Iowa State University

Feedlot Monitor

V3

Documentation

Table of Contents

READ THIS FIRST

- *Suggestion*   Install a "pdf" reader and MS Excel on your computer to allow full use of the Feedlot Monitor.

- When providing inputs **do not use** characters such as: "", :, ;, *, ' , / or \ since they are reserved for file utilities.

- Dates are to be formatted as the following: *mm/dd/yyyy* . It may be that your computer is set up in a *"dd/mm/yyyy"* format, as is the case in Mexico. If this is the case, you will need to reset this setting through your Windows Control Panel-Regional + Language Settings.

- Date entry can be done as follows, for instance MARCH 4, 2014 can be entered as: *3 4 14 {ENTER}* this will format the date properly as 03/04/2014 and speed up entry.

- Old Windows versions of the Feedlot Monitor data can be formatted to the new version. See page 12 of this document on how this is done.

- If the program screens do not show up completely on your monitor increase the monitor resolution by "right clicking" the desk top and choose "screen resolution" or "properties" then "display".

To speed things up in using this program-

Concentrate first on the Facility, Feed, and Feeding-Lot areas indicated in the Table of Contents.

Editing Records

Menu bar

Record Numbers for edits

Record Editing Basic Steps

1. View the Data as the example to the left shows.

2. Select UPDATE from menu bar.

3. On the Pop-Up that opens, type in the record number of the record in error.

4. Provide correct data.

5. Save.

6. The old record will be over written with correct data.

Excel Set Up

The Feedlot Monitor does not require that you have MS Excel installed on your computer for the Feedlot Monitor to function, but it can be a handy edition since data from the program can be printed to an Excel sheet or input data can be entered via the Excel templates provided with your program. If you do wish to use the Excel utilities, the standard Excel installation will need to be customized in the Security and Add In areas as follows.

Version 2003 or earlier

Security

From the Excel Menu select TOOLS – MACROS – Security.
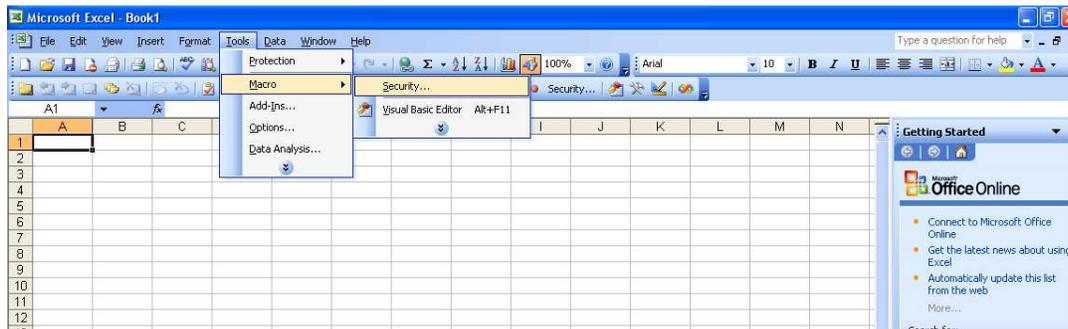
Then with the pop-up box select LOW or medium. (I usually select LOW or else I will still need to give Excel permission to run the code each time I run the program.) Note that the pop-up box also has two tabs. The first one that shows is the SECURITIES and this is where you select the security level. The other tab is called TRUSTED PUBLISHERS. On this tab be sure to check the TRUST ACCESS TO VBA PROJECT box.
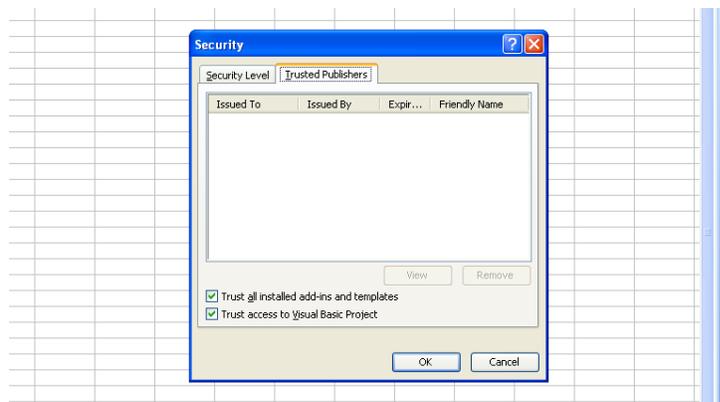
Add-Ins

From the Excel Menu select TOOLS – ADD-INS. Then with the pop-up box select be sure to check ANALYSIS PAK, and ANALYSIS PAK VBA then select the OK button.   Close Excel and the program is ready for full use.
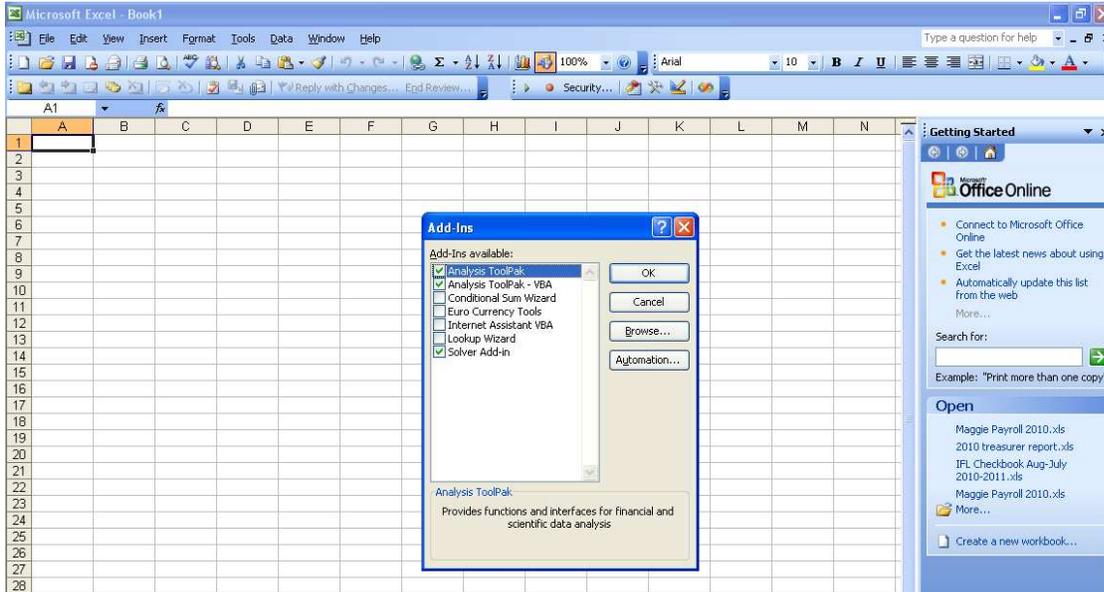
Version 2007

Security

Select the MS Office Button on top and then select EXCEL OPTIONS.
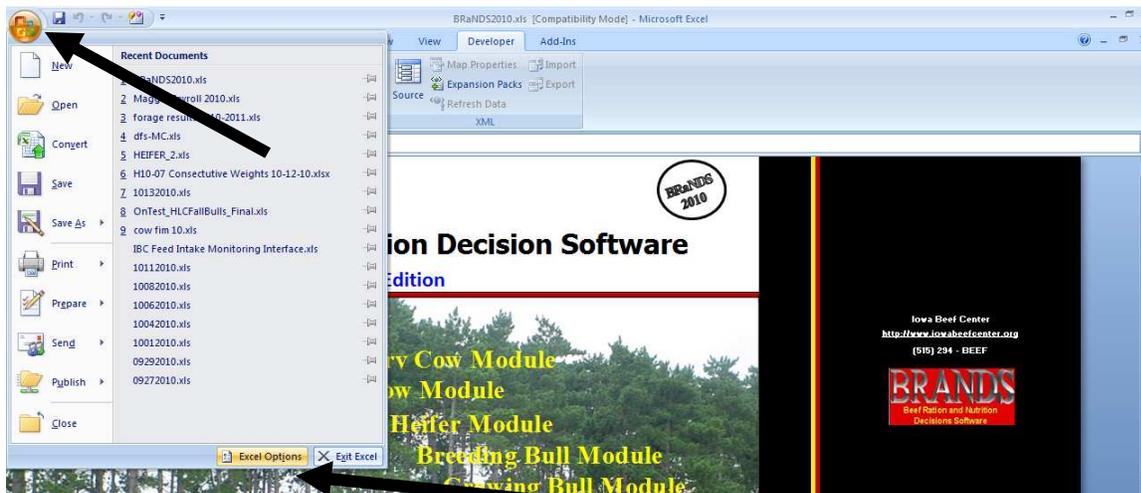
Select the TRUST CENTER item from the side menu followed by the TRUST CENTER SETTINGS button.
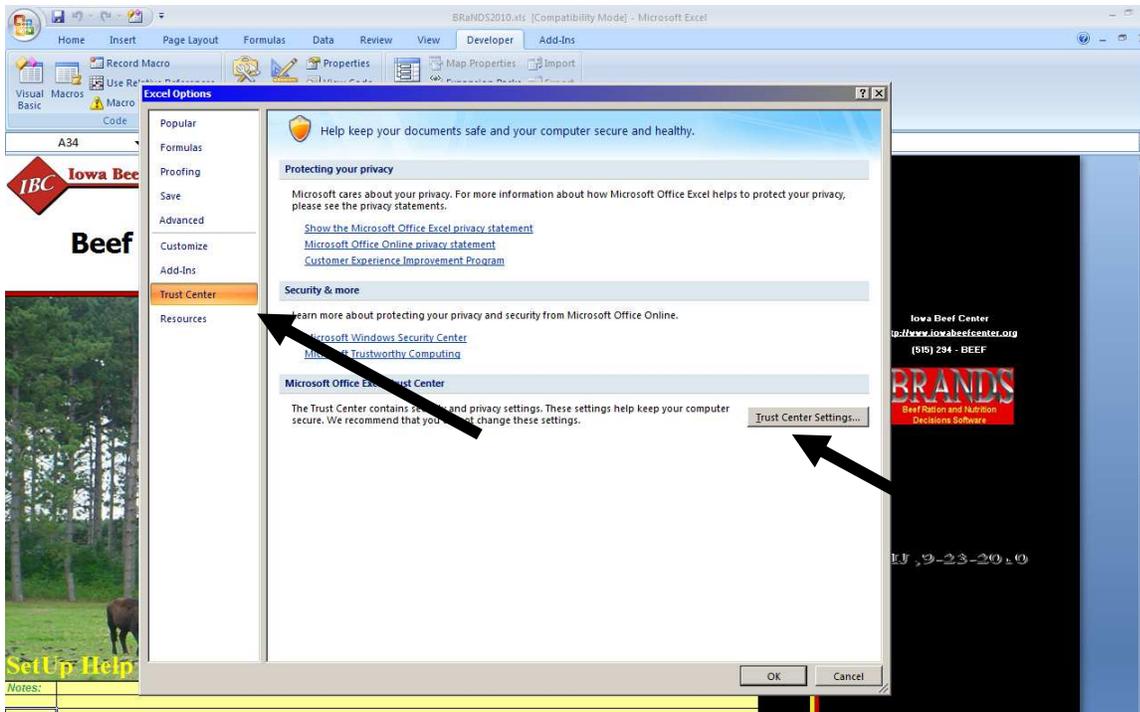
Select the MACRO SETTINGS button from the new side menu. In the pop-up box check the "Enable All Macros…" option and check the "Trust Access to the VBA Project…". Select the OK buttons to move on.
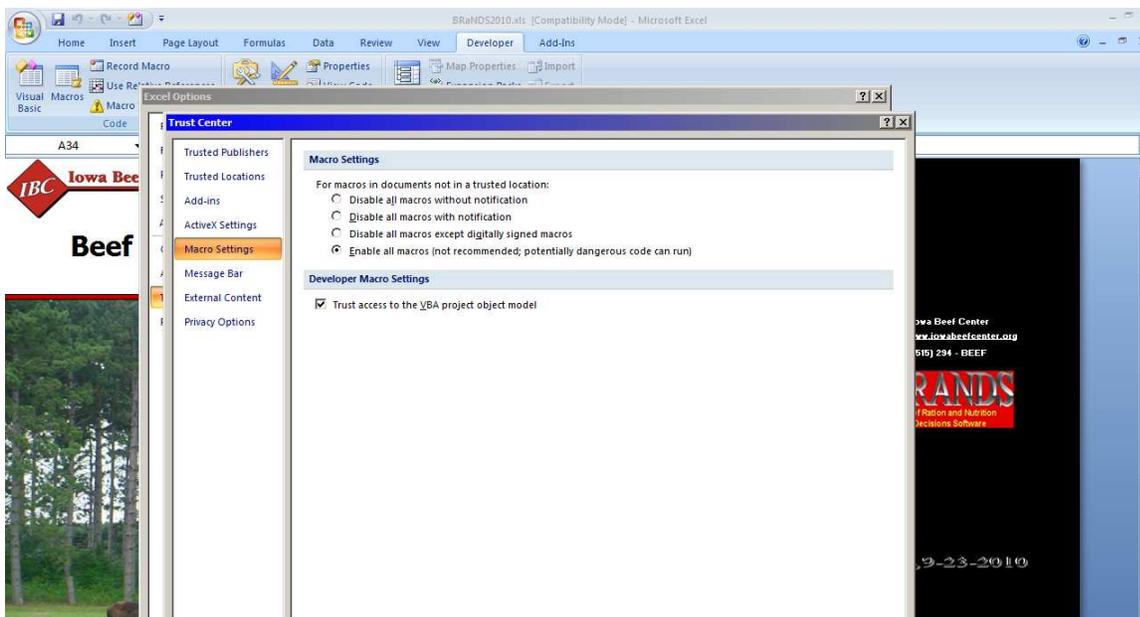
Add-Ins

Select the MS Office Button on top and then select EXCEL OPTIONS.
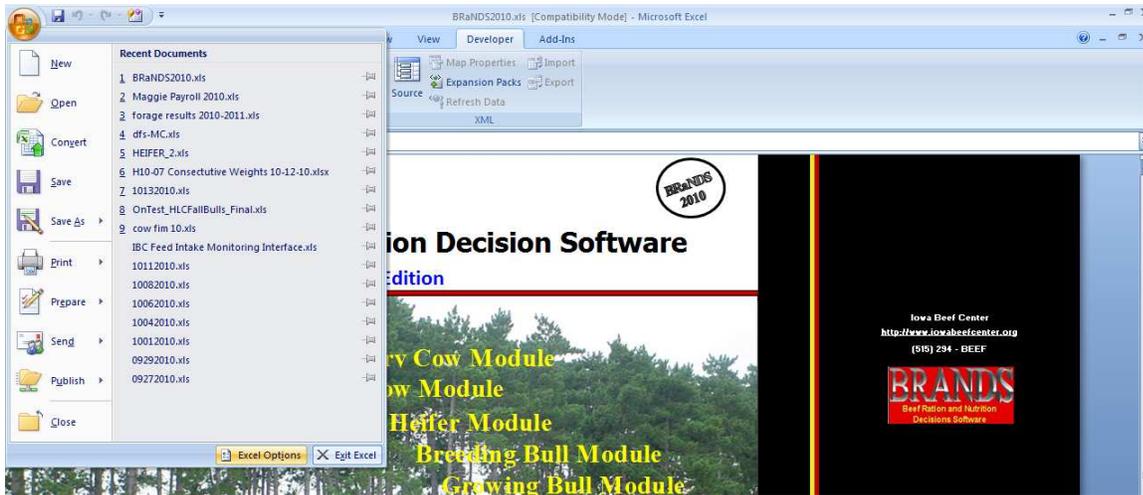
Select the ADD-INS side menu item. Be sure that the ANALYSIS PAK, and ANALYSIS PAK VBA are in the Active application Add-Ins area. If they are not, select each of these from the Inactive area below and then select the GO button to activate these items.
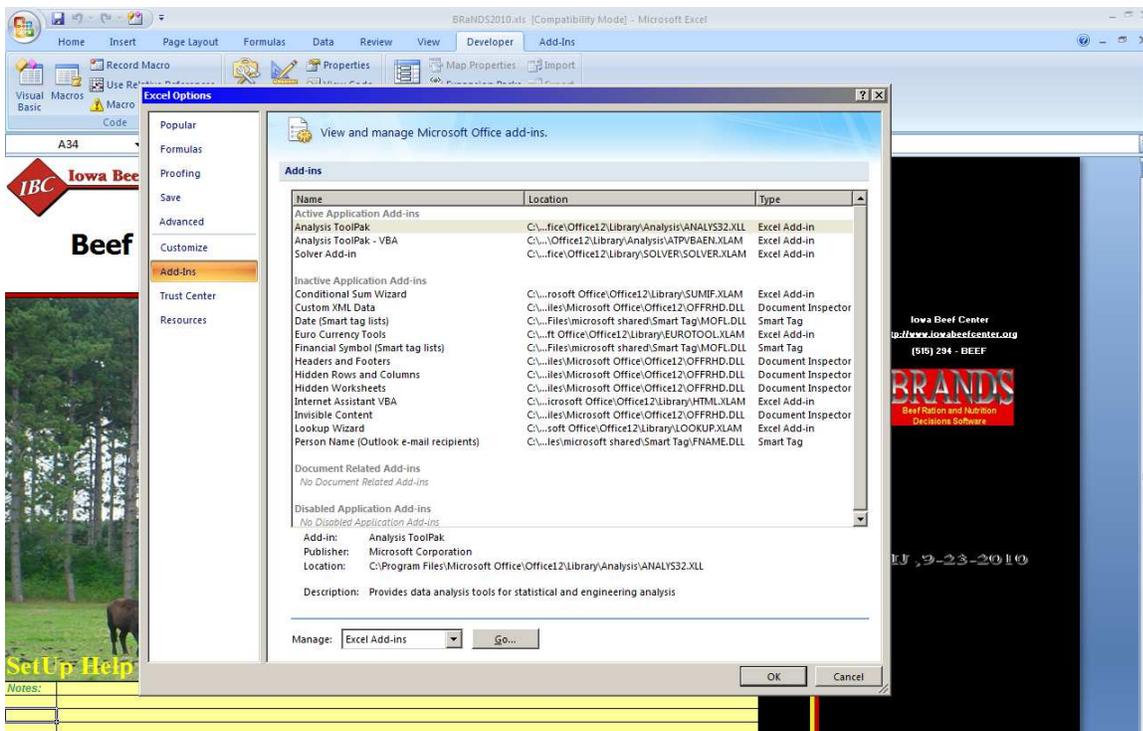
Version Excel 2010, 2013 +

Security

From the menu bar select FILE and then select OPTIONS from the side menu bar.
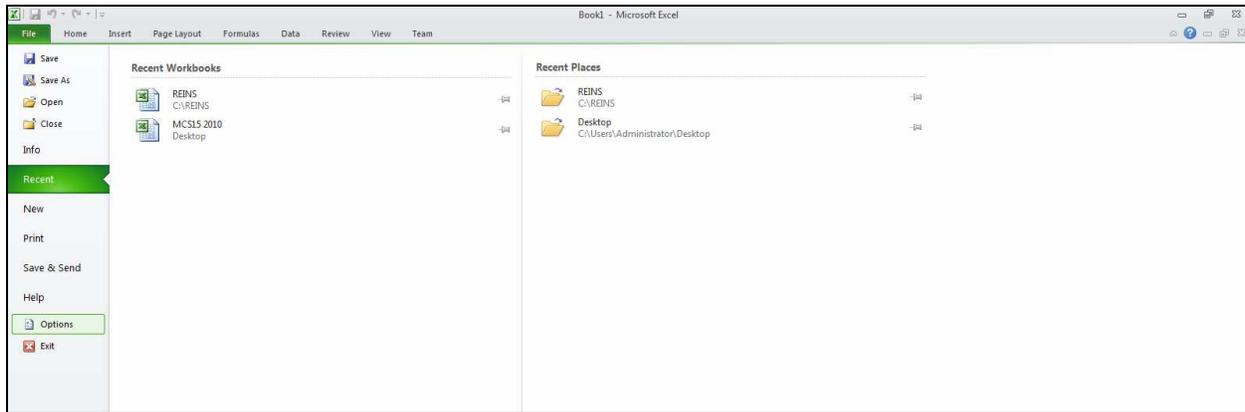
Select TRUST CENTER followed by TRUST CENTER SETTINGS.
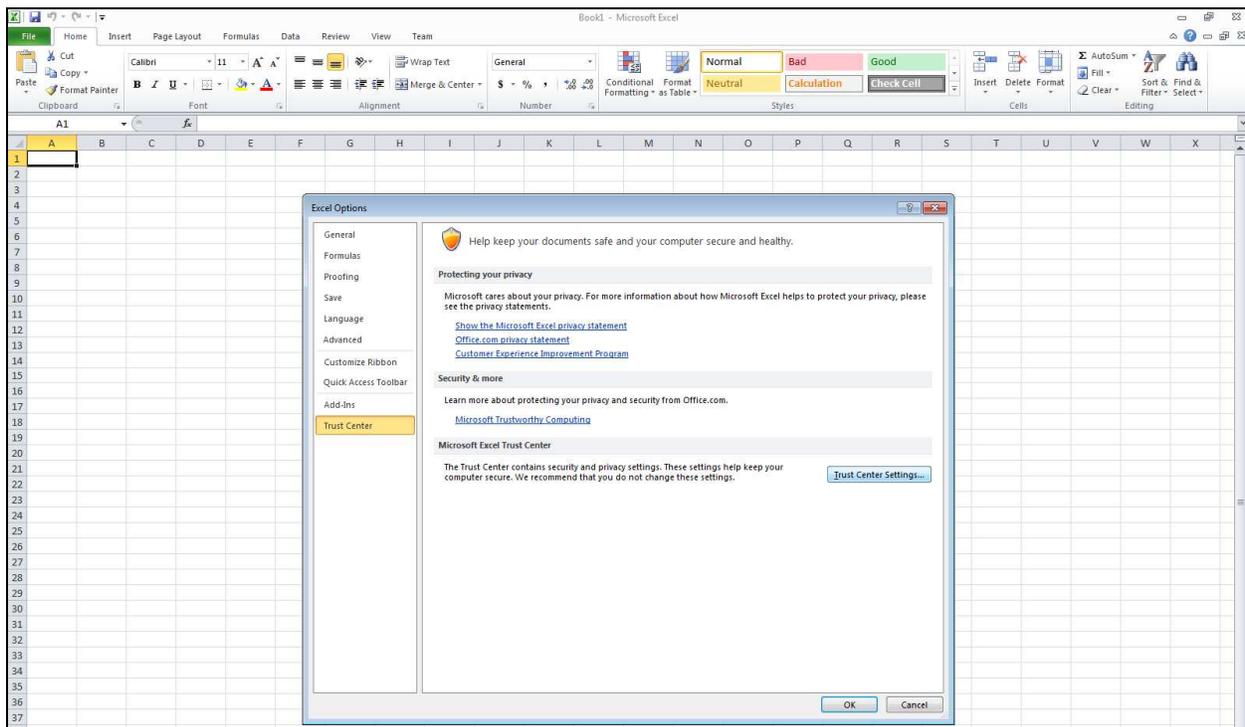
Select the MACRO SETTINGS button from the new side menu. In the pop-up box check the "Enable All Macros…" option and check the "Trust Access to the VBA Project…". Select the OK buttons to move on.
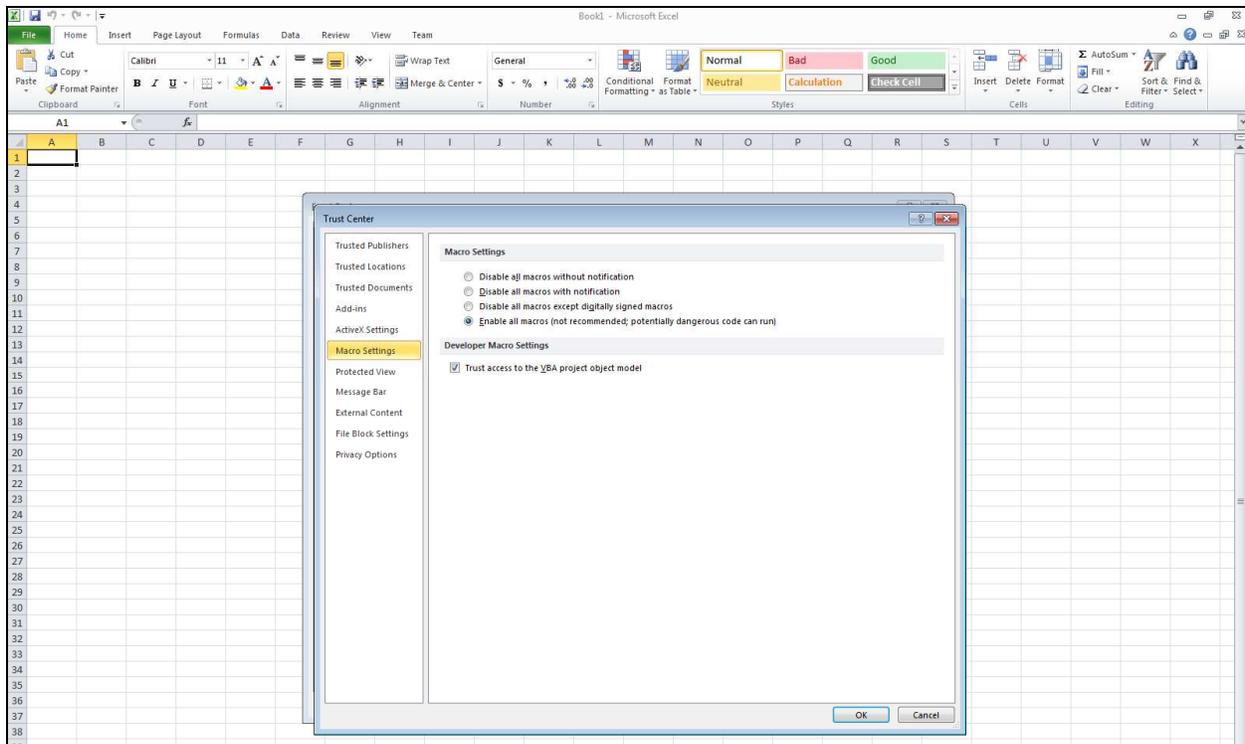
Add-Ins

From the menu bar select FILE and then select OPTIONS from the side menu bar.

Select the ADD-INS side menu item. Be sure that the ANALYSIS PAK, and ANALYSIS PAK VBA are in the Active application Add-Ins area. If they are not, select each of these from the Inactive area below and then select the GO button to activate these items.

Old Feedlot Monitor Version Conversion

Preliminary Steps

If you are currently using the older Windows version of the Feedlot Monitor your data files can be converted into the new program format quit easily. If you think you would like to convert old files to the new format:

1. Before doing anything, run your old Feedlot Monitor (ISU.EXE file) and go to the SET UP – LOTS – VIEW/CHANGE area and look through all of your old files to make sure that none of the lot names have a "/" or "\" character present. If these characters appear in the name, change the name. Do this from the Lot screen's menu bar by selecting CORRECT – LOT ID.

2. Install the new program into the same directory that your old program is installed. The default directory is still "C:\ISUBEEF". If you have other directories with this program, install the new program into each of these other directories.

3. Make a backup of all your old data. The simplest way to do this is to take a flash drive and copy the entire ISUBEEF directory (or whatever directory that you use) to this flash drive. Be sure to label this in order that you do not get your data mixed up.

4. Run the Feedlot Monitor Translation program before you start using the new program and entering new data. After running it you may want to delete it from your Program Start menu in order that you do not accidently run it again since it could corrupt new data. (Right Click the icon used to start the program and then select DELETE from the drop down menu that appears.)

Run the Feedlot Monitor Translator

1. From Windows Program Menu select the Feedlot Monitoring program and then the Version Translator. The Version Translator will appear.

2. Select the "Convert Version Button" and the process will happen quickly.

3. Quit the Translator program.

NOTE that this procedure should only be done once. The Translator program should not be ran after the translation occurs. If you need assistance with this, contact the Iowa Beef Center.

NOTE that some data files will not be translated. These include:

       a. Old environmental data

       b. Old processing and medical treatment details

       c. Old cause of death and disease lists

       d. Old custom printout formats
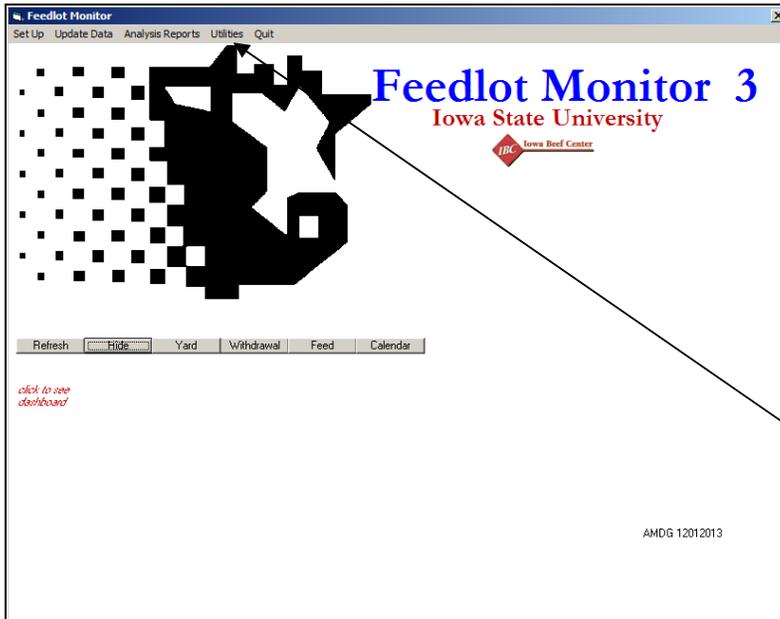
Translator Program Select
UTILITIES – VERSION
CONVERTER

4. Once the translation process occurs a couple of items will need to be addressed. For starters, go to the SET UP portion of the program and be sure that the user defined lists such as Facilities, Lots, Investors, Rations, Feeds and Contact Information have all transferred correctly. In particular look at the following:

   a. Feed Library / Feed Analysis

      i. Bring up each feed and update the nutrient analysis by indicating the nonfiber carbohydrate value (NFC) in place of the "% Concentrate".

ii. Access Feed Inventory and check / update pricing (see Feed Inventory for details)

b. Investors

i. Review Investor names in the Settings area. Remove duplicate names from list.

ii. Review Feeding-Lots with investor involvement in the Cattle Buy/Sell area. View cattle entry records and choose to "update" these records. This will allow you to review the investors associated with each Feeding-Lot.

c. Feeding-Lots

i. Bring up each lot and check to make sure data is correct. The interest rate on borrowed money can be applied at this point as well.

ii. Review each cattle purchase transaction to be sure that the investor information is up to date and correct on custom fed cattle.

Home Page

Dashboards

A – Program Menu

- o SETUP – indicate user defined items like costs, facilities, lots, feedstuffs, sale outlets, investors, treatment and health protocols

- o UPDATE DATA–add routine data .

- o ANALYSIS REPORTS – view summaries, itemized records, edit and delete records.

- o UTILITIES – file archive, backup, cleanup and export

B – Hide Dashboard Button

- • Hides the currently displayed dashboard

C – Dashboard Buttons

- Display yard report, withdrawal (drug) report, feed inventory report and calendar

- Each dashboard display can be printed to paper if desired by selecting the PRINT button.

Yard Dashboard

Count - number of Feeding-Lots currently active in program.

Facility - current or last facility the Feeding-Lot occupied.

Feeding-Lot - the management group or pen of cattle that is grouped and fed together.

Management - indicates if the group is being fed conventionally, naturally, organically, etc.

Last Rec. - date of last feeding period recorded on groups.

Cur.Head - current number of head in Feeding-Lot.

DoF - days on feed.

Cur.Wt - is current average weight of cattle in lot.

Cur.ADG - is last feeding period's average daily gain.

Cum.ADG – is the cumulative average daily gain. Adds (ADG x headdays) for each period and divides by total headdays

DMR - last feeding period's dry matter intake divided by current weight indicated as a percent.

Ration - last ration fed to the Feeding-Lot.

Breakeven - current breakeven value for the Feeding-Lot.

Hd.Sold - head sold out of Feeding-Lot.

Hd. Started - head started in Feeding-Lot.

Gender - s-steer, h-heifer, b-bulls, m-mixed genders.

PayWt In - is the average starting pay weight of cattle in Feeding-Lot.

$/lb - purchase cost/value of cattle started in this Feeding-Lot.

Cur.DMI - last feeding period's dry matter intake for Feeding-Lot.

Avg.DMI - average dry matter intake for Feeding-Lot from it's start.

Treatments - number of treatments/pulls recorded on Feeding-Lot.

Withdrawal Dashboard

Facility - current or last facility the treated animal occupied.

Feeding-**Lot** - the management group or pen the treated animal occupies.

Tag - visual feedlot tag of animal treated (color, letter, number).

E-ID Tag - electronic ear tag number.

Hosptl.Tag - hospital tag of treated animal.

Retreat Date - date the next treatment is to be given.

Trt.**Date** - date the treatment was administered.

Disease - the disease condition that brought on the treatment.

Feed Inventory Dashboard

Feed - feedstuffs names recorded in program.

Lbs/unit - pounds per unit. The unit would be the quantity the feed in inventoried as (pounds, bushels, tons, cwt).

DM% - last recorded dry matter value on feed.

$/unit - recorded inventory value per unit.

Last $ Update - date that the last cost transaction was recorded.

Inventory Units - number of units of the feed that are currently in inventory if the user chooses to keep inventory statistics.

Calendar Dashboard

Feeding-*Lot* - the management group or pen involved.

Date -day to perform event.

Item - the task to accomplish.

Calendar Range (+/-) __ Days- a setting that displays an event list a designated number of days before and after the current date.

Home Page

Set Up Area
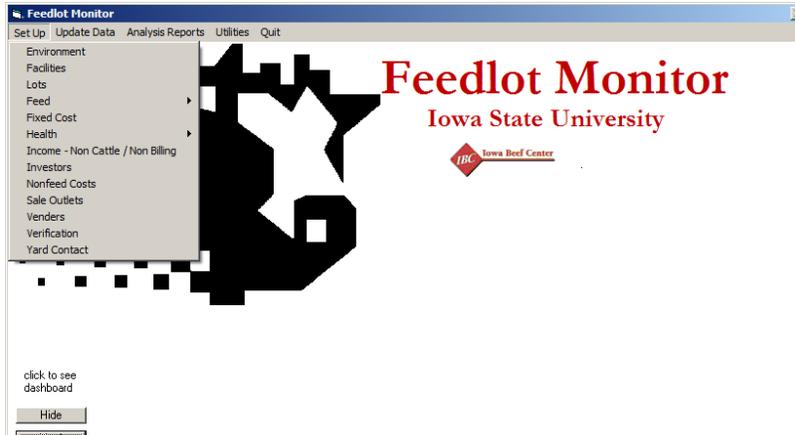
The Set Up area should be accessed prior to providing the routine feeding period data. These settings can be updated at anytime, but generally will not need much attention once initially recorded. When you first begin running your Feedlot Monitor you will want to go to this area and complete the following:

1. **Environment** provides a place to indicate your normal average local monthly weather temperatures, rain fall and wind speeds (optional).

2. **Facilities** provide a place to identify your facilities that will house the Feeding-Lots of cattle (not optional).

3. **Lots** is where you identify the groups of cattle managed together -(not optional).

4. **Feed** is where you identify the feedstuffs used and rations provided (not optional).

5. **Fixed Costs** is where the big picture of facility fixed costs can be indicated (optional area).

6. **Health** is where you identify the health treatments, drug inventory and processing protocols that are used routinely (optional).

7. **Income** allows other sources of income besides cattle to be identified that you will track on the Feeding-Lots (optional unless there are other income sources besides cattle being tracked on Feeding-Lots).

8. **Nonfeed** variable **costs** that you will track on the Feeding-Lots are to be indicated here (not optional).

9. **Investor** is where you provide names of investors who have placed animals in your feedyard (not optional if custom feeding cattle).

10. **Sale Outlet** is where you may identify the sale outlets typically used for marketing animals, etc (optional).

11. **Vender** is where you provide names of venders where cattle are purchased from for your feedyard (optional).

12. **Verification** is where you may provide names of animal / market program verifiers that apply to cattle on feed (optional).

13. Provide your feedyard **contact** information here (optional).

Home Page

Update Data Area
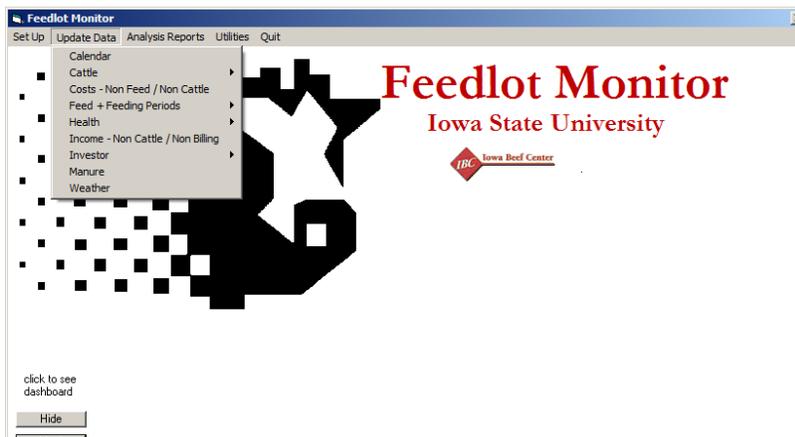
The Update / Data area is generally for routine data entry on feed or drug inventories, Feeding-Lot cattle movements, cost accumulation, income recognition, feed delivery and investor transactions.

1. **Calendar** allows for the loading additional information into the Dashboard Calendar.

2. **Cattle** allow for recording routine cattle movements into and out of Feeding-Lots both as groups and as individual ear tags.

3. **Costs- Nonfeed / Non cattle** allows for the routine costs accrued besides feed, cattle and health on a Feeding-Lot to be recorded.

4. **Feed+Feeding Period** is where feed inventory can be updated or corrected and the routine feeding periods recorded or edited.

5. **Health** is where processing and treatment events along with drug inventory can be indicated or edited.

6. **Income** is where non cattle income can be indicated if any is realized.

7. **Investor** is where all the transactions regarding the custom feeding of cattle can be indicated.

8. **Manure** is where manure removal from yards or basins can be indicated along with the ability to generate Iowa DNR / EPA reporting sheets.

9. **Weather** is where routine actual weather data can be recorded.

Home Page

Analysis Reports Area
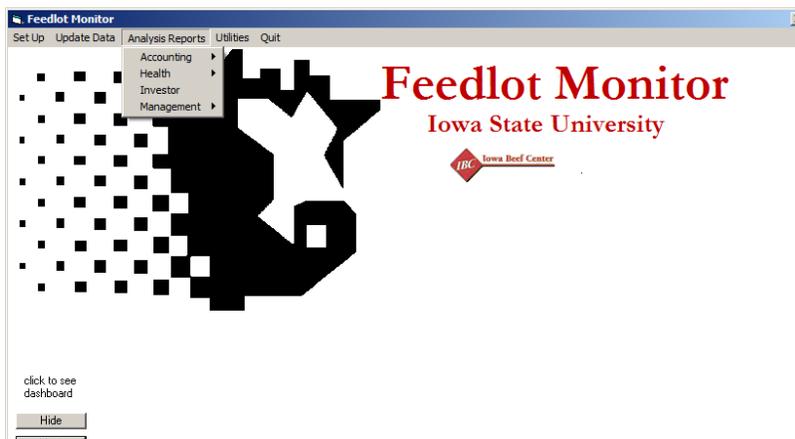
The Analysis Reports area is primarily for viewing summary information and providing a route to edit existing records.

1. **Accounting** allows access to the individual cost and income records for summary or editing.

2. **Health** provides access to the health report summaries and individual records for viewing or editing.

3. **Investor** provides access to investor transaction data and summaries.

4. **Management** provides access to feeding period data, closeouts and add-on data entry involving feeding periods.

Home Page

Utilities Area
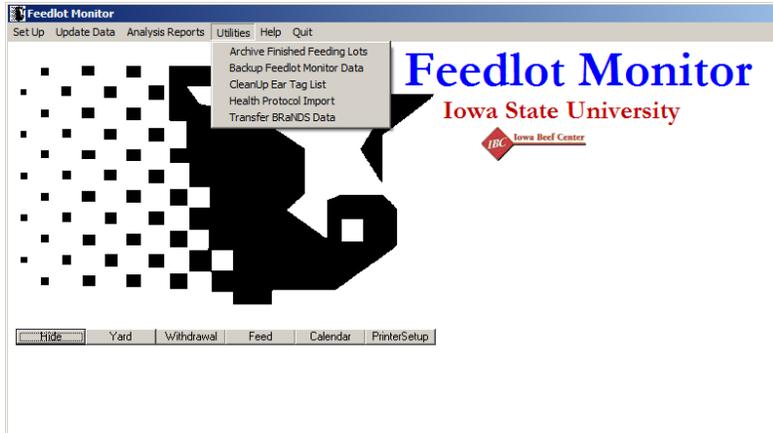
The Utilities area is primarily for viewing summary information and providing a route to edit existing records.

1. **Archive / Unarchive** use to archive finished feeding lots or retrieve these for later review.

2. **Backup Feedlot Monitor Data** provides area to backup or retrieve data files.

3. **Cleanup Eartag Data** provides an area to remove ear tags in system from individually monitored animals.

4. **Health Protocol Import** – health treatment protocols, drug libraries or processing protocols can be imported from another Feedlot Monitor user's files or from the Feedlot Monitor Health Module.

5. **Transfer BRaNDS Data** – Rations developed with the BRaNDS program can be imported into the Feedlot Monitor here. Feed libraries can be interchanged between BRaNDS and the Feedlot Monitor as well in this area.

Facilities

Explanation: *Priority*   Indicate facility data before entering Feeding-Lot data. Facilities are areas that hold animals and remain in place while groups of cattle move in and move out. This area also includes manure storage structures and run off basins. You may designate the facility as you wish but if a number of pens are designated as a facility, be sure that these pens are similar in the environment they provide to livestock. Facility names are used for sorting lots for reports and with environment data to assist in calculating the maintenance requirement of the animal. Manure storage/run off structure reporting also use these as references.

Navigation: SET UP – FACILITIES

To Provide Data:

There are 2 ways data may be provided in this area; one facility at a time or with the Excel input sheet up-to 25 facilities at one time may be entered.

Single Facility Entry

1. Go to the SET UP – FACILITIES area of program.

2. From the Facilities screen menu choose NEW and then provide the data.

3. When the data on a facility is provided select SAVE from the same menu and the facility should appear on the list at the bottom of the screen.

Multiple Facility Entry

1. Go to the SET UP – FACILITIES area of program.

2. From the Facilities screen menu choose INPUT SHEET - EXCEL.

3. When the Excel sheet appears type the name, facility type, bunk length and square footage in the appropriate column.

4. Select the SAVE (steer head) button on the Excel spreadsheet to save the data to the Feedlot Monitor and close the spreadsheet.

5. If everything worked you should see the facility names on the facility list of the Facility screen now.

Facility Screen used to enter each facility one at a time.

The top 4 option buttons designate cattle holding areas and can also be considered as both cattle areas + manure storage for record keeping.

The bottom 3 buttons designate manure management areas. Set these up as well if you need to provide manure containment reports.

Excel Template used to enter up to 25 facilities at a time.

Note that if you use this template and name a facility that is already in the database, the SAVE routine will update the existing record with the same facility name.

To Update or Edit Data:

1. Go to the SET UP – FACILITIES area of program.

2. From the Facilities screen select the facility from the list at the bottom of the screen that needs attention (*click with mouse and the existing data on facility should load automatically*).

3. Make corrections and select SAVE from menu.

To Delete a Facility:

1. Go to the SET UP – FACILITIES area of program.

2. From the Facilities screen select the facility from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data on facility should load automatically*).

3. Select DELETE from the facility menu bar.

Inputs on Facility Screen

Record Number - Value used by the program to identify selected facility for updating or correcting associated data. This value appears when the facility is selected from the list. This will not appear when adding a new facility.

Facility Name - User defined name given to the facility. Limit length to 12 spaces.

Type - Facility structure type. Click the appropriate option. "Open" - yard or field no building or windbreak, "Shelter" - access to a building or cover for protection from weather, "Windbreak" - open yard or field with wind protection, "Confinement" - pens contained in a building, "Runoff Basin - manure runoff area (not holding cattle in itself), Manure Pit - a pit under a building or elsewhere for holding liquid manure (not holding cattle in itself) and Manure-Solid - a stock pile area for holding solid manure (not holding cattle in itself).

NOTE a facility holding both cattle and manure like a pen or pit barn should be entered as a cattle facility in terms or **Type**.

Notes - A note can be provided on the facility for your own information.

Total Bunk Feet - (provide number) Total linear feet of bunk provided in the facility. (optional input)

Total Pen Square Feet - (provide number)   Area of the facility / pen in total square feet. (optional input)

Facility Yardage Charge $/hd/d - the yardage charge that you place on a facility per head per day can be mentioned here and it will travel along with the specific facility. It is solely up to the user what this charge is or if it will be indicated here.

Menu Items on Facility Screen

New - Select this item prior to inputting a new facility.

Save - Select this item after providing data on a new facility or after updating data on a facility that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – paper - Allows a paper input sheet to be printed out. This sheet can be filled out and used as a guide for data input.

Input Sheet – Excel - Allows a preformatted Excel spreadsheet to open which the input data can be pasted or typed to for saving into the data base.

Delete - After an item from the list is selected, this will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected will exit and close the current screen.

*Notes – new version / old version conversion

Yardage, Bunk feet and square footage are new outputs/inputs in the updated Feedlot Monitor and should be addressed if the Version Converter s used.

Facilities

Facility Reports

Yard Report

Explanation: The Yard Report provides a dashboard report on the Home Page summarizing the current Feeding-Lots of cattle on feed by facility.

1. Home Page

2. Select YARD button (this report can be printed by selecting the PRINT button at this time).

   NOTE see for Dash Board Yard Report descriptions.

Facility Report

Explanation: The Facility Report provides a quick summary of the current lots on feed by facility. Only Feeding-Lots with cattle present are displayed on the Facility Report. The Facility name is given and the Feeding-Lots occupying this facility are listed.

1. Go to REPORTS – MANAGEMENT - FACILITY.

2. A specific facility can be summarized by selecting the facility's name and then the SUMMARY menu item or all facilities can be viewed if no specific facility is selected prior to selecting SUMMARY.

Example

Facility

Feeding Lots (pens with the Facility in this case).

Summary Data on all pens/Feeding Lots in facility

Outputs

Count - Counter indicating number of Feeding-Lots in a facility.

Facility - Facility Feeding-Lot is listed in.

Feeding-Lot - Name of management group cattle are identified to belong to for feeding.

Management - Type of feeding program the cattle are on (natural, conventional, back grounding, etc).

Last Rec. - Date o the last recorded feeding period.

DoF - Total days on feed as of the last recorded feeding period.

Wt - Average live weight of cattle at the end of the last recorded feeding period.

DMR - Percent of dry matter intake relative to body weight that the cattle are consuming.

Breakeven - Breakeven value of the cattle at the end of the last recorded feeding period.

AFI - Last feeding period as fed feed intake per head per day.

DMI - Last feeding period dry matter intake per head per day.

Head - Current head count in lot as of the last recorded feeding period.

Bunk ft/ Hd - Total linear bunk space divided by total head listed currently in facility.

Pen ft^2 / Hd - Total square footage of facility divided by total head listed currently in facility.

Trouble Shooting

Note that any error that you encounter on this report can probably be fixed in the Feeding Period/ Feed accounting area or itemized accounts that are mentioned in the Cost section of this documentation.

Lots & Cattle

Explanation: *Priority*   Cattle are managed as groups within the program. This group is a Feeding Lot. Each Feeding Lot can be comprised of one or more loads of cattle and each load of cattle can have zero to many investors.   This translates into three potential data files.

Although the cattle are housed/ fed as groups, you can maintain individual data on animals within the group. The program refers to this as "Ear tags" or "tag data". This will allow individual tracking for investor cattle or developing breeding stock to be better handled with the program.

Overview – Feeding-Lots

The Feedlot Monitor works with the Feeding-Lot or group all feeding period data, billing invoices, sale data and animal movement data reference this Lot-Feeding Group. A number of Lot-Feeding Groups may originate from a single Lot-Purchase Group and this information can be indicated when Feeding-Lot groups are added. The Feeding-Lot group is made up of individual animals and if necessary, the program will allow the individual animals in this feeding group to be monitored as well by ear tag.   As a visual, consider the following:

Purchase-Lot A → Feeding-Lot group 1 → Tag 3 Tag 4
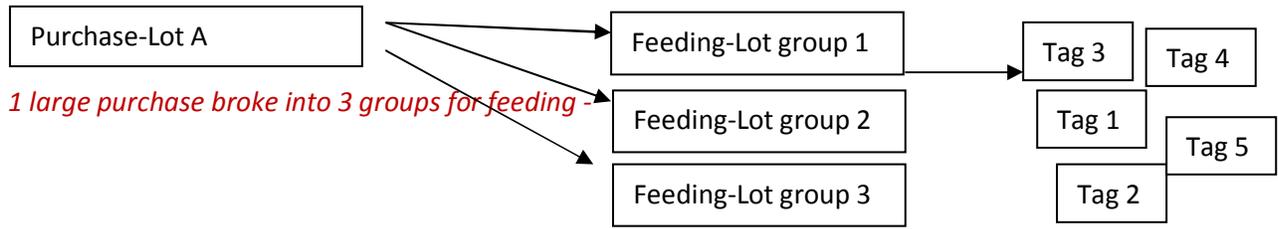
1 large purchase broke into 3 groups for feeding - Feeding-Lot group 2

Tag 1

Tag 5

Feeding-Lot group 3

Tag 2

Individual animals (tags) monitored within Feeding-Lot
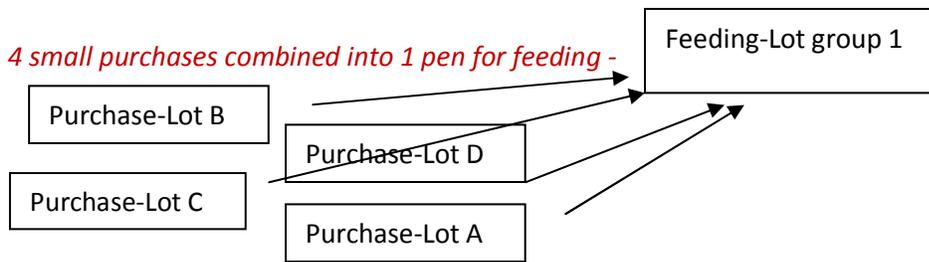
4 small purchases combined into 1 pen for feeding -

Feeding-Lot group 1

Purchase-Lot B

Purchase-Lot D

Purchase-Lot C

Purchase-Lot A

Animals monitored as a single group -

Each Feeding-Lot is entered separately from other Feeding-Lots, but when entered we can indicate the Purchase-Lot name to connect all of the Lot-Groups for later analysis. As we work with the program we will treat each Feeding -Lot as the unit of focus for inputs, outputs and billing, but we can then summarize the initial Purchase-Lot in the Closeout Report if more than one Feeding -Lot is formed from an initial purchase-lot.

Lots & Cattle

Identify Feeding-Lots   (step 1)

Navigation: SET UP - LOTS

To Add a Lot:

NOTE: before identifying lots, facility data must be entered.

1. Go to the SET UP – LOT –ADD-VIEW-EDIT area and the Feeding-Lots screen will appear.

2. Select NEW from the menu and provide a unique name for the Feeding-Lot. Limit to 12 spaces.

3. Fill in the remaining inputs that have relevance for this lot.

4. Select SAVE from the menu and the lot is saved and should appear on the list in upper right-hand corner.

To Editing or Update Existing Feeding-Lot Information:

1.   Select the Lot from the list that you need to edit.

2. Type in or over the old input with the correct data.

3. Select SAVE from the menu.

To Delete a Feeding-Lot

1. Select the Lot from the list that you need to delete.

2. Select DELETE from the menu.

    NOTE that all associated records with this deleted Feeding-Lot will also be deleted as well.

Feeding Lots

New Save Edit Input Sheets Delete Cattle-Data Help Quit

Record Number — 3

Lot -feeding group — 1266

Wt. @ 50% Choice — 1320

Date Started — 07/08/2013

Interest-cattle (%) — 3.5

Interest-other (%) — 3.5

Management — Conventional

Health Risk — Low

Body Condition Score — 7

Breed — beef

Age — yearling

Facility — home pens

- O Calculate feed bills on individual tags (cattle)
- O Calculate feed bills as percent of whole lot

[?]   [date]

1299
1292
1266
1277
1233
12030
1301

Head Started	272
Steers	0
Heifers/Cows	272
Bulls	0
Pay Wt.	245072
Shrunk Wt.	245072
% Shrunk	0.00
Wt./Head	901.00
$	291934.9
$/Head	1073.29

Ultrasound (optional) Avg.+ Std.Dev.

*Weight @ Measure — 0 / 80

*Rib Eye Area — 0 / 0

*Rib Fat — 0 / 0

*Intramuscular Fat — 0 / 0

*Date Measured —

*Note —

Check if you record individual ear tag data or need to keep specific animals in a specific investor's account

Output will show after cattle are added to inventory (step 2)

Optional ultrasound data that can be used for projections if present. Otherwise, ignore this area.

Buttons on Feeding-Lot Screen

O Calculate feed bills based on individual tags (cattle)

O Calculate feed bills as a percent of whole lot
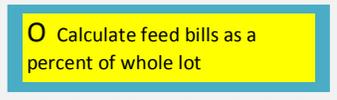
If production costs on fed animals are to be billed or data maintained on individual animals (ear tags) in the Feeding-Lot, check the yellow option button that says, "Calculate feed bills based on individual tags".   If the lot is managed as a group without regard to individual cattle records and if owned with investors who break ownership up on a percentage rather than specific animals check the option button that says, "Calculate feed bills as a percent of the whole lot".

Date

Date button will open a calendar that the starting date may be selected.

This button will bring up a help screen that can be used to calculate the probable Weight at 50% Choice (see example below).   The example below is the Weight at 50% Choice for cattle started in the feedlot as yearlings, given a strong implant, combination (androgen/estrogen) implant. The gender of these animals was designated as steers and the frame size of these steers was a "6" on a 1 to 9 scale. When the HIDE button is selected the Weight at 50% Choice is transferred back to the Feeding-Lots screen.

Probable Weight at 50% Choice

Age:	2	(1 = calf, 2 = yearling, 3 = long yearling, 4 = mature)
Implant type:	4	(1 = none, 2 = estrogen, 3 = androgen, 4 = combination)
Frame size:	5	(1 - 9 system, 1 = 1, 2 = 2, 3 = 3, ...)
Gender:	1	(1 = steer, 2 = heifer, 3 = bull, 4 = cow, 5 = mature bull)
Breed Type:	1	(1 =beef, 2 =dual purpose, 3 =dairy, 4 =BrahmaXI)
Probable weight @ 50% choice (lbs):	1250	Hide

Inputs

Record Number - This value appears when a lot is selected and is used when editing an already entered lot. The user does not need to use this input.

Lot-feeding group - Supply the name of the Feeding-Lot here. Give each Lot a unique name and it may be wise to put a date after the name in order to aid in identification, for instance steer9-2012. Do not use any characters such as; ",',/,\, @,.,$ in the name. Limit name to 12 spaces.

Wt. @ 50% Choice - Supply the estimated live, empty weight when one half of the cattle in the Lot will grade "Choice" or above. Use the "?" button to assist in the estimation.

Date Started – This is the date the Feeding-Lot was started on feed. Format dates as "mm/dd/yyyy".

Interest-cattle – A simple, annual percentage interest rate can be applied to the purchase value of the cattle in the Feeding-Lot.

Interest-other – A simple, annual percentage interest rate can be applied to the value of the inputs provided to the cattle in the Feeding-Lot.

Management – This indicates how the cattle in the Feeding-Lot are to be managed in terms of being managed for natural, conventional, organic or replacement heifer markets, etc. the designation may be selected from the drop down list.

Health Risk – Select from the drop down list whether these animals would be a low, medium or high health risk. An example of "high" risk would be newly weaned calves, or unvaccinated comingled cattle, an example of "medium" risk would be vaccinated calves or yearlings of unknown background. "Low" risk would be older animals that appear healthy or well backgrounded yearlings.

Body Condition Score – Indicate the incoming body condition score of the animals started on feed using the 1 to 9 point system. "1" - skinny, "5" - normal, "9" - fat.

Breed – Select from the drop down list the general breed type.

Age - Select from the drop down list the age the animals are when placed in the feedyard.

Facility - Select from the drop down list the feedyard's facility the animals are placed. The names for the facilities must be indicated in the Set Up – Facilities area before entering lot information.

NOTE that the following inputs are optional. They are used when provided to project carcass weights and rib fat on the animals being fed.

Weight @ Measure - Indicate the average weight of the cattle at the time of ultrasound in the left hand input box and the standard deviation of the weights in the right hand input box.

Ribeye Area - Indicate the average ribeye area in square inches of the cattle at the time of ultrasound in the left hand input box and the standard deviation of the ribeyes in the right hand input box.

Rib Fat - Indicate the average back fat in inches of the cattle at the time of ultrasound in the left hand input box and the standard deviation of the fat in the right hand input box.

Intramuscular Fat - Indicate the average percent intramuscular fat (IMF) of the cattle at the time of ultrasound in the left hand input box and the standard deviation of the IMF in the right hand input box.

Date Measured - Indicate the date of ultrasound.

Notes – User notes on lot.

Menu Items

New – Select this item before entering a new Feeding-Lot to program.

Save – Select this item after providing data for a new Feeding-Lot or after making changes to one already entered

Edit – To edit, select the Lot from the list and then type in correct values over the top of the existing values. Select SAVE from menu when done.

Delete – To delete, select the Feeding-Lot from the list and then select **Delete**. Deleting the Feeding-Lot will delete all associated feed, cost, health and income records caused by this Feeding-Lot as well. There is no recovery so be careful of which lots you delete.

Cattle-Data – Select this item to list purchase entries for cattle entering the selected Lot. By going here, animal numbers, weights, purchase costs and ear tags can be indicated. Investor ownership of cattle also can be mentioned.

Help – Select this item to access this manual.

Quit – Select this item to leave/close this screen.

Outputs

NOTE that these outputs will only appear after the cattle records are added to the Feeding-Lot via the Cattle-Data menu selection or via UPDATE DATA – CATTLE – BUY SELL TRANSFER.

Head Started – total head of animals ever started on feed in the Feeding-Lot.

Steers – total steers started in the Feeding-Lot.

Heifers/Cows -– total heifers/cows started in the Feeding-Lot.

Bulls -– total bulls started in the Feeding-Lot.

Pay Wt – total pounds of cattle purchased to enter this Feeding-Lot.

% Shrink – total pounds of cattle purchased to enter this Feeding-Lot after shrink.

Wt / Head – average purchase weight in pounds per head.

$ - total dollars spent on purchase of cattle brought into Feeding-Lot.

$/Head – average cost per head of cattle brought into Feeding-Lot.

Lots & Cattle

Enter Cattle Buy, Sell or Transfer Lot Data

Explanation: This section includes how to enter data on the cattle themselves. Cattle are entered in their Purchase Lots as a group, but you may then enter in the individual ear tag and other data on the individuals in the group as well. For custom fed cattle investor ownership can then be entered. Note that investors involved on a lot must be previously indicated on the MAIN MENU – SET UP – INVESTOR area of program before you can use this page. Note that Feeding-Lots must be previously indicated on the MAIN MENU – SET UP – LOT area of the program before using this page. Cattle sold out or transferred to a different Feeding Lot are also moved using the screen described for adding cattle.

Navigation: SET UP – LOTS – Cattle Data

Or

UPDATE DATA – CATTLE – Buy Sell Transfer

To Enter Data

1. The Feeding-Lot – Cattle Data screen must be accessed. To bring this up, select CATTLE-DATA from the Feeding-Lots screen (Main Menu – SET UP – LOTS) or open directly from the Main Menu – UPDATE DATA– CATTLE – BUY SELL TRANSFER menu selections.

2. Select Feeding-Lot from the Lot- feeding drop down list.

3. Provide the appropriate data concerning head counts, weights, animal identification and cost.

4. If individual cattle data are to be maintained for billing reasons or for health data, check the option box that says, "Auto Load Individual Ear Tags". Note that the program assumes sequential, visible ear tags when data is entered so the first number in the series is all that is needed. If there are breaks in the tagging, example, 1,2,3,4,5,99,100,101, etc – enter as separate entries. If electronic tags are used, these tags can be entered with this visible ear tag by viewing the visible tags after this initial record is saved by selecting VIEW-EDIT from the Feeding-Lot – Cattle Data menu item.

5. If the group has an investor involved,

   a. On the initial Feeding-Lot screen it was determined whether the data would be kept on individual animals or on the whole group. If the "individual animals" button was

checked, the Ownership input will be set to "Individual Ownership". If the whole lot option was checked, the Ownership input will be set to "Group Ownership"

b. Check whether the cattle are already paid for (owned) by the investor. This will credit the owner for the value of the cattle when feed bills are generated. If the feedyard sources the cattle and the investor is to be billed, be sure to check that the cattle are not paid for in order to pull this charge on the bill.

c. Indicate the percent of the Costs and Income that go back to the owner. If the animals are entered on an individual ownership basis, these values are set to 100%. If the basis is group ownership, indicate the percentage of ownership for each owner entered. Enter each investor's animals as a group in this case indicating 100% ownership.

d. Saving investor information

NOTE, you may wish to record the feedyard itself as an investor since that will allow bills to be generated for the feedyard and assist in keeping a cost reference on feeding cattle at different stages of development.

i. – If there is individual animal ownership on the lot, the cattle inputs (head, weight, value, ear tags) for the given investor are to be entered on the screen, the check box indicating that individual ear tags should be recorded is to be checked and the investor's information recorded and saved. Then the cattle data is saved from the screen's menu.

ii. –If there are multiple owners on a Feeding-Lot with specific cattle designated to specific owners, each owner's cattle will need to be recorded into the Feeding-Lot separately as a specific group in the manner mentioned above.

iii. –If the ownership of a lot is based on a percentage, the cattle inputs for the entire lot or group can be recorded. Then, indicate the first investor on the lot, the percentage of ownership and then select the SAVE button. Now indicate the next owner in the same manner and select the SAVE button, and repeat for any other owner involved. When the investors have been recorded the data on the cattle group can be saved by selecting SAVE from the screen's menu. Note that the individual ear tags on the group being saved can be saved as well as is done with individual cattle ownership.

iv. Use the RESET button to reset the list of investors on a lot for viewing. Use the SAVE button to save the selected investor with the group of cattle identified on the screen. Use the VIEW button to view through the investors listed on the lot. Use the DELETE button to delete an investor from a lot.

6. After investor information is saved the details on the group are saved by selecting SAVE from the screen's menu.

7. Edits, views and summary reports can be generated as needed.

To Edit or Update Existing Group Information

1. From the HOME PAGE – ANALYSIS REPORTS - ACCOUNTING – CATTLE - GROUP from the menu.

2. Select the Feeding-Lot in question from list and then select PRINT ALL from menu.

3. Find record with error and select UPDATE from the menu on the CATTLE DATA screen.

4. Type in the record number of the record that needs updating on the Feeding-Lot –Cattle Data screen and type in the correct information.

5. Select SAVE from the menu.

Cattle movement into and out of the Feeding-Lot is indicated on this screen as well. The Transaction input selection designates what is happening and changes the screen accordingly. Itemized records are generated and can be viewed in the ANALYSIS REPORTS – ACCOUNTING - CATTLE area of program.

Cattle that are transferred from one Feeding Lot to another will generate 2 itemized records. The record from the source Feeding Lot will appear as a "transfer lot" transaction while the destination Feeding Lot will be recorded as a "add cattle" transaction.

To Delete a Group

1. From the HOME PAGE – ANALYSIS REPORTS - ACCOUNTING – CATTLE - GROUP from the menu.

2. Select the Feeding-Lot in question from list and then select PRINT ALL from menu.

3. Find record to remove and select DELETE from the menu on the CATTLE DATA screen.

4. Type in record number to remove and select appropriate DELETE RECORD button.

NOTE if a range of records is entered to remove all records between starting and ending values will be removed even if they are not currently showing on the screen.

Investor ownership of a Feeding-Lot or of specific animals in the Feeding-Lot is indicated here. See the Custom Feeding/Billing section of this document for more information.

Provide all data on screen then use small SAVE button to save the investor and investor share with group. After saving first investor, enter second investor and save. Be sure to enter investor names in SET UP – INVESTOR before entering cattle data here

SAVE button does the same function as selecting SAVE from menu above (saves the group data).

Feeding-Lot – Cattle Data Buttons

O   Auto-Store individual ear tags

This button, if checked when SAVE is selected from menu, will create individual animal records based on the visible ear tag. The records made here can be accessed by selecting VIEW-EDIT – TAGS from the screen's menu bar.

O Cattle paid for   O Cattle not paid for

Prior to saving investor data on a lot check / indicate if the investor which is indicated has already paid for or owns the cattle prior to the start on feed or if not. A payment journal is maintained by the program and this will either credit the payment to the investor at billing or charge the investor for the cattle along with the feed bill.

Date

Use the Date button to access a calendar for date entry.

Investor Buttons

Reset   Save   View   Delete

As investors are saved with a given lot :

RESET – will allow you to bring this list back to the first investor recorded for viewing.

SAVE – allows you to save the investor with the group. If corrections are needed, RESET list, VIEW the correct investor, indicate any changes and SAVE to update.

VIEW – allows you to scroll through the investors saved on a lot. Use this button after first selecting RESET.

DELETE – allows you to remove an investor from ownership on a lot.

Feeding-Lot – Cattle Data Inputs

> **Record Number -** This value appears when a group is selected for updating and is used when editing an already entered group. The user does not need to use this input.

> **Lot-feeding -** The name of the Feeding-Lot can be selected from the drop down list. This is the Feeding-Lot that the group of cattle being described on this screen is placed.

> **Transaction**- Select the type of animal transaction that is taking place. For instance if you are adding cattle to a Feeding-Lot, select "add cattle".

> **Lot-purchase -** The name of the Purchase Lot can be selected from the drop down list or entered here.

> **Tag Color** – The color of the visible ear tags used for the group can be selected from this list.

> **Tag Letter** – If the visible ear tag has a letter on it, the letter can be indicated here.

> **Tag #-start** – The first number in a sequential series of numeric tags can be indicated here. The numbering will continue automatically based on the number of cattle listed. If there are breaks in the sequence, the groups should be split up accordingly.

> **Oldest Birth Date** – Indicate the birth date of the oldest animal in the group if known.

> **Date In** – Indicate the date the group was added to the Feeding-Lot.

> **Origin** – Indicate the origin of the animals in the group (source).

> **Steers, Heifers/Cows, Bulls** – Indicate the number of steers, heifers or bulls in the group.

> **Total Pay Wt.** – Indicate the total pay weight of the group.

> **Total Shrunk Wt.** – Indicate the total shrunk weight of the group.

> **Total $** - Indicate the total cost for the group.

Investor Information

Cost Share % - Indicate the percent of feed bills that are attributed to the selected investor. If the cost share is 40%, provide a "40" here.

Income Share % - Indicate the percent of income that are attributed to the selected investor. If the income share is 40%, provide a "40" here.

Interest % - A simple interest rate can be placed on late charges incurred by the selected investor. If the interest percent is 9%, provide a "9" here.

Investor Name – Select the investor from the list. The names are to be entered originally in the Main Menu - Set Up – Investor area.

Ownership – Select if the investor cattle are individually owned or group owned.

Feeding-Lot – Cattle Data Menu Items

New – will clear input boxes and format screen before entering a new data record.

Save – Select this item after providing data for a new group and saving investor ownership information if that is to be included.

View-Edit –
> **Tag Data** – use this to see the data recorded on the individual ear tags recorded for a pen.

> **Group** – use this to see the information on the groups that have been stored. A pop-up box will appear after selecting this which will allow you to pick the Feeding-Lot and time period of the records that are to be viewed.

Input Sheet –
> **Paper – Group** to print off a pdf input sheet that can be used to record the information that eventually gets entered into the program on this page.

> **Paper – Tags** to print off a pdf input sheet that can be used to record the information that eventually gets entered into the program on the Excel –Tags entry page.

> **Screen –Tags** brings up the screen to enter, edit or delete ear tag information one tag at a time. See Step 3– Individual Ear Tags entry in the Feeding-Lot .

> **Excel – Tags** use to enter/update multiple tags into the program with the Excel template input form. The program will automatically store the visible feedyard ear tags from the STEP 2 entry, but here you can add in an E-id, actual birth dates, animal source, and

original home ear tags along with later collected carcass data and final destination. (See Step 3– Individual Ear Tags entry in the Feeding-Lot)

Quit – Select this item to leave/close this screen.

Special Notes

Entering Records on Individually Tracked Animals

If there is a cost involved for disposal:

1.   Record the transaction (add, transfer, dead, market…) on animal in the UPDATE DATA – CATTLE – BUY/SELL/TRANSFER area and record issue as normal.

2.   If you are tracking individual animal, go to the UPDATE DATA – CATTLE – EAR TAG –SCREEN and record the number and death for this ear tag.

Entering Records on Deads

If there is a cost involved for disposal:

1.   Record the dead animal in the UPDATE DATA – CATTLE – BUY/SELL/TRANSFER area and record issue as normal.

2.   Then when saved, go to UPDATE DATA – COSTS NONFEED /NONCATTLE and record the disposal cost.

3.   If you are tracking individual animal, go to the UPDATE DATA – CATTLE – EAR TAG –SCREEN and record the number and death for this ear tag

Lots & Cattle

Individual Ear Tags Entry in the Feeding-Lot

Explanation: This section is only needed in those situations where individual animals need to be tracked within the group as might be the case with heifer development, some more detailed Age & Source Verification programs, in research situations or some custom feeding arrangements.

Navigation: UPDATE DATA – CATTLE – BUY SELL TRANSFER – TAG DATA

Or

UPDATE DATA – CATTLE – EAR TAG DATA

Or

ANALYSIS REPORTS – ACCOUNTING - CATTLE – TAG DATA

Add Ear Tags

Ear tags can be entered one at a time through the program screen or multiple tags can be entered by using the Excel Ear Tag template.

Inputting a Single Ear Tag

1. Go to UPDATE DATA – CATTLE – EAR TAG DATA – SCREEN INPUT/EDIT

2. On the TAG DATA screen (see following figure) that appears, provide the inputs necessary at this time and under the OPERATION input be sure to select NEW TAG. As you may see, not all these inputs are needed and some may apply at a later time. Therefore provide what is reasonable.

3. Select SAVE once the data is provided

NOTE the ear tag will be saved in a format giving tag color-tag letter-tag number-electronic tag number. If any of these items are omitted, the tag will be saved without this item.

Inputting Multiple Ear Tags

1. Go to UPDATE DATA – CATTLE – EAR TAG DATA – EXCEL INPUT/OUTPUT.

2. On the Excel Template that appears (shown below), provide the data on the animals to the extent possible. As you may see, not all these inputs are needed and some may apply at a later time. Therefore provide what is reasonable.

3. Select the SAVE button.

Editing / Updating Ear Tag Records

You will need to provide periodic updates and edits to ear tag records since data concerning these individuals will trickle in over the time on feed. For instance, as animals move from one Feeding-Lot to another they will require an update in terms of location. As animals are marketed, they also will require this update in terms of where they were sent along with resulting market data they may accumulate. Both the program screen used to enter a single record and the Excel template can be used for this purpose.

Single Record Updates/Edits

1. Go to UPDATE DATA – CATTLE – EAR TAG DATA – SCREEN INPUT/EDIT

2. On the TAG DATA screen (see following figure) that appears, Select the ear tag from the TAG LIST that requires attention. Note that if you select the FEEDING-LOT and then the FEEDING-LOT TAGS button under this list only the tags listed in this FEEDING-LOT will show on list.

3. Provide the inputs necessary at this time and under the OPERATION input be sure to select VIEW and then provide the data for data updates with the animal staying in the same Feeding-Lot. For those leaving the Feeding-Lot, indicate the appropriate OPERATION description.

4. Select SAVE to re-file record.

Multiple Record Updates/Edits

1. Go to UPDATE DATA – CATTLE – EAR TAG DATA – EXCEL INPUT/OUTPUT.

2. On the Excel template, select the Feeding-Lot that contains the ear tag.

3. Select the LOAD button and all tags saved under the selected Feeding-Lot will appear on the screen.

4. On the Excel Template that appears (shown below), provide the data on the animals to the extent possible. As you may see, not all these inputs are needed and some may apply at a later time. Therefore provide what is reasonable.

5. Select the SAVE button.

Deleting Ear Tag Records

1. Go to UPDATE DATA – CATTLE – EAR TAG DATA – SCREEN INPUT/EDIT

2. On the TAG DATA screen (see following figure) that appears, Select the ear tag from the TAG LIST that requires deletion. Note that if you select the FEEDING-LOT and then the FEEDING-LOT TAGS button under this list only the tags listed in this FEEDING-LOT will show on list.

3. Select DELETE to remove record.

NOTE that there may be occasions tags are forgotten and left behind in program. These tags can be removed also in the UTILITIES area of program under the CLEAN UP selection.

Tag Data Screen Used for Ear Tag Data Manipulations – Single Records & Reports

Tag Data Screen – Buttons

| Show All Tags | - will show on list all the ear tags currently on file.

| Feeding Lot Tags | -will show all tags filed with the selected Feeding-Lot (select Feeding-Lot from the Feeding-Lot input list to right then select this button).

| Clear List | -will clear out the tags selected on the list above. These tags would be those selected for individual closeout reports.

| Clear | -will clear inputs off screen

| Option Buttons | -allow reports specifications to be indicated.

| $ | -calculates rearing costs for animal while on feed (less animal purchase price)

Tag Data Screen – Inputs

Tag Color – ear tag color

Tag Letter – letter on ear tag (optional).

Tag Number – ear tag number

E-id Number – electronic ear tag number. Note that if e-id tags are used, it may work best to use the Excel Ear Tag template since the data can be pasted in from a reader download (optional).

Brand – hot or freeze brand may be entered here (optional).

Home Tag – a previous ear tag can be listed here (optional).

Birth Date – animal birth date if known/needed.

Date In – date animal was brought to yard

Weight In – incoming weight (pounds)

Value In – incoming value (total $ / head).

Feeding-Lot – select the Feeding-Lot from list the animal occupies.

Purchase Lot – indicate/select the purchase lot the animal was associated (optional).

Source – select the origin of the animal from list or type it in. A list of sources can be indicated in the SET UP – VENDERS area to pick from here along with other Feeding-Lots.

Destination – when animal leaves feedyard, indicate the destination here. A list of destinations can be indicated in the SET UP – SALE OUTLET area to pick from here along with other Feeding-Lots.

Operation – indicate what is currently being recorded with the designated ear tag –adding (New Tag), editing info (VIEW), etc.

Verification Program – if the animal is being raised under some guideline or verified program you may indicate it here. A list of programs, etc. can be indicated in the SET UP – VERIFIED PROGRAM area to pick from here (optional).

Date Out – can be indicated here when the animal is removed from the feedyard.

Weight Out – can be indicated here when the animal is removed from the feedyard (pounds).

Value Out – can be indicated here in total dollars per head when the animal is removed from the feedyard.

Ultrasound Data

 (all are optional – this data would be used by program for projections if provided)

Date – date the ultrasound was taken.

Ribeye Area – ultrasound ribeye area in sq. inches

Back Fat – ultrasound backfat in inches

Rump Fat – ultrasound rumpfat in inches.

Intramuscular Fat – ultrasound intramuscular fat in percent.

Check Date – date of a weight taken during feeding period.

Check Wt. – weight in pounds during feeding period if weighed. Will be used for projection update.

Actual Values for Carcass Measures (optional)

Carcass Wt. – carcass weight in pounds.

Yield Grade – USDA yield grade given to carcass.

Quality Grade – USDA quality grade given to carcass.

Defects – text can be provided on any defect found with carcass like dark, stag, callus, abscess, etc.

Ribeye Area – a ribeye area may be indicated here.

Backfat – a carcass backfat depth may be indicated here.

Marbling Score – a carcass marbling score may be indicated here.

Tenderness Score – if a carcass tenderness score is given, it may be indicated here.

Program – program qualification like CAB, etc can be indicated here.

Tag Data Screen – Menu Items

Save – use to save new tags or after making edits to existing tags.

Delete – use to remove selected tag from database.

Printer Set Up– select to access printer properties and to choose whether to printout should go to a pdf writer or actual printer.

Reports – report may be selected from list. See following section on Lot Reports for more information.

Inputs – this will open up Excel Ear Tag template.

Quit – exit screen.

Excel Ear Tag Data Template – Multiple Record Handling

Excel Ear Tag Data Template – Buttons

> **Load Data - after** selecting the Feeding-Lot will load all tags associated with the Feeding-Lot on to the screen.

> **Save Data** – files away the new tags if added along with the updated data from any changes.

> **Clear Screen** – clears the screen of data.

Note the drop down lists can be opened to pick Feeding-Lots, Investors, ear tag colors, cattle sources and destinations. After finding the correct item on the list, paste automatically into the data cell by "right clicking".

Excel Ear Tag Data Template – Inputs

See those listed with the Tag Data screen and comment box in header.

Tag Movement

Additional sheet on Ear Tag Template used for viewing and editing Ear Tag movements.

Select Feeding Lot

Select LOAD button

Pick Ear Tag from list

Select LOAD button

Edit information

Select SAVE

Edit/Change Tags

Additional sheet on Ear Tag Template used for retagging existing tagged animals.

Select Feeding Lot

Select LOAD button

Pick Ear Tag

Provide new information

SAVE

Lots & Cattle

Reports

Yard Report

The Yard Report provides a dashboard report on the Home Page summarizing the current Feeding-Lots of cattle on feed by facility.

1. Home Page

2. Select YARD button (this report can be printed by selecting the PRINT button at this time).

The following Reports deal with group data rather than individual tags.

Cattle Entry Records

This report will provide all the itemized records showing when cattle entered the Feeding-Lot by direct purchase or transfer from another Feeding-Lot.

1. Go to ANALYSIS RECORDS – ACCOUNTING – CATTLE – GROUP DATA.

2. From the pop up screen (shown above) select the Feeding-Lot

3. Select VIEW RECORDS. Dates may be used to narrow field to a time frame.

```
Cattle Entry
Update  Delete      Quit

      Current Steers      0     Pay Wt.        142,635     Value $ 179,980.80
              Heifers   185     Shrunk Wt.     142,635     Value $/lb 1.26
              Bulls       0     Shrink %  0.0%

Record Feeding-Lot Transaction  Date      Origin        Head  Pay Wt  Shrunk Wt   Cost     1st Ear Tag          lbs/hd $/lb   $/hd
   1299            1st birth:08/01/2011   1361         none
78                 add cattle  08/02/2012              h 185   142635  142635   179980.80    0                   771   1.26   972.87
```

Output

The report header:

> **Current Steers, Heifers, Bulls** – gives the current head count in the Feeding-Lot by gender.
>
> **Pay Wt.** – total pay weight in pounds for all cattle placed in Feeding-Lot.
>
> **Shrunk Wt. –** total shrunk weight for all cattle placed in Feeding-Lot.
>
> **Shrink %** - percent shrink
>
> **Value $** - total incoming value on all cattle started in Feeding-Lot.
>
> **Value $/lb** – average incoming cost per pound of all cattle started.

The Report Body:

> **Note** that each record is composed of two lines of data.
>
> The first line contains: the
>
> **Feeding-Lot Name**,
>
> **Birth Date** of the oldest calf in group (if known),
>
> **Purchase Lot** (if recorded)
>
> **Verification** program that might be in place on group.
>
> The second line contains:
>
> **Record Number** used by program for filing data
>
> **Transaction** involved (add, market, transfer, etc)
>
> **Date** cattle entered Feeding-Lot

Origin is the source of cattle

Head is the number in the group entering and the gender designation (s-steers, h-heifer or cow, b-bull, m-mixed genders)

Pay Wt is the total pay weight for the group in pounds.

Shrunk Wt. is the total shrunk weight for the group in pounds.

Cost is the total dollars paid for or valued on the group.

1st Ear Tag is the color, letter and number of the first ear tag given on the group if this data is recorded.

Lbs/hd is the weight per head coming into the Feeding-Lot

$/lb is the incoming value per pound.

$/hd is incoming value per head.

All Cattle Records

This report will provide all the itemized records showing all cattle transactions in the Feeding-Lot .

1. Go to ANALYSIS RECORDS – ACCOUNTING – CATTLE – GROUP DATA.

2. From the pop up screen (shown above) select the Feeding-Lot (a date range can also be indicated).

3. Select PRINT ALL from the menu.


```
Cattle Data
Update  Delete        Quit


    1277
        Total to Date: $    61,713.33
        Total Current Head: 0

Record  Feeding Lot    Date        $ Amount  Head Description     Origin/Destin
────────────────────────────────────────────────────────────────────────────
4       1277           09/11/2012  131,498   117  add cattle
17      1277           02/04/2013      0     1    dead            h-dead
38      1277           02/04/2013  193,211   116  market          nistra-llc
```

Output

The Report header:

      Total to Date $ is the total difference between cattle purchase dollars and cattle sale dollars.

      Total Current Head – current total head of cattle in Feeding-Lot.

The Report Body:

      Record is the file record number used for updating / deleting records.

      Feeding-Lot is the Feeding-Lot the transactions occurs in.

      Date is the date the event took place.

      $ Amount is the settled cost or value on the group being moved.

      Head is the number of head involved along with gender description.

      Description is the transaction that took place.

      Origin/Destin. is where the animals came from for lot additions or where they went for lot removals.

NOTE that by selecting UPDATE from the menu you may edit or update records shown on the screen.

Cattle Market Records – Raw Pen Data

This report will provide all the itemized records showing all cattle market data from the Feeding-Lot.

1. Go to ANALYSIS RECORDS – ACCOUNTING – CATTLE – GROUP DATA.

2. From the pop up screen (shown above) select the Feeding-Lot (a date range can also be indicated).

3. Select PRINT MARKET DATA – RAW PEN DATA from the menu.

NOTE that if you need to update these records do so by viewing the corresponding record in the ALL CATTLE RECORDS report area described in procedure before this one.

```
🔖 Raw Market Data
Delete      Quit
Feeding Lot:  1292
                                    Head Sold                    Base Price
Rec.Tag                   Date      Str  Hef  Bul  Lv.Wt  Crc.Wt $     Live  Carcass

49                        01/14/2013  0  113   0  154319  95678 201039  125.00 190.00
50                        12/18/2012  0   39   0   52077  31590  66436  125.00 185.00


              Head Head                    Head                 Head
Rec.Program   QualifyYG1 YG2  YG3  YG4  YG5  < 6  6-7  7-8  8-9  9-1k >1k  Prm  Cho  Sel  Std

49 cab          40    8   52   49    4    0    0    8  100    5    0    0    9   55   47    2
50 cab          20    0    6   29    4    0    0    8   25    5    1    0    9   25    5    0


                                              No  Head in each Category
Rec.Truck          Pickup        Delivery     Rol Drk Stg Abc HdB CndmOth Buyer

49 bob gateway     5:00 pm       8:00 pm        0   0   0   0   1   0   0 big beef
50 bob gateway     10:00 am      2:00 pm        0   0   0   0   1   0   0 big beef
```

Output

Note that each record has 3 lines of data.

The Report header:

> **Feeding-Lot** name.

The Report Body – line 1:

> **Rec.** is the file record number used for updating / deleting records.
>
> **Tag** is a ear tag or group tag identification.
>
> **Date** is date animals were sold / moved out.
>
> **Head Sold – Str, Hef, Bul** – is the number of steers, heifers or bulls sold in group
>
> **Lv.Wt**. is the total pounds of live weight sold in the group.
>
> **Crc Wt.** is the total pounds of carcass weight sold in the group.
>
> **$** is the total dollars received for group.
>
> **Base Price – Live, Carcass** are the base prices currently being paid the day the animals were sold. These prices can be used as a reference to compare with the prices you received.

The Report Body – line 2:

> **Rec.** is the file record number as indicated above.
>
> **Program** is a marketing program name that cattle may have been subject to.

Head Qualify are the number of head that qualified for the program just mentioned.

Head – YG1, YG2, YG3, YG4, YG5 are the number of head falling into each of the yield grade classifications.

Head - <6, 6-7, 7-8, 8-9, 9-1k, >1k are the number of head falling into each of the carcass weight catagories. <6- less than 600 pounds, 6-7 - 600 to 700 pounds, etc. >1k - greater than 1000 pounds.

Head – Prm, Chc, Sel, Std are the number of head falling into each of the quality grades.

The Report Body – line 3:

Rec. is the file record number as indicated above.

Truck is the trucking company involved in hauling group.

Pickup is the time animals were loaded.

Delivery is the time animals were delivered.

Rol are the number of head classed as "No Roll"

Drk are the number of head classed as "dark cutters"

Stg are the number of head classed as "stags"

Abc are the number of abscesses detected

HdB are the number of hard bone carcasses

Cndm are the number of condemned carcasses.

Oth are the number of other defects.

Buyer is the buyer of the group.

Cattle Market Records – Marketings

This report will provide all the itemized records showing all cattle market data from the Feeding-Lot.

1. Go to ANALYSIS RECORDS – ACCOUNTING – CATTLE.

2. From the pop up screen (shown above) a Feeding-Lot and a date range can be indicated.

3. Select PRINT MARKET DATA – MARKETINGS from the menu.

NOTE that if you need to update these records do so by viewing the corresponding record in the ALL CATTLE RECORDS report area described earlier.

```
Marketings
Delete      Quit
Feeding Lot:

Rec.Feeding Lot           Date      Head $        Destination

7  1309 f                 05/20/2013  117 196880   packing plant
8  1303                   06/10/2013  49   75515   plant
9  1303                   06/17/2013  116 177088   plant
```

Outputs

NOTE these outputs would match those described with the Raw Pen Data report.

Cattle Market Records – Summary Data

This report will provide a summary of the itemized records showing all cattle market data from the Feeding-Lot .

1. Go to ANALYSIS RECORDS – ACCOUNTING – CATTLE.

2. From the pop up screen (shown earlier) a Feeding-Lot and a date range can also be indicated.

3. Select PRINT MARKET DATA - SUMMARY from the menu.

```
                          -                    Wt/Hd  %              Live     %YG  %
 FeedingLot    DaysFed     Description        Hd   lb  Dress $/Hd  $/lb  Base$ 4&5   Ch+   Defects

 1299          157         yearling beef-h    185 1277 63.0  1634  1.28  125.00 3.7  96.3  0
 1292          180         yearling beef-h    113 1366 62.0  1779  1.30  125.00 3.5  56.6  1
 1266          132         yearling beef-h    272 1292 63.0  1635  1.26  126.00 0.0  67.6  4
 1277          146         yearling beef-h    116           1666  1.28  125.00              0
 1233          169         yearling beef-h    128           1565  1.25  130.00              0
 12030         146         yearling beef-s    112 1439 63.0  1757  1.22  0.00                0
 1302          156         yearling beef-s    150           1789  1.30  130.00              0
 12031         147         yearling beef-h    129           1633  1.27  130.00              0
 1303          177         calf beef-h        49            1541  1.20  0.00                0
 1309 f        125         yearling beef-h    117           1683  1.27  0.00                0
 13010         115         yearling beef-h    90            1511  1.30  130.00              0


 ===========================================================================================
 OVERALL FOR SELECTED FEEDING LOTS
      Wt/Hd           Live        Carcass    %    %YG   %     %    Hd    Hd    Hd    Hd
 Head  lb    $/Hd  $/lb  Base   $/lb  Base  Dress 4&5  Ch+  <600  Dark  Bone  Abcs  Other

 1461 1307  1660  1.27  103.10 2.02  158.38 62.8  1.7  72.7  0.9   0     1     4     0
```

Output

Top Portion of Report:

Feeding-Lot is the name of the management group

DaysFed are the days the group had been on feed

Description is a description of the cattle fed in the lot.

Hd is the number of head sold.

Wt/Hd lb is the average market weight for the animals marketed from the group.

% Dress is the percent dressing percent. Calculated when the total live and total carcass weights are entered.

$/Hd is the average dollars received per head from group.

Live -$/lb is the actual amount received per pound on the live market animals.

- **Base$** is the base price being paid on live cattle. Use this as a reference to compare how well you are doing with the actual price you receive.

% YG4&5 is the percent of cattle sold given a yield grade 4 or 5 from the group.

% Ch+ is the percent of cattle sold given a quality grade of choice or higher from the group.

Defects is the number of carcass defects from the group noted at slaughter such as abscesses, dark meat, hard bone (old maturity), etc.

Bottom Portion of Report

Head is the total number of head marketed in the above listed Feeding-Lots.

Wt/Hd lb is the average weight for all the marketed animals from Feeding-Lots above.

$/Hd is the average price received for all the animals from Feeding-Lots above.

Live   **- $/lb** is the average price received per pound of live weight

      -Base is the average base price during the marketing of the Feeding-Lots listed above.

Carcass - $/lb is the average price received per pound of carcass weight

      -Base is the average carcass base price during the marketing of the Feeding-Lots listed above.

% Dress is the average dressing percent for the cattle sold above.

% YG4&5 is the percent of cattle sold above given a yield grade 4 or 5.

% Ch+ is the percent of cattle sold above given a quality grade of choice or higher.

% <600 is the percent of cattle sold above with a dressed carcass less than 600 pounds.

Hd Dark is the number of dark cutters indicated on cattle sold above.

Hd Bone is the number of over mature/hard boned cattle indicated on cattle sold above.

Hd Abcs is the number of abscesses indicated on cattle sold above.

Hd Other is the number of stags and other carcass defects listed on cattle sold above.

Tag Movement Report

This report will show source, location and destination for a selected animal.

Get this report by going to:

1.   MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2.   Select the animal from the list that you wish to see projections.

3.   Select REPORTS – TAG Movement from the screen menu

Or

1.   Open the INPUTS option from the TAG DATA menu.

2.   Select the TAG MOVEMENT tab at the bottom of the excel screen.

3.   Select the Feeding-Lot from the list and then select LOAD LIST button to load list with tags from the selected Feeding-Lot.

4.   Select the tag of interest and then the LOAD button. Note that you can make edits and SAVE .

Output

Top Section of Report

>   **Selected Ear Tag**

Bottom Section of Report

>   **Date –** is day entering or leaving location.

>   **Code (Status)-** b-birth date, a-active in lot, m-marketed, d-died, t-transferred to a different Feeding-Lot, r-removed for breeding, f-sold as feeder calf, s-sick removed.

>   **Source/Destination -** origin or destination.

>   **$ Value –** animal value at the date above.

>   **L. Weight –** is the animal live weight at the event.

Tag Status Report

The Status Report provides a summary of each selected tag in terms of where they currently reside and where they came from.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the animals from the list that you wish to see status.

3. Select REPORTS – TAG STATUS from the screen menu.

Output

Top Section of Report

>   **Source** the origin for the selected cattle.
>
>   **Feeding-Lot Name** – the selected Feeding-Lot.
>
>   **Purchase Lot** – is the sale lot of the selected animals.
>
>   **Investor**– is the owner of the selected cattle.
>
>   **Active, Outs, Etc** – is the number of head in the Feeding-Lot currently along with the number removed in each category.
>
>   **Note** if cattle are selected from multiple Feeding-Lots or multiple owners the Top Data section of the Report would be the Feeding-Lot / ownership of the last selected animal.

Bottom Section of Report

>   **Tag** – is the animal being projected.
>
>   **Status –** a-active in lot, m-marketed, d-died, t-transferred to a different Feeding-Lot, r-removed for breeding, f-sold as feeder calf, s-sick removed.
>
>   **Source – is the origin of the animal in terms of purchase.**
>
>   **B Date** – is the birth date of the animal.
>
>   **Location** – is the current Feeding-Lot holding the animal.
>
>   **Date** – is the last day of the last recorded Feeding Period on the animal.
>
>   **Investor –** is the owner of the animal.

Tag Projection Report

The Tag Projection Report is generated when individual ear tag data is recorded and the animals are ultra sonically scanned during the time on feed. This report will provided a projection indicating the date when the individual animals will probably hit the target finished weight and back fat designated by the user.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the animals from the list that you wish to see projections.

3. Select REPORTS – TAG PROJECTION from the screen menu

```
Tag Projection
       Quit
Feeding Lot: 11 ste 13              Pen Wt      1238      As-of       05/31/2014
Target Wt:  1300                    Pen ADG     2.7       Pen DMI:Wt  1.66
Target Fat:  0.4                    Pen DOF     202       Breakeven   38.97

                                                Date Targets Reached   Current
       Tag                 Date In   DOF ADG  Wt         Fat        Age(mo)  Investor

 1   blacka100_0           08/13/2013  291 2.1  08/23/2014  11/12/2014  18      bob interest
 2   blacka101_0           08/13/2013  291 2.2  07/22/2014  08/15/2014  18      bob interest
 3   blacka102_0           08/13/2013  291 1.8  08/26/2014  sell now    18      bob interest
 4   blacka103_0           08/13/2013  291 2.2  08/28/2014  12/30/2014  18      bob interest
 5   blacka104_0           08/13/2013  291 1.9  01/08/2015  11/06/2014  18      bob interest
 6   blacka105_0           08/13/2013  291 1.9  09/12/2014  01/29/2015  18      bob interest
 7   blacka106_0           08/13/2013  291 2.2  08/03/2014  11/28/2014  18      bob interest
 8   blacka107_0           08/13/2013  291 2.1  07/30/2014  08/30/2014  18      bob interest
 9   blacka108_0           08/13/2013  291 2.1  08/12/2014  11/25/2014  18      bob interest
10   blacka109_0           08/13/2013  291 2.1  08/28/2014  12/31/2014  18      bob interest
```

Output

Top Section of Report

Feeding-Lot Name – the selected Feeding-Lot of the cattle being projected.

Target Weight – is the user defined live weight to project a date to reach.

Target Fat – is the user defined target back fat thickness to project a date to reach.

Pen Wt – the current average weight in the selected Feeding-Lot.

Pen ADG – the current average daily gain for the Feeding-Lot.

Pen DOF – the number of days the Feeding-Lot has already been on feed.

As- of – the last day of the last recorded Feeding Period on the selected Feeding-Lot.

Pen DMI:Wt - is the current dry matter intake divided by live weight average on the selected Feeding-Lot.

Breakeven – is the current breakeven value on the selected Feeding-Lot.

Bottom Section of Report

Tag – is the animal being projected.

Date In – is the day the animals was placed on feed.

DOF – is the current number of days the animals has been on feed.

ADG – is the up to now average daily gain while on feed.

Wt Date –is the date the target weight should be reached.

Fat Date – is the date the target back fat thickness should be reached.

Age – is the current age of the animal in months.

Investor –s is the owner of the animal.

Tag Data Report

The Tag Report is a general report that allows you to get a report based on specific criteria. For instance a time period, a sort option such as "marketed cattle", a Feeding-Lot, an animal Source can be specified and a summary generated giving the animals qualifying after these criteria will result.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the sort criteria as mentioned above from the screen (individual tags are not selected).

3. Select REPORTS – TAG DATA from the screen menu.

```
 Tag Data
Update  Delete       Quit
            -              All Cattle
Souce:                        Active:      15  Deads       0
Feeding Lot:  11 ste 13       Out-Market:   5  Realizers   0
Purchase Lot:                 Out-Breeding: 0  Out-Sick    0
Investor:                     Out-Other:    0  TOTAL HEAD  20

AVERAGES-                     745  58   1   120  1154 919  21           4    0.1  0     0
Record Tag             Date On   WtOn DOF ADG $Inpt $Oput Wt  Yld YG  QG  REA  BF   Mrbl Tend Defect/Note

1     blacka100_0      08/13/2013 620           0  800  620  0  0   0   0.0  0.0  0    0   0
2     blacka101_0      08/13/2013 600           0  800  600  0  0   0   0.0  0.0  0    0   0
3     blacka102_0      08/13/2013 700  230 2.4 800 1422 1250 62  2  cho 12.0  0.3  0    0   0
4     blacka103_0      08/13/2013 600  230 3.1 800 1620 1320 53  1  cho 11.0  0.2  0    0   0
5     blacka104_0      08/13/2013 680  230 2.9 800 1642 1350 63  2  pri 14.0  0.2  0    0   0
6     blacka105_0      08/13/2013 690  230 3.1  0  1688 1400 57  3  sel 13.0  0.4  0    0   0
7     blacka106_0      08/13/2013 600  230 3.6  0  1700 1422 54  2  cho 12.0  0.3  0    0   0
8     blacka107_0      08/13/2013 630           0  800  630 121 3  sel 12.3  0.4  0    0   0
9     blacka108_0      08/13/2013 640           0  800  640  0  0   0   0.0  0.0  0    0   0
10    blacka109_0      08/13/2013 640           0  800  640  0  0   0   0.0  0.0  0    0   0
11    black110_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
12    black111_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
13    black112_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
14    black113_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
15    black114_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
16    black115_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
17    black116_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
18    black117_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
19    black118_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
20    black119_0       05/01/2014 850           0 1100  850  0  0   0   0.0  0.0  0    0   0
```

Output

Top Section of Report (these titles represent the various sorts that might be put in place)

> **Source –** would be the source the cattle came from.
>
> **Feeding-Lot** – the selected Feeding-Lot of the cattle being projected.
>
> **Purchase Lot** – is the name of the purchase lot cattle may have had from the sale barn.
>
> **Investor** – is the owner of the animals in a custom feeding arrangement.
>
> **Active, Out Market, Out Breeding, Out Sick, etc** – is number of head in or removed for the specific reason.

Bottom Section of Report

> **Tag** – is the animal.
>
> **Date On** – is the day the animals was placed on feed.
>
> **WtOn** – is the weight placed in the yard and the average for all selected animals.
>
> **DOF** – is the current number of days the removed animals were on feed along with the average for them.
>
> **ADG** – is the average daily gain while on feed.
>
> **$Input** – is the cost to feed the animal.
>
> **$Output** –is the amount received when leaving Feeding-Lot.
>
> **Wt** – is the weight when leaving the Feeding-Lot.
>
> **Yld** – is the dressing percent of the animal.
>
> **YG** –is the USDA yield grade given of the animal at marketing.
>
> **QG** - is the USDA quality grade given of the animal at marketing.
>
> **REA** - is the ribeye area of the animal at marketing.
>
> **BF** -is the backfat thickness of the animal at marketing.
>
> **Mrb** - is the marbling score of the animal at marketing.
>
> **Tend** - is the tenderness measure of the animal at marketing.

Defects –would be noted defects of the animal at marketing.

Market Data Report

The Market Report is a general summary that will utilize individual carcass data and create a grid summarizing the percent of animals falling into the various marketing windows of carcass weight, yield grade and quality grade.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the sort criteria (Feeding-Lot, Investor, Source).

3. Select REPORTS – MARKET DATA from the screen menu.

```
Grid Marketing Martrix
   Quit

 Head Marketed:  10  Head without Grid Info or No-Grades:  4
 Head on Grid:  6   Program Cattle (CAB, etc): 0.0%   Head with Recorded Defects:  0

 Market Grid
                   < 600lb   600-700   700-800   800-900   900-1000   > 1000

 YG 1 Prime       0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Choice      0.0%      0.0%      0.0%      16.7%     0.0%       0.0%
      Select      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Standard    0.0%      0.0%      0.0%      0.0%      0.0%       0.0%

 YG 2 Prime       0.0%      0.0%      0.0%      16.7%     0.0%       0.0%
      Choice      0.0%      0.0%      16.7%     16.7%     0.0%       0.0%
      Select      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Standard    0.0%      0.0%      0.0%      0.0%      0.0%       0.0%

 YG 3 Prime       0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Choice      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Select      0.0%      0.0%      16.7%     16.7%     0.0%       0.0%
      Standard    0.0%      0.0%      0.0%      0.0%      0.0%       0.0%

 YG 4 Prime       0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Choice      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Select      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Standard    0.0%      0.0%      0.0%      0.0%      0.0%       0.0%

 YG 5 Prime       0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Choice      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Select      0.0%      0.0%      0.0%      0.0%      0.0%       0.0%
      Standard    0.0%      0.0%      0.0%      0.0%      0.0%       0.0%


          -
 SORTS: j&r cattle       11 ste 13              bob interest  All Cattle
```

Tag Closeout Report

The Closeout Report in the Tag area gives individual closeouts on selected animals.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the animals to view.

3. Select REPORTS – TAG CLOSEOUT DATA from the screen menu.


```
Animal Closeout
      Quit


Feeding Lt: 11 ste 13
Investor:   bob interest
                                               - -Wt- -      #     - - - - - $ - - - - -
Cnt Tag                      Date In   Date Out  DoF  In   Out  ADG  trt  In   Feed NFV   Out   Net   C  Source

 1  blacka102_0             08/13/2013 03/31/2014 231  700 1250 2.4   0   800  419  74   1422  129  m  j&r cattle
 2  blacka103_0             08/13/2013 03/31/2014 231  600 1358 3.3   0   800  419  74   1588  295  m  j&r cattle
 3  blacka104_0             08/13/2013 03/31/2014 231  680 1350 2.9   0   800  419  74   1642  349  m  j&r cattle
 4  blacka105_0             08/13/2013 03/31/2014 231  690 1400 3.1   0   800  419  74   1688  395  m  j&r cattle
 5  blacka106_0             08/13/2013 03/31/2014 231  600 1295 3.0   0   800  419  74   1577  284  m  j&r cattle
```

Output

Tag – is the animal.

Date In / Date Out – the day the animals was placed on feed and then sold out of Feeding-Lot.

DOF – is the current number of days the removed animals were on feed along with the average for them.

Wt In / Wt Out – is the weight placed in the yard and the weight when removed.

ADG – is the average daily gain while on feed.

 # trt – is the number of medical treatments while on feed.

$ In – is the initial cost of the animal.

$ Feed – is the feed cost for the animal.

$ NFV – is the nonfeed, non cattle cost for the animal.

$ Out – is the amount received for the animal at removal.

$ Net – is the total cost minus the total gain for the animal.

C – is the code (m - marketed, r - removed breeding, s - removed sick, f - removed as a feeder, d - died, t - transfer to a different lot.

Source – is where the animal came from.

Age & Source Report

The Age and Source Report in the Tag area gives individual birth dates, source of origin on selected animals.

Get this report by going to:

1. MAIN MENU – ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA

2. Select the animals to view.

3. Select REPORTS – TAG AGE + SOURCE from the screen menu.

```
 Age and Source Report
        Quit


Feeding Lt: 11 ste 13                    Destination: green bay
Purchase Lt:                             Date Out:    03/31/2014
                                      Age
Cnt    Tag                           Mo. B-Day        Source          Verif.Progm

 1    m blacka102_0                   16  11/20/2012  j&r cattle
 2    m blacka103_0                   17  10/24/2012  j&r cattle
 3    m blacka104_0                   16  11/14/2012  j&r cattle
 4    m blacka105_0                   17  11/04/2012  j&r cattle
 5    m blacka106_0                   18  10/14/2012  j&r cattle
```

Output

Top Section of Report

The criteria for sorting tags is shown above if individual tags are not selected.

Bottom Section of Report

Tag – is the animal.

Age Mo. – the age of the animal in months.

B-Day – is the date of birth.

Source – is where the animal came from.

Verif.Program – is the verification program the animal may be certified under.

Lots & Cattle

Troubleshooting

Big Picture

Most errors result from input errors involving the addition or removal of animals into the Feeding-Lot. Start checking out your problem by ;

1. Go to the ANALYSIS REPORTS – ACCOUNTING – CATTLE – GROUP DATA area.

2. Select the Feeding-Lot and then PRINT ALL from the menu.

3. Look at each entry for the Feeding-Lot and especially pay attention to the Date.

4. If you see a problem, select UPDATE from the menu and then fix the problem / SAVE.

Many times the first Feeding Period start date and the date the first group of cattle enter the Feeding-Lot are different due to input error and this can cause a problem. Make sure these two first dates are the same.

Individual Ear Tag Data

When individual ear tag data is maintained there is a greater chance of errors due to the extra inputs. When things do not look correct and you have gone through the Big Picture steps just outlined above do the following:

1. Go to the ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA area.

2. Look at the individual ear tags listed in the Feeding-Lot either on the Tag Data screen or by selecting INPUT from the Tag Data screen menu and opening up the Excel Template.

3. Select the Feeding-Lot involved and view the records on each animal. When doing this make sure that the DATE IN, WEIGHT IN and VALUE IN are correct for each animal. Put in average WEIGHT and VALUES per head if you do not have specifics.

4. SAVE

Once done reviewing these areas, go to ANALYSIS REPORTS – MANAGEMENT – FEED – FEEDING PERIOD. Now select the Feeding-Lot and then RECALCULATE – RECALCULATE WITH ALREADY CORRECTED FEED PRICES. This will update breakevens, and cost of gain information and hopefully fix the issue.

Feed

Explanation: The identification of the feedstuffs provided, their nutrient content, inventory levels and the proportions of these feeds in rations is what this section is all about.

Navigation:

Main Menu

Set Up	Update-Data	Analysis-Reports

Feed	Feed + Feeding Period	Accounting
A Feedstuffs	A Feedstuffs	E Feed
B Rations	C Feed Inventory	Management
	D Feeding Period	D Feeding Period

A – Feedstuffs – identify feedstuffs and their nutrient composition
B – Rations – identify rations fed
C – Feed Inventory – add, remove, update price/dry matter, correct prices of feeds
D- Feeding Period – indicate lot feeding period data regarding feed provided
E- Feed Reports – reports/summarizes where inventory feed came from and went

Relative order of what needs to be done:
1. Identify the feedstuffs that you will be using or maintain in inventory.
2. Provide the analysis of each feedstuff currently in inventory.
3. Indicate units added, cost of units, inventory markup, and if you will maintain a record of inventory.
4. Units removed from inventory can be indicated directly or will occur automatically when feeding period data is provided.
5. Rations that are fed can be indicated anytime after the feedstuffs have been listed in the program.
6. Price changes and inventory updates/deletions can occur anytime after initial feedstuff inventory data has been entered.
7. Summary Reports

FEED

A – Identify Feedstuffs

Explanation: This is a critical step and needs to be done first. Feedstuffs can be added directly by the user or downloaded from the default Feed Library or imported from the BRaNDS nutrition program.

-To Add Feedstuff Directly

1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEEDSTUFFS.

2. Check if providing analysis on an as-fed or dry matter basis and type in feed name and analysis data.

3.   Indicate the pounds per unit that you are dealing with – for instance if one unit is a ton, input 2000. If one unit is a 50 pound bag, input a 50. Also indicate if there is any markup on feed leaving inventory.

4.   Select SAVE from menu.

-To Add Feedstuff from a default Feed Library
1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEEDSTUFFS

2. Select the "?" button on screen.

3. The name of the default feed library "*feedmill*" will appear, select "OK" if this is the library that you want. Note that you may type in the name of a different Feed Library from your BRaNDS Nutrition Program if you wish. This would be accessed by typing *in C:\BRaNDS\feed library name* in the pop up box that opens in place of the *feedmill* file name that appears here otherwise.

4. Scroll through library and "click" the name of the feed that you want to add.

5. You may save this or modify the contents of the default feed on the Feed Analysis screen now.

6. SAVE from menu.

-To Add Feedstuff from BRaNDS program

All of the feeds from a BRaNDS Feed Library can be imported into the Feedlot Monitor at once.

1. Go to MAIN MENU – UTILITIES – TRANSFER

2. From the Utilities screen select the location of your BRaNDS folder and find the BRaNDS Producer directory as shown below.

3. Select the SHOW FEED LIBRARIES option button.

4. Select the Feed Library to import.

5. Select the IMPORT BRANDS FILE button.

6. All the feeds in the selected file will be copied into the Feedlot Monitor Feed Library.

7. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEEDSTUFFS and review each feedstuff to make sure it transferred properly.
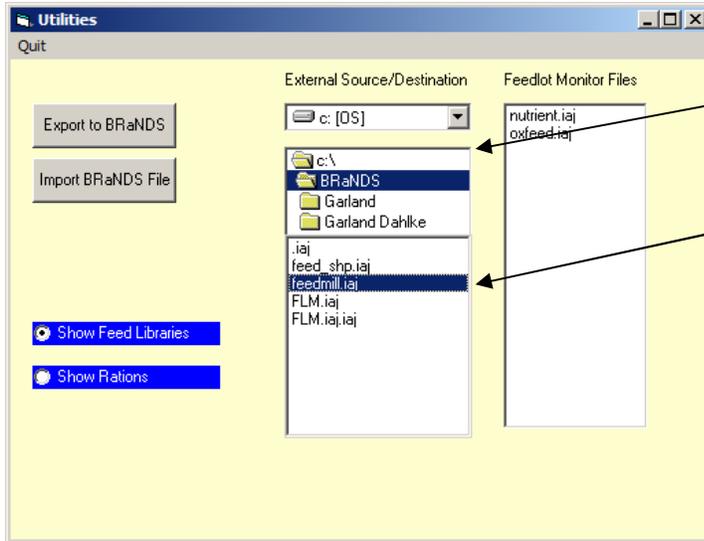
Select the drive and then the BRaNDS directory.

Select the producer folder containing the feed library and then select the feed library name itself.

Editing/Update Existing Feedstuff Information

1. Select the feedstuff from the list that you need to edit.

2. Type in or over the old input with the correct data.

3. Select SAVE from the menu.

Deleting a Feedstuff

1. Select the feedstuff from the list that you need to delete.

2. Select DELETE from the menu.

    NOTE that all itemized records that are associated with this deleted feedstuff will also be deleted as well so be sure to not delete a feedstuff that has been fed to an active pen.

Buttons on Feedstuff screen

?

This button will bring up a default feed library. Select this button and click on the feedstuff that has a similar analysis of the feed that you have named. The analysis of this selected feed will populate the input boxes on the screen. You may modify this analysis after it shows on screen.

Select the nutrient analysis basis that you are entering the feed as. Dry Matter is the default, but the analysis can be entered on an as-fed basis too. Check the box to indicate how you are providing this information. When the information is saved it will be saved on a dry matter basis.

Inputs

Feedstuff ID -   supply the name of the feedstuff here. Give each feed a unique name and it may be wise to put a date after the name in order to aid in identification, for instance corn-2012. Do not use any characters such as; ",',:,;,,/,\, @,.,$ in the name.

Feed Dry Matter % - supply the percent of dry matter of the feedstuff here. For example, a feed that is 84% dry and 16% moisture should be entered as "84" here.

Cr. Protein % - supply the percent crude protein here. For example, a feed that is 9% crude protein should be entered as "9" here. When a feed analysis gives crude protein and adjusted crude protein, use the adjusted crude protein value.

Degradable CP% - supply the percent of the crude protein fraction that is rumen degradable here. For example, a feed that is 9% crude protein and 70% rumen degradable should be entered as "70" here.

TDN% - supply the percent TDN of the feed here. For example, a feed that is 60% TDN should be entered as "60".

NEm Mcal/lb – supply the net energy –maintenance estimate here in mega calories per pound of feed. Be sure that you do not enter this as Mcal/cwt of feed since some labs will report this as such.

NEg Mcal/lb – supply the net energy –gain estimate here in mega calories per pound of feed. Be sure that you do not enter this as Mcal/cwt of feed since some labs will report this as such.

NFC % – supply the Nonfiber Carbohydrate estimate here as a percent. NFC is composed of inner plant cell carbohydrate contents such as starches, sugars, pectin, etc. These components ferment rapidly and supply a readily available source of energy. This fraction is monitored in order to avoid acidosis.

Fat % – supply the percent fat or ether extract here. A feed that is 12% fat should be entered as "12".

NDF % – supply the percent neutral detergent fiber here. A feed that is 42% NDF should be entered as "42".

eNDF% - supply the percent of the crude protein fraction that is rumen degradable here. For example, a feed that is 29% NDF and 70% effective should be entered as "70" here.

Calcium % – supply the percent calcium (Ca) here. A feed that is 36.5% Ca should be entered as "36.5".

Phosphorus % – supply the percent phosphorus (P) here. A feed that is 1.2% P should be entered as "1.2".

Potassium % – supply the percent potassium (K) here. A feed that is 3.3% K should be entered as "3.3".

Sulfur % – supply the percent sulfur (S) here. A feed that is .75% S should be entered as "0.75".

Ionophore gr/ton – for feeds that contain an ionophore, indicate the concentration of this ionophore in the feed as grams per ton.

Antibiotic gr/ton – for feeds that contain an organic antibiotic, indicate the concentration of this antibiotic in the feed as grams per ton.

MGA gr/ton – for feeds that contain melengestrol acetate, indicate the concentration of this MGA in the feed as grams per ton.

Beta Agonist gr/ton – for feeds that contain a beta agonist, indicate the concentration of this beta agonist in the feed as grams per ton.

Notes – personal notes on the given feedstuff can be recorded here.

Lbs/Unit - indicate the number of pounds per unit here. The unit can be a ton, a pound, a 50 lb bag, a bushel, a cwt, a 1400 bale or whatever is convenient.

$/Unit Markup – an add-on charge per unit can be indicated here. You may want to use this to mark up feed costs to take into account feed shrink loss in inventory, handling, inventory maintenance, etc. For example, a 10 cent per bushel mark up should be indicated as "0.10".

% Unit Markup - an add-on charge provided as a percent of unit cost can be indicated here. You may want to use this to mark up feed costs to take into account feed shrink loss in inventory, handling, inventory maintenance, etc. For example, a 15% per bushel mark up should be indicated as "15".

Menu Items

New – select this item before entering a new feedstuff to program.

Save – select this item after providing data for a new feedstuff or after making changes to one already entered.

Edit – to edit, select the feedstuff from the list and then type in correct values over the top of the existing values. Edits to nutrient analysis values should be done on a dry matter basis.

Input Sheets – a paper input sheet can be printed off by selecting Input Sheets-paper. This can be filled out by hand by another party and then entered into the program. By selecting Input Sheets-Excel an Excel spreadsheet formatted for data entry is invoked. Feeds can be pasted onto this sheet and entered automatically into the Feedlot Monitor by selecting the button on this Excel sheet. You will need to have Excel installed on your computer to use this. See Excel Setup listed at the beginning of this manual for information concerning how to allow permission for the Excel sheets to work.

Delete – to delete, select the feedstuff from the list and then select **Delete**. Deleting the feedstuff will delete all itemized records associated with the feedstuff as well. Do not delete feeds that have been fed to pens that you wish to summarize.

Inventory – select this item to list purchase entries for feedstuffs, make adjustments to inventory units, make adjustments to inventory prices or remove units from inventory. This selection will transfer you to the **Feed Inventory** screen.

Help – select this item to access this manual.

Quit – select this item to leave/close this screen.

Note that we have only identified the feeds that we intend on feeding so far. We still need to indicate inventory amounts and value. This will be covered in section C of Feed.

Feed

B –Rations

Explanation: Rations can be added once the feedstuff names and inventory have been entered. Prior to recording feed delivery to a pen a ration must be indicated. A ration may be fixed percentages of feedstuffs or if ration composition changes, add more rations as needed. The program can hold up to 32,000 rations theoretically. Delete rations only after lots are finished and when you are sure that no more updates to feeding periods are needed.

Navigation: SET UP – FEED – RATIONS

Or

UPDATE DATA – FEEDS+FEEDING PERIOD – FEEDING PERIOD –NORMAL (select ADD button next to Ration List)

Adding Rations
1. Go to SET UP – FEED – RATIONS

2. The screen (see next page) appears. Select NEW from the menu and provide a ration name.

3. Select the feeds involved from the drop down list boxes.

4. Indicate the **quantity** or **percent** of each feed in the mix on an **as-fed basis**.

5. Select SAVE from the menu.

Note that we can add rations when entering the Feeding Period data as well by selecting the ADD button next to the Ration List

Editing Rations

NOTE: You should not edit/change rations that you have fed to active pens in terms of ingredients or percentages of ingredients since if you need to make corrections the edited ration will not be accurate with what you already indicated as fed. In many cases it is best to create a new ration when adjustments are needed.

1. Go to SET UP – FEED – RATIONS

2. The ration screen appears. Select the ration that you wish to edit from the list and the data concerning that ration will populate the input boxes.

3. Make changes to the feeds or amounts as needed.

4. Select SAVE from the menu.

Ration Screen – data entered as total pounds fed during Feeding Period

| Rations | | | | | | | | | | | _ □ × |

New   Save   Edit   Batch Sheet   Input Sheets   Delete   Calendar   Print   RationList   Help   Quit

Record Number   41

Ration ID   15a-hf1-am

Calculate button>>>   ?   As-Fed Feed Amount

Feedstuff	alfalfa hay	22.9
Feedstuff	straw	22.9
Feedstuff	corn silage	50
Feedstuff	a-rumax-m-01	4.2
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0
Feedstuff		0

Ration list:
15a-hf1-am
15a-hf1-bn
15a-hf2-am
15a-hf2-bn
15a-st-am
15a-st-bn
15a-step1-am

41

Feed Dry Matter %	58.27
Cr.Protein %	13.30
Degradable CP %	73.39
TDN %	62.11
NEm Mcal/lb	.59
NEg Mcal/lb	.34
NFC %	24.05
Fat %	2.55
NDF %	59.80
eNDF %	79.73
Calcium %	1.08
Posphorus %	.27
Potasium %	2.13
Sulfur %	.17

$/ton DM   196.34   100.00

$/ton AF   Price$ 114.42

Ionophore gr/ton	28.83
Antibiotic gr/ton	.00
MGA gr/ton	.00
Beta Agonist gr/ton	.00

15a-step1-ar   15a-hf1-am   15a-st-am   15a-st-am   15a-st-bn

Deleting Rations

1. Go to SET UP – FEED – RATIONS

2. The ration screen appears. Select the ration that you wish to delete from the list and the data concerning that ration will populate the input boxes.

3. Select DELETE from the menu. You may delete a single ration selected from the list or you may choose to delete all rations currently not included in the recorded feeding periods on the feeding lots listed in the Feeding Lot list displayed when looking at the SETUP – LOTS area of program.

NOTE: You should not delete rations that you have fed to active pens of cattle since if you need to make corrections the deleted ration will not be there to allow recalculation.

Buttons on Ration screen

?

This button will calculate the nutrient content summary for the ration.

The plain gray button that appears next to the Total when adding a ration during the Feeding Period will automatically SAVE the ration and transfer the amount fed to the Feeding Period screen.

Menu Items

New – select this item before entering a new ration to program.

Save – select this item after providing data for a new ration or after making changes to one already entered

Edit – to edit, select the ration from the list, type in correct values over the top of the existing values and save.

Batch Sheet – can be used when a number of Feeding-Lots are receiving the same ration and will accept bunk reading scores to make the next day's feed call/formulation. (see following page for details)

Input Sheets – a paper input sheet can be printed off by selecting Input Sheets-paper. This can be filled out by hand by another party and then entered into the program.

Delete – to delete, select the ration from the list and then select **Delete**. Do not delete rations that have been fed to pens that you still wish to summarize.

Print-prints out details on selected ration based on feedstuff.

RationList - prints out details on up-to five selected rations at a time. Select the rations that you wish to view by 'clicking' the list (selected rations will appear along the bottom of screen), then select RationList from menu.

Help – select this item to access this manual.

Quit – select this item to leave/close this screen.

Batch Sheet Screen

By selecting BATCH SHEET on the Ration Screen menu bar the following screen will appear. This screen provides a tool for figuring the next feeding based on the previous day's amount delivered and subsequent bunk score. This screen may also be accessed by going to: UPDATE DATA – FEED+FEEDING PERIOD – FEEDING PERIOD - BATCH SHEET A

Select the ration you want to feed.

Select the Feeding Lot(s) that you want to feed the ration.

Type in Bunk Score after previous feeding will provide a percent increase for today's feeding as box is clicked.

The amounts to provide for today's feeding will load by selecting LOAD.

Feed Batch Report generated from the Batch Deliveries page.

Amount to mix

Amount to deliver to each Feeding Lot

Feed

C - Feed Inventory

Explanation: Once feedstuffs are identified the value of these ingredients is to be recorded in the inventory files. The amount of feed purchased or home raised and placed in inventory can also be indicated. It is optional to record feed quantities placed into inventory, but amount taken out will always be automatically recorded in the program's ledger. If you do not want to record quantities placed into inventory, provide the value per 1 unit of feed. Remember from the Feedstuffs section (A), the unit is whatever you indicate it to be for each ingredient (a ton, a 50 pound bag, etc).

Navigation: SET UP – FEED – FEEDSTUFF and select INVENTORY from the FEEDSTUFF menu.

Or

UPDATE DATA – FEED+FEEING PERIOD + FEED INVENTORY

Adding Feed to Inventory and Valuing Feed

Note - Do this prior to entering feeding period data or trying to remove feed from inventory!!!

1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEED INVENTORY.   (be sure that the feedstuffs were listed as described in section A)

2. Select blue option button ADD TO INVENTORY.

3. Select Feedstuff name from top list box that you wish to add.

4. If you will monitor all feed entering and leaving inventory select the blue check box INVENTORY KEPT. If you only wish to record feed leaving inventory/fed to lots do not check this box.

5. ------
   a. If Inventory is kept indicate the total units, and total value, date entering and origin of each entry and select SAVE from the menu.
   b. If inventory is not kept indicate the units as "1" and value of one unit. Then the date this feed was kept on hand and normal origin of feed. Select SAVE from menu.

Feed Inventory Screen when adding feed

Removing Feed

This procedure can be used to remove feed from inventory for any purpose besides feeding to the Feeding-Lots recorded in the program.

1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEED INVENTORY.   (be sure that the feedstuffs were listed as described in section A)

2. Select yellow option button REMOVE FROM INVENTORY.

3. Select Feedstuff name from top list box that you wish to work with and notice red boxes fill in when the top white input box is selected.

4. Indicate the total units removed.

5. The value of the units removed will be calculated automatically along with adding any storage fees that you may have indicated. If you want to over-write the calculated fees, type in the total value that you wish to charge for the total units removed.

6. Indicate the date of the transaction.

7. Indicate the destination of to where the feed went. If it went to a lot, select the lot name from the destination list, otherwise just type in the name of the destination.

Updating Feed Inventory

This procedure can be used to provide an updated feed inventory value for *price changes*, *dry matter* percent or *units* in inventory after unit reconciliation occurs.

1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEED INVENTORY.   (be sure that the feedstuffs were listed as described in section A)

2. Select yellow option button UPDATE INVENTORY.

3. Select Feedstuff name from top list box that you wish to work with and notice red boxes fill in when the feed from the list box is selected.

4. Indicate the total units in inventory, otherwise if incoming inventory is not kept type in a "1".

5. Provide the value per unit. Indicate the <u>new value **per** unit</u> if this is to be changed.

6. Indicate the new dry matter percent if this has changed. Otherwise leave as is.

7. Indicate the date of this update.

8. Select SAVE from menu.

Feed Inventory Screen when updating feed inventory

If Inventory check box is not checked indicate the New Units as "1" otherwise indicate the total units in inventory.

Note that if you originally start by not keeping inventory and then later want to keep inventory, indicate this change by adding a new feed and keeping inventory on this new feed rather than trying to change the existing feed and it's current accounting system to the new one. The same holds true if you want to quit keeping inventory on a feed – start a new feed and indicate that you will not be keeping inventory.

Correcting Feed $ Value

This is the procedure to use when the Feeding Period has been recorded but the price update was forgotten and now needs to be corrected. This procedure will fix the price from the date provided going forward through the last recorded Feeding Period.

1. Go to SET UP – FEED – FEEDSTUFFS or UPDATE DATA– FEED + FEEDING PERIOD – FEED INVENTORY.   (be sure that the feedstuffs were listed as described in section A)

2. Select blue option button CORRECT $ VALUE.

3. Select Feedstuff name from top list box that you wish to work with and notice red boxes fill in when the top white input box is selected.

4. Indicate the correct <u>value **per** unit</u>.

5. Indicate the date of the correction should start to take place.

6. Select the feeding-lot that the correction should be applied to

7. Select SAVE from menu.

8. If you need to make another correction, repeat the process. Be sure to start with the earliest date and work your way to the most current as you make multiple price changes for a given feedstuff. Note that each Feeding-Lot is corrected independently from the others. Therefore if multiple Feeding-Lots need a price correction keep repeating Steps 6 and 7 just mentioned until finished.

Feed

D - Feeding Periods

Explanation: The entry of the Feeding Periods is at the heart of concept of monitoring feedlot performance and allowing for the immediate calculation of breakeven values and eventual billing invoices and closeouts. A Feeding Period can be a day or a number of days in length. The requirement is that actual feed deliveries be recorded going to each Feeding-Lot.

Navigation: UPDATE DATA – FEEDING PERIOD - NORMAL

Or

   ANALYSIS REPORT – MANAGEMENT – FEED - FEEDING PERIODS

Adding Feeding Periods – Method #1

Note that there are 2 methods for Feeding Period entry.

Note that Feeding Periods can be any number of days in length and no longer need to be started or stopped when head counts change in pen as was the case with the previous versions of the Feedlot Monitor.

1. Go to UPDATE DATA–FEEDING PERIOD - NORMAL.

2. Select Feeding-Lot involved from drop-down menu.

3. Indicate the last day (date) of the feeding period being entered. The program will automatically bring up a date based on the length of the last feeding period. Overwrite this default date when necessary.

4. Select ration fed from the Ration #1 drop down menu. If the ration has not been added already in the SET UP –FEED-RATIONS area of program, select the ADD button and add ration at this time.

5. Provides pounds of ration #1 that were delivered during the specified feeding period.

6. If two unique rations were provided in a day or if a ration is given with an additional feed like hay the second ration input can also be used. Select the appropriate item from the Ration #2 list and then provide the pounds of this second ration delivered during the feeding period.

7. The facility that the cattle occupied during the feeding period can then be changed/selected if necessary.

8. A maintenance ratio will appear automatically based on the time of year. This value can be over written with your own estimate or calculated by selecting the "**?**" button. Note that weather data entered into the program will be used by the program to automatically calculate the Maintenance Ratio.

9. An estimate of feed waste at the bunk can then be indicated as a percent of estimated feed wasted. An input of "2" - 2% waste. (this is used to get a better projection of weight gain, all other calculations use the total feed provided)

10. Provide a yardage charge per head per day. The value of yardage can be defined when the facility is entered and it will automatically appear here. You may change this value whenever necessary.

11. The other inputs are optional.

12. Select SAVE from the menu. The new projected weight appears in the output area of screen.

13. You may see all the feeding data recorded and summarized by selecting VIEW from the menu.

Note that if you have already entered the Feeding Period and then entered some other nonfeed cost or if the number of head in the Feeding-Lot has changed since the Feeding Period has been entered hat you select RECALCULATE from the menu bar.

Screen used to enter feeding period data

Select Feeding Lot

Indicate the date of the last day of the Feeding Period.

Select up to 2 rations for a given Feeding Period and indicate the pounds fed.

Modify inputs as needed.

Outputs will appear after the Feeding Period has been SAVED.

Buttons

?

This button will bring up the Weather and Maintenance screen (shown below). Single Day Weather data can be recorded on this screen and saved and with this data, if the cattle characteristics and yard conditions are recorded, a maintenance ratio can be calculated for the feeding period. Note that this Maintenance Ratio is calculated by default based on normal, average, monthly data recorded in the SET UP ENVIRONMENT screen or if done prior to entering a Feeding Period, the weather station weather data is used.

Data can be added to this screen and a Maintenance Ratio can be calculated for the Feeding Lot currently being recorded on the previous screen.

Once data is provided hit the MAINTENANCE RATIO button at the bottom to transfer the MR to the Feeding Period screen. You can select SAVE to record the weather data to file now or just QUIT.

next

After a Feeding Period has been recorded on a selected Feeding-Lot, use this button to advance to the next Feeding Period for this same Feeding-Lot and enter in that data.

add

Use this button to add a new ration to the list in the ration selection area or in the facility area, use this add button to add another facility to the Facility list.

The plain gray button will add and move the two numbers in "red" into the Yardage Charge box. These two red numbers are the facility yardage charge indicated when the Facility was set up and the one below would be the additional yardage for Fixed Costs not included with the Facility Yardage if the Fixed costs are calculated separately and recorded in the SET UP – FIXED cost area.

date

The DATE button will open a calendar that allows you to pick the date rather than having to type it in above.

Display every ☐ **record (s)**

The display is not a button, but an input that indicates how many records will ultimately appear when viewing data (selecting VIEW from menu). If you provide a "1", every record will show. If you provide a "10", every tenth record will show.

Inputs

> **Feeding-Lot -** is the name of the Feeding-Lot that you wish to provide Feeding Period data. Select from drop down list. This Feeding-Lot is to be originally recorded in the SET UP – LOTS area.
>
> **Ration #1 & Ration #2 –** one or two rations can be selected for a given feeding period. Rations can be added by providing information in the SET UP – FEED – RATIONS area or by selecting the ADD button by these lists.
>
> **Facility –** the facility that was recorded with the last feeding period will show up by default. Select the current facility if cattle were moved. Facilities are to be added to the list by selecting the ADD button or through the SET UP-FACILITIES area.
>
> **Current Period-** indicate the last day of the feeding period being recorded here. Note that a default date appears based on the days in the last feeding period.
>
> **Feed Delivered (rations 1 & 2) -** supply the quantity of ration provided for Ration #1 (and then #2 if two rations are fed) in total pounds delivered over the feeding period.
>
> **Maintenance Ratio –** is the adjustment from normal animal maintenance requirements due to some sort of "stress". A value of "1.10" would indicate a 10% increase in maintenance requirement for instance. The program will provide an estimate of this value based on Iowa seasonal temperatures. If the estimate does not seem correct, provide your own estimate or use the "?" button to calculate this value with current weather and yard conditions.
>
> **Bunk Waste% –** supply the estimated percent of feed lost in delivery or by cattle at the bunk. This value is used to adjust weight gain.

Average Yardage – is the charge for fixed and nonfeed variable costs associated with the yard that are similar for any Feeding-Lot placed on feed. You will probably want to record those cost such as processing, veterinary treatments, etc that could vary from one feeding-lot to another in the Nonfeed Variable cost area of the program.

Bunk Score – is an optional input that can be indicated. A score of "0" indicates a slicked bunk while a value of "4" would indicate a bunk of feed that has not been or is barely touched.

Water Use – is an optional input where the total gallons of water disappearance in the drinking fountains can be indicated.

Mud Score - is an optional input where 1 is clean and 4 indicates an animal covered with mud or manure.   Higher mud scores with cool weather increase maintenance requirements

Outputs

Previous Period -   are the dates of the last recorded feeding period.

Current Weight – is the live weight of the cattle in Feeding-Lot selected at the start of the feeding period. The program projects weight gain as an empty or shrunk weight gain.

Head– the number of head on feed in the lot at the beginning of the feeding period.

New Weight- is the shrunk live weight at the end of the feeding period after SAVE is selected from menu.

Period ADG- is the shrunk live weight gain during the current feeding period.

Period F:G- is the feed dry matter conversion to shrunk live weight gain during the current feeding period.

Feed $/lb Gain – is the feed cost per pound of shrunk live weight gain during the current feeding period.

NFV $/lb Gain – is the nonfeed cost per pound of shrunk live weight gain during the current feeding period.

DMI – is the feed dry matter intake during the current feeding period.

AFI – is the feed intake (as fed or as provided) during the current feeding period.

$/ton DM – is the feed ration cost per 2000 pounds of dry matter during the current feeding period.

$/ton AF– is the feed ration cost per 2000 pounds of ration as provided during the current feeding period.

Heat Index – is calculated if the temperature and moisture data is provided.

Menu Items

> **Save** – select this item after providing data for a new or updated feeding period to save data to data base.
>
> **Recalculate** – you will need to use this frequently. Do so prior to calculating a Feed Bill or Closeout on the Feeding-Lot. When doing select:
>
> **Fix Data** – use this if you made a mistake on the ration fed, the amount of feed delivered or if you need to make an adjustment to the maintenance requirement, bunk score or the cattle weight at the end of the given feeding period. Note that if you make a mistake with the dates of the feeding period, that mistake can only be fixed by deleting the entire feeding period and re-entering it.
>
> **Delete** – is used to remove the last entered feeding period on the selected feeding-lot. If you need to remove an earlier feeding period, continue selecting DELETE until the feeding period is removed, then re-enter those periods that were deleted. Generally you will need to delete Feeding Periods if the dates are wrong. If the amount fed is wrong or if you wish to use a different yardage charge, waste estimate, ration or waste; select FIX DATA.
>
> **View** – select this item to view on the screen or on paper or in Excel, the feeding periods recorded on the selected feeding-lot.
>
> **Input Sheets –** select this item to generate paper printouts that you may want to use for recording Feeding Period data.
>
> **Help** – select this item to access this manual.
>
> **Quit** – select this item to leave/close this screen.

Adding Feeding Periods - Method #2

The way just described for entering Feeding Periods is the standard way. There is also another way that is a little quicker and designed for a number of Feeding-Lots receiving the same ration/batch.

1. Go to UPDATE DATA– FEED + FEEDING PERIODS –FEEDING PERIOD – BATCH SHEET B.

2. Select the Reference Ration that you want to feed from drop-down menu.

3. Indicate the date of the feeding period being entered (starting and ending).

4. Indicate the batch name being fed (this is necessary if you can not be precise in adding feed to the pound as your target recipe would indicate). If you are able to load and deliver to the specified pound type in the ration name in the Batch Name input.

5. Indicate the total size of the batch in pounds.

6. With the white input boxes to the side indicate the actual pounds of each ingredient loaded.

7. In the lower section, select the Feeding-Lot and indicate the weight of the batch delivered to the Feeding-Lot along with any change in Maintenance Ratio or Yardage Charge.

8. You may provide the same information for 4 Feeding-Lots at a time if they are all receiving the same ration/batch.

9. Select SAVE from the menu. This will automatically add the Feeding Period to the specified Feeding-Lot(s).

10. Corrections to errors in data entry or deletions should be taken care of on the screen described in Method #1.

Alternative method for Feeding Period data entry

Works well with daily Feeding Period entry and when a number of Feeding Lots receive the same ration / batch.

Select SAVE from menu to enter and save Feeding Periods.

```
Batch Sheet
Date 07/09/2014 Batch Name f314 7 9
Feed            Desired     Amount Scale    Actual Amount
_____
cornsilage-m    2176.7      2176.7          _____
distiller gr    1814.0      3990.7          _____
grower miner    181.4       4172.1          _____
corn- dry       3627.9      7800            _____


Feeding-Lot     Target      Actual      Yardage      MaintRatio
_____
11 ste 13       4600        _____  _____  _____
jan 14          3200        _____  _____  _____
                            _____  _____  _____
                            _____  _____  _____
                            _____  _____  _____
```
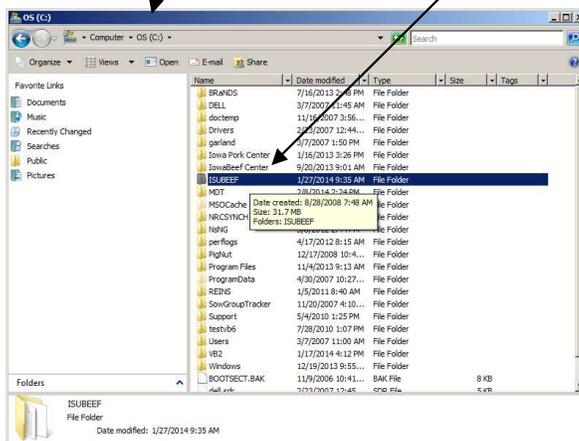
Batch Sheet that is made when PRINT is selected from menu.

Method #3 - the Excel Feed Input Sheet:

1. The Excel FP Template should be located in the ISUBEEF directory. *(It should load here automatically when program is installed.)*

   Note that the "C" drive is opened and the ISUBEEF folder is located. Copy and paste this template into this folder I it is not there already.

2. Open template by selecting UPDATE DATA – FEEDING PERIOD – EXCEL INPUT

3. Choose the template sheet that best describes how you need to enter data:
   a. AM / PM feeding one batch delivered to one Feeding Lot
   b. Once a day feeding with one batch delivered to one Feeding Lot
   c. AM/PM feeding with one batch delivered to multiple Feeding Lots
   d. Once a day feeding with one batch delivered to multiple Feeding Lots

With One Batch – One Feeding Lot mixes

1. Select the Template sheet labeled 1pen…………
2. Select the Feeding Lot from the dropdown list that the feeds were delivered. Note that the first day of the feeding period should appear in the date box automatically. Check other inputs at top. (select LOAD LIST) to load the data on the drop down list if they are empty).
3. Paste in values from your records or scale download. Use PASTE SPECIAL – VALUES option when you copy and paste.

First Day entered   One Feeding Lot – One Batch options

4. You may place as many days worth of feed in the chart as you wish. When the SAVE button is selected the program will combine each 7 days worth of feed into a batch / ration and save this as a feeding period for the selected Feeding Lot.
5. After the program runs the sheet is cleared automatically and you can paste in another listing of data for another Feeding Lot.
6. When you are done, close the template. Go to the Feedlot Monitor and run UPDATE DATA – FEEDING PERIOD – NORMAL. Select the Feeding Lot and then select RECALCULATE from the menu to compile all the feed data with the other costs.
7. Note that the 'FlexBatch' tab can be used to record multiple batches delivered to pens on days indicated (the number is not fixed and can vary each day). Be sure to provide date information in sequential order.

With One Batch – fed to Multiple Feeding Lot mixes

1. Select the Template sheet labeled Batch…………
2. Select the Feeding Lots from the dropdown lists that the feeds were delivered to. Note that the first day of the feeding period should appear in the date box automatically. Check other inputs at top. (select LOAD LIST) to load the data on the drop down list if they are empty).
3. Type in the Total amounts of the batch that was delivered each day. Note if 2x a day feeding is used select the 2x input sheet.

4. Now indicate the amounts of each feed put in batch. Paste this data into sheet from your feed wagon scale output if it can print to a spreadsheet format or type it in.
5. Select SAVE from the menu. Note that you can put in as many days worth of feed as you wish and the program will combine each 7 days worth of feed into a feeding period.

Select the Batch Tab

Scroll to right of screen

Select the Feeding Lots that received the batch by scrolling to the right of the screen and picking the lot names from the drop down lists. Note if the lists are empty, select the LOAD LISTS button on the left side of screen.

Provide the delivery weights to each Feeding Lot

Scroll back to left to where the individual feed ingredients are listed.

Paste in the amounts mixed in the batch each day.

Select SAVE to make the 7 days Feeding Periods. The list will clear when the data is saved

Go back to the Feedlot Monitor program in the UPDATE DATA – FEEDING PERIOD – NORMAL area. Select the Feeding Lot and then RCALCULATE to compile the feed data just entered with the other costs.

Note that errors can be fixed by choosing to delete the just entered feeding periods by selecting the DELETE menu item in the UPDATE DATA – FEEDING PERIOD – NORMAL area and re-entering the data or choosing the Fix Data item from the same menu for minor errors. Each time DELETE is selected from the menu the last entered feeding period for the selected Feeding Lot is removed. To remove that last 3 feeding periods, select DELETE 3x for instance.

View, Edit, Update Feeding Periods

After Feeding Period data is entered it may be reviewed by selecting VIEW from the Feeding Period screen menu. The outputs are explained below. If you see a problem with a Feeding Period, consider the following:

- **Date is wrong:** If there is an error in the Feeding Period Date, you will need to return to the Feeding Period screen and select DELETE from the menu. This will take out the last Feeding Period and you may then re-enter with the correct dates. If you need to go back into earlier Feeding Periods, you will need to delete the Feeding Periods back to where things went wrong and re-enter all deleted Feeding Periods with the correct dates.
- **Ration or MR or Yardage or Facility was wrong:** If a mistake occurs in any of these areas you may fix the problem by selecting UPDATE from the screen showing the Feeding Period. Then select FIX DATA from the Feeding Period screen, type the record number of the record in error and provide the correct data. Select SAVE and then RECALCULATE.

UPDATE – used to fix feed delivery, ration name, facility name, MR and yardage errors.

After UPDATE was selected, the Feeding Period screen comes up. Select FIX DATA and enter the Record Number of the record in error.

When you click off this box, the data from that Feeding Period loads and you may fix the mistake now and SAVE.

IF THE DATES ARE IN ERROR, YOU NEED TO DELETE AND RE-ENTER the FEEDING PERIOD

Output (Feeding Period Summary)

Record Number – program generated number indicating the feeding period number for Feeding-Lot.

Start Date – first day of feeding period.

End Date – last day of the feeding period.

Days On Feed – number of days the lot has been on feed at the end of the recorded feeding period.

Weight – estimated shrunken live weight of the cattle in the Feeding-Lot at the end of the feeding period.

ADG – average daily gain during the feeding period.

F:G – feed to weight gain conversion during the feeding period.

AFI – as fed feed intake per head per day during feeding period.

DMI – dry matter feed intake per head per day during feeding period.

% DM – ration percent dry matter during feeding period.

Intake Ratio – actual dry matter intake divided by book-estimated dry matter intake during feeding period. Used as a point of reference.

DMI:BWt – dry matter intake divided by body weight multiplied by 100 during feeding period. The percent of intake relative to body weight.

$ Feed/lb Gn – feed cost per pound of weight gain during feeding period.

$ Total/lb Gn – total cost per pound gain during feeding period.

$ Interest/lb Gn – interest cost per pound of weight gain during feeding period.

$ BrkEvn/cwt – breakeven value of cattle in Feeding-Lot at the end of the feeding period on a per hundred weight basis.

NE g Mcal/lb – net energy content of ration fed in mega calories per pound during feeding period.

MP Ratio – metabolizable protein ratio during feeding period. A value greater than "1" would indicate excessive protein. A value less than "1" would indicate protein deficiency during feeding period.

DIP Ratio – use if MP ratio is less than "1". If MP is less than "1" and DIP is less than "1" a rumen degradable protein should be incorporated in ration. If MP is less than "1" and DIP is greater than "1" a rumen by-pass protein should be used to fill MP requirement.

% CP – percent crude protein in ration fed during feeding period. MP is a better gauge than %CP of protein status.

N:S – nitrogen to sulfur ratio in ration fed during feeding period. A 13:1 ratio is about optimum.

% S – percent sulfur in ration fed during feeding period. With rations containing high levels of eNDF the sulfur level can be increased above 0.4%. For high grain diets, a value less than 0.4% is recommended.

% Ca – percent calcium in ration fed during feeding period.

% P – percent phosphorus in ration fed during feeding period.

% K – percent potassium in ration fed during feeding period.

% Fat – percent fat in ration fed during feeding period. This value should generally be kept below 6 percent.

% NFC – percent non fiber carbohydrate in ration fed during feeding period. This value should be monitored since it will indicate acidosis potential.

% eNDF – percent effective neutral detergent fiber. A Penn State shaker box can be used to estimate this. Generally this value can be reduced to 9% in feedlot cattle once adjusted to ration.

mg/hd Ionophore – ionophore level in milligrams per head per day during feeding period.

mg/hd Antibiotic – antibiotic level in milligrams per head per day during feeding period.

mg/hd MGA – melengestrol acetate level in milligrams per head per day during feeding period.

mg/hd B-Agonist – beta agonist level in milligrams per head per day during feeding period.

Bunk Score – bunk score during feeding period. 0 - slicked bunk, 5 - feed untouched.

Maintenace Ratio (MR) – adjusts maintenance energy allocation from normal calculated value during feeding period. A value greater than "1", for instance 1.10 would increase the quantity of energy used for maintaining the animal by 10%.

Thermal Index – a thermal index value during feeding period is calculated if temperature and humidity data is provided.

Mud Score – dirtiness of animals in lot during feeding period. 0 - clean, 5 - covered with manure.

Water Gal/Hd – water intake per head per day based on water disappearance.

Facility – the facility that the cattle occupied during feeding period.

Ration 1 – ration fed during feeding period.

Ration 2 – name of a second ration fed during feeding period.

Lbs.N Excreted – total nitrogen excreted by animals in Feeding-Lot during feeding period. Gas losses are not taken into account.

Lbs.P Excreted – total phosphorus excreted by animals in Feeding-Lot during feeding period.

Lbs.K Excreted – total potassium excreted by animals in Feeding-Lot during feeding period.

Lbs.S Excreted – total sulfur excreted by animals in Feeding-Lot during feeding period.

Carcass Wt. – probable average carcass weight at end of feeding period.

Carcass Wt. St.D. – estimated standard deviation of carcass weights for Feeding-Lot.

Rib Fat inches – if ultrasound data is provided on Feeding-Lot – probable estimated average rib fat of cattle in Feeding-Lot.

Carcass Wt Breakeven – total input cost divided by carcass weight. Carcass weight is estimated based on live weight, days on feed and the DMR value. The estimate is inaccurate in situations where the DMR (DMI/live weight) is erratic due to unstable health and subsequent DMI.

Batch Mix Error – The average percent mixing error value. This value is generated when using the Excel Input Template, or Batchsheet B or the Android feed app to input feeding period information. It is calculated as the average percent error of each ingredient in terms of what was added divided by what was called for.

Pulls – number of sick pulls/treatments from yard during feeding period.

Deads – number of dead animals during feeding period.

Current Head – number of head in Feeding-Lot at end of feeding period.

Head Days – number of head days recorded for Feeding-Lot during feeding period.

$ spent – total dollars invested into Feeding-Lot in the present feeding period.

$ received – total dollars received by Feeding-Lot in the present feeding period.

Lbs. in – for animals entering the Feeding-Lot, this would be the incoming weight of animals added during the feeding period.

Lbs. out – for animals sold, this is the weight of animals sold from Feeding-Lot during feeding period.

Custom Printing Feeding Period Reports

The VIEW menu command that was just spoke of in the previous section provides three display option; the screen shot, to an Excel spreadsheet and to the printer. The printer report can be customized to fix your specifications. To make a custom report:

1. Select VIEW – PAPER

2. The Feeding Period Summary screen will appear. You may choose from the menu the PRINTER SET UP in order to specify whether the data should be printed *landscape* or *portrait* style and then pick your default printer or select *PDF* creator as the default to create a PDF document for emailing or filing. **Note** you will need to have PDF creator software installed to do this PDF document.

3. You may choose from menu to print the DEFAULT PRINTOUT or you may do the CUSTOM PRINTOUT after specifying what will be printed.

4. Specify the custom printout by "clicking" the topics from the Item List that you want to show.

5. As you select these items they will appear on the Page 1 list and you may make a second page by selecting the Page 2 list option followed by more Item List selections.

6. Select CUSTOM PRINTOUT when done. This will SAVE your settings and print the report. These settings will stay in place unless you change them. To change them, select the CLEAR button under the Page 1 or 2 list and then reselect the Items.
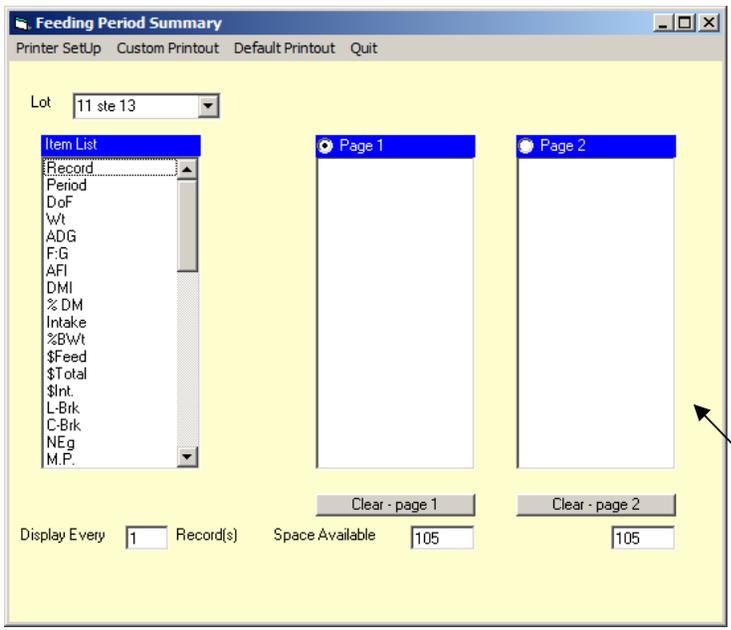
Screen before making any specifications or custom printout.
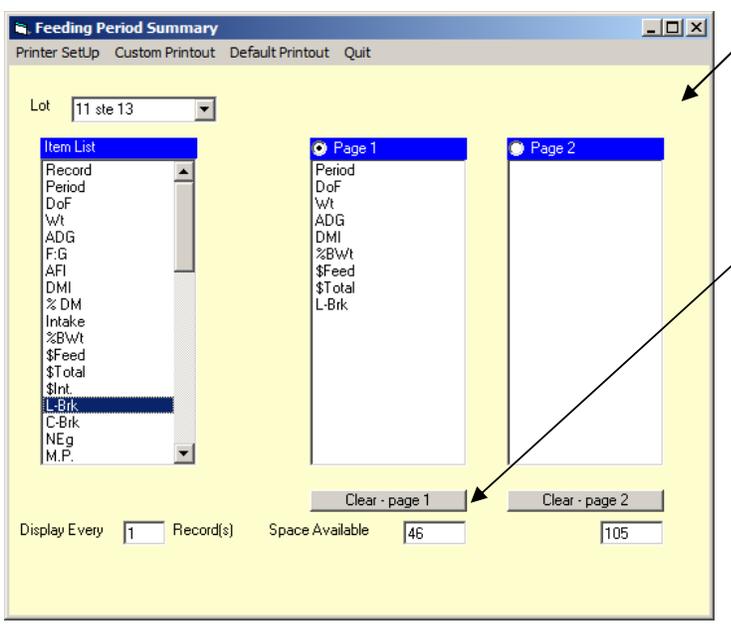
Screen after making specifications for custom printout. Note this is only a 1 page report.

The number indicates how much data field space you have left to add other items to the page.

FEED

E –Reports

Explanation: The Analysis Reports area allows itemized feed records to be reviewed and edits to be made. Every time a feed is fed in a Feeding Period an itemized record of the event will be recorded.

Navigation: MAIN MENU - ANALYSIS REPORTS – ACCOUNTING – FEED

Or

From Feed Inventory screen – VIEW

Screen used to generate Feed Reports

Data can be sorted by Feeding Lot, Dates (starting, ending or both) and the feedstuff itself.

Itemized Feed Records

1. Go to - ANALYSIS REPORTS – ACCOUNTING – FEED

2. Select the feed ingredient from the Feedstuff list that you wish to view itemized records.

3. Select VIEW RECORDS from menu. (dates and Feeding-Lot can be used to specify records further)

```
Feed Inventory
Update  Delete     Quit

   corn- dry
      Units Used:           465.3      $+Markup:    2,791.67  $/Unit:  6.00

Record          Date       Origin        Units      $ Amount    $/unit

26              12/01/2013 11 ste 13       -20.76    -124.58 6.00
27              01/01/2014 11 ste 13       -46.07    -276.41 6.00
28              02/01/2014 11 ste 13       -45.42    -272.51 6.00
29              03/01/2014 11 ste 13       -51.91    -311.44 6.00
30              04/01/2014 11 ste 13       -70.60    -423.59 6.00
31              05/01/2014 11 ste 13       -67.28    -403.65 6.00
32              06/01/2014 11 ste 13      -134.55    -807.31 6.00
33              07/02/2014 11 ste 13       -28.70    -172.18 6.00
```

Feed Use Summary

1. Go to - ANALYSIS REPORTS – ACCOUNTING – FEED

2. Select the Feeding-Lot that you wish to view the summary.

3. Select VIEW SUMMARY from menu. (dates can be used to specify records further)


```
Feed Inventory - Summary
    Quit

   11 ste 13

                        Total Value$ 6011.4

   Inv. Feedstuff      Units       $ Value   Lbs/Unit  Lbs.     $/Unit.

1  n   orchard gras     0.35        19.07   2,000.0      693    55.00
2  n   distiller gr     8.86     2,126.73   2,000.0    17723   240.00
3  n   corn- dry      465.28     2,791.67      56.0    26056     6.00
4  n   grower miner    25.16       503.25      50.0     1258    20.00
5  n   cornsilage-m    11.41       570.63   2,000.0    22825    50.00
```

Updating Feed Records

1. View results as mentioned above and select UPDATE from the menu.

2. Provide the Record Number, listed in front of the record on the screen printout to recall the record that you wish to update or correct.

3. When the Record Number input box looses focus the record's data will load automatically.

4. Provide the correct information and SAVE.

Deleting Feed Records

1. View results as mentioned above and select DELETE from the menu.

2. On the screen that appears. Indicate the Record Number that you wish to delete.

3. Select the DELETE RECORD button on this utility screen to permanently delete the record.

NOTE a series of records can be deleted as well. If you want to delete a series, indicate the starting and ending record numbers and select the DELETE RECORDS button. All records between the 2 record numbers listed will be permanently removed. Be careful when doing this since some of these records between the starting and ending values may be associated with another lot and should be preserved.

Screen used to delete records

FEED

Troubleshooting

Most of the errors associated with feed are caught when viewing the Feeding Period Summary (p 92) or when the Billing Invoice is calculated in Custom Feeding situations as will be discussed later in this document. After doing any of the corrections mentioned below be sure to:

1. Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

2. Select the affected Feeding-Lot.

3. Select RECALCULATE – RECALCULATE WITH CORRECTED FEED PRICES.

If projected weight gain is too low or too high

Usually the percent dry matter of the feed or the energy values of the feedstuffs is wrong.

1. Go to the UPDATE DATA – FEED+FEEDING PERIOD -FEEDSTUFF screen.

2. Select each feed that was used and look at the dry matter, Net Energy (PAY ATTENTION TO DECIMAL POINTS) and other values.

3. Make corrections and SAVE.

If cost per pound of gain is wrong or the unit price for an individual feed is wrong or has not been updated

1. Go to UPDATE DATA – FEED+FEEDING PERIOD – FEED INVENTORY.

2. Select the feedstuff from the list and look at the current price per unit.

3. If it needs fixing, select the CORRECT $ VALUE option and type in the correct price per unit.

4. Select the affected Feeding-Lot and provide a date that this price should take effect.

5. SAVE. Note that all prices for the selected ingredient for the selected lot will be corrected from the date given to the current time.

Feeding Period Dates are wrong

1. Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

2. Select the affected Feeding-Lot.

3. You will need to delete the Feeding Periods back to where the dates are correct and then re-enter the data with the correct dates. Therefore select DELETE from the menu and this will remove 1 Feeding Period at a time starting with the last Feeding Period entered. Select DELETE again to remove the second to last Feeding Period, etc.

Wrong ration selected or Maintenance Ratio or Yardage or Facility or Feed Waste

1. Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

2. Select the affected Feeding-Lot and then VIEW - SCREEN.

3. Find the Feeding Period with the problem and then select UPDATE from the menu.

4. The screen used to enter Feeding Periods appears now, type in the Record Number of the Feeding Period with a problem and type in the correct information

5. SAVE

Ration is wrong formulation

1. Go to the SET UP – FEED – RATION area.

2. Select the ration with a problem and then provide the correct formulation.

3. Now Recalculate the Feeding Periods - Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

4. Select the affected Feeding-Lot and then RECALCULATE – RECALCULATE WITH CORRECTED FEED PRICES.

Costs

Venders (Suppliers)

Explanation: This is optional, but by setting up these names, which can be done at anytime, a consistent vender name can be attributed to purchases that later makes summary reports a much simpler process.

Navigation: SET UP – VENDER

To Provide Data (add buyers to list):

1. Go to the SET UP – SALE OUTLET area of program.

2. From the Buyer List screen menu choose NEW and then provide the data.

3. When the data on a sale outlet is provided select SAVE from the same menu and the buyer should appear on the list at the bottom of the screen.

To Update or Edit Data:

1. Go to the SET UP – SALE OUTLET area of program.

2. From the Buyer List screen select the sale outlet from the list at the bottom of the screen that needs attention (click with mouse and the existing data on buyer should load automatically).

3. Make corrections and select SAVE from menu. The buyer name will be updated on all existing income records to the new name if the name is edited.

To Delete a Sale Outlet:

1. Go to the SET UP – SALE OUTLET area of program.

2. From the Buyer List screen, select the sale outlet from the list at the bottom of the screen that needs to be removed *(click with mouse and the existing data on buyer should load automatically)*.

3. Select DELETE from the Buyer List menu bar.

Vender List screen with sample data

Inputs

> **Record Number** - value used by the program to identify selected venders for updating or correcting associated data. This value appears when the vender is selected from the list. This will not appear when adding a new vender.

> **Buyer's Name** - User defined name given to the vender. Limit length to 15 spaces.

Option Buttons

> **Cattle, Noncattle, Both** – select if the vender is specific for cattle, noncattle or either type of sale.

Menu Items

New - Select this item prior to inputting a new vender.

Save - Select this item after providing data on a new vender or after updating data on a vender that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – a paper or Excel input sheet can be generated from here. The Excel sheet allows a great number of venders to be added at once. The paper sheet is mainly for providing to an operator to write down the various venders in situations where the actual data entry is done by someone else.

Delete - After an item from the list is selected, this will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected will exit and close the current screen.

Costs

Vender Reports

Explanation: This area allows a search and reporting function delivering a summary of where money was spent. The Vender Report provides a summary from those items listed on the Vender list established in the Set Up area of program. A breakdown by category is generated. Feeds, Cattle, Custom Feeding and Other Income are the general categories. Data can be sorted by Vender, Feeding-Lot and/or date incurred.

Navigation: ANALYSIS REPORTS - ACCOUNTING – VENDER REPORT

Vender Report

Print Summary   Quit

Date Starting:

Date Ending:

dyersville	bedding
brumfield	board of trade
j&r cattle	cattle
kentucky	chute
springfield	commission
waukon	drugs

* A starting and an ending date can be added above to limit the number of records displayed. If no dates are provided all records are shown.

A time period, and/or a Vender, and /or an actual cost source can be selected and used to sort report data.

Select VIEW SUMMARY to get report below.

Refer back to itemized records if something looks wrong.

Vender Report

Quit

	Vender	$ Total	$ Feed	$ Cattle	$ Drugs	$ Other Costs
1	dyersville	11,000.00	0.00	11,000.00	0.00	0.00
2	brumfield	337,758.90	0.00	267,362.30	0.00	70,396.65
3	j&r cattle	45,868.26	0.00	45,541.45	0.00	326.81
4	kentucky	339,502.00	0.00	339,502.00	0.00	0.00
5	springfield	104,194.00	0.00	104,194.00	0.00	0.00
6	waukon	149,036.60	0.00	149,036.60	0.00	0.00
7	home	862.00	562.00	0.00	0.00	300.00
8	farm help treated	120.00	0.00	0.00	0.00	120.00
9	dr. doolittle	50.00	0.00	0.00	0.00	50.00

Costs

Define Nonfeed / Noncattle Costs

Explanation: This area allows the names of the nonfeed/noncattle costs tracked by the feedyard to be indicated. Once added in the SET UP area, the names can be selected from a drop down list to indicate when they are involved in a lot or sort data for reports. These costs factor into the breakeven value based on the date entered. *Interest, yardage, disposal_dead, med_treatment, processing* and *cattle* costs do not need to be identified.

Navigation: SET UP – NONFEED COST

To Add a Cost Category Name (identifying the costs that will be recorded)

1. Go to the SET UP – NONFEED COST area of program.

2. From the Nonfeed Cost screen menu choose NEW and then provide the name of the cost item.

3. When the data on a cost is provided select SAVE from the same menu and the cost should appear on the list at the bottom of the screen.

To Update or Delete Data an Income Name

1. Go to SET UP – NONFEED VARIABLE

2. From the Cost List select the item that needs attention (*click with mouse and the existing data on cost should load automatically*).

3. Make corrections and select SAVE from menu. The itemized records recorded under this name, if the name itself is changed will also be changed to the new name. If you want to permanently remove the item from the list select DELETE from the menu.

NOTES:

1. Processing, med_treatment, interest, disposal_dead and yardage cannot be updated or deleted.

2. Do not delete an Cost Name if you have recorded data under that name title.

3. You may change the Cost Name if needed and all records recorded under that title will update as well.
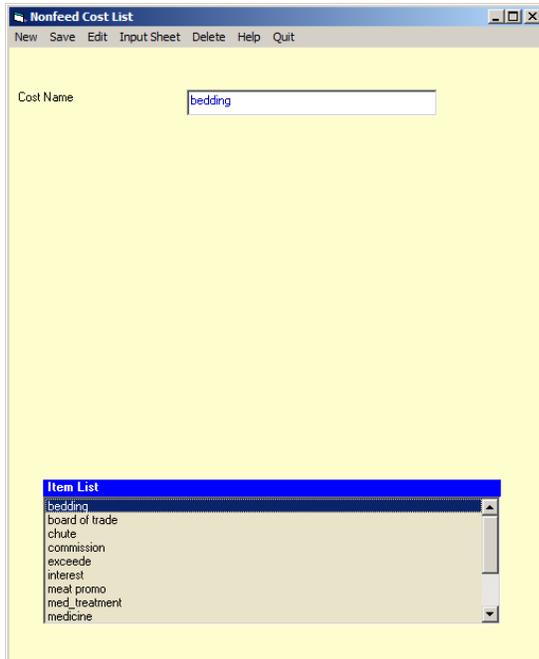
The costs listed will vary depending on operation. List the costs that are tracked in your operation.

NOTE: There are a number of Nonfeed Costs that are preloaded with the program. These can be used as they are. You may add to this list. Also note that the INTEREST, MED-TREATMENT, PROCESSING, YARDAGE and DISPOSAL_DEAD are preloaded and used by the program apart from the user's direct input. These costs cannot be deleted or edited like the others on the list.

Excel Input

The above procedure allows entry on one cost at a time. If you wish, you can use the attached Excel input sheet to enter up-to 25 nonfeed costs at one time. To do this:

1. Go to the SET UP – NONFEED COST area of program.

2. From the Nonfeed Cost screen menu choose INPUT SHEET - EXCEL.

3. When the Excel sheet appears type the cost name in the appropriate column.

4. Select the Save button on the Excel spreadsheet to save the data to the Feedlot Monitor and close the spreadsheet.

5. If everything worked you should see the cost names on the cost list of the Nonfeed Cost screen now.
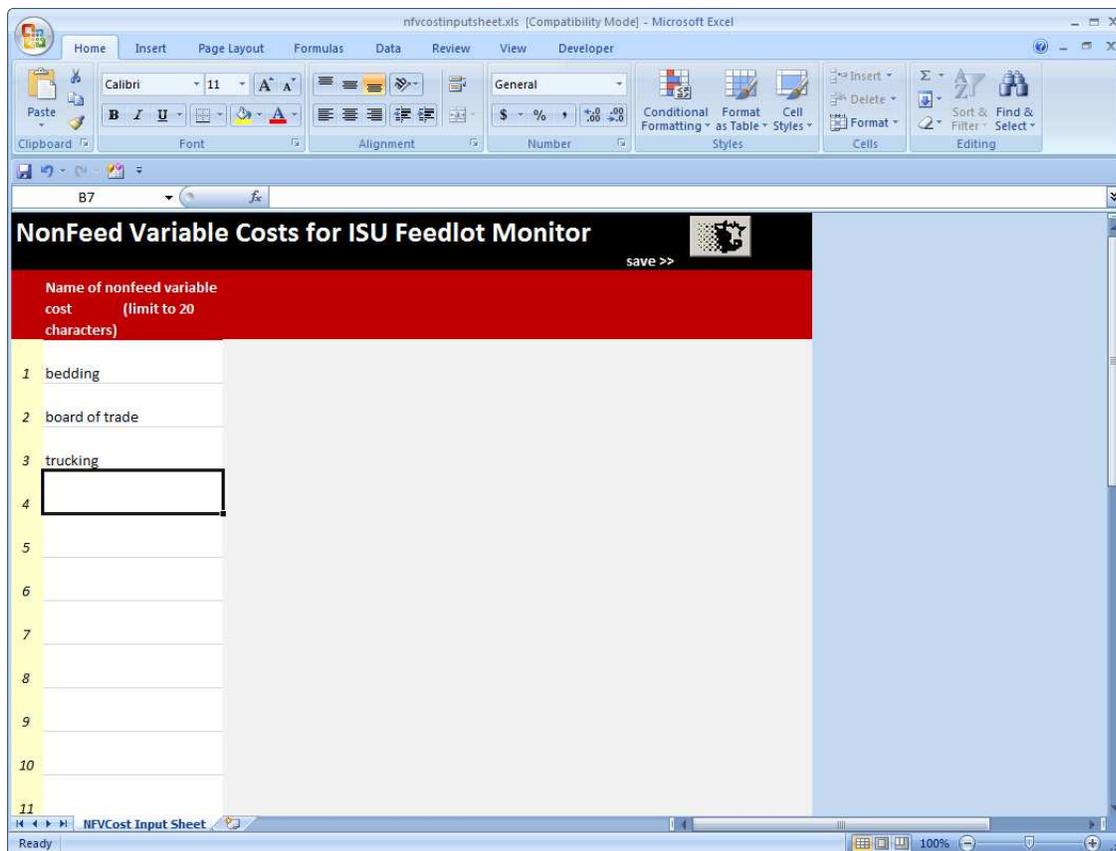
Menu Items

New - Select this item prior to inputting a new cost.

Save - Select this item after providing data on a new cost or after updating data on a cost that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – paper - Allows a paper input sheet to be printed out. This sheet can be filled out and used as a guide for data input.

Input Sheet – Excel - Allows a preformatted Excel spreadsheet to open which the input data can be pasted or typed to for saving into the data base. By using this individual inputs can be by-passed

Delete - After an item from the list is selected, this will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected will exit and close the current screen.

Costs

Nonfeed Cost Records

Explanation: This area allows the dollar amounts of the nonfeed costs tracked by the feedyard to be recorded. These amounts can be recorded at anytime. The date the cost was incurred by the Feeding-Lot will be factored into the breakeven value of the animals in that lot for their current value.

Navigation: UPDATE DATA - NONFEED COSTS

To Provide Data

1. Go to the UPDATE DATA–COSTS NONFEED/NONCATTLE area of program.

2. From the Nonfeed Variable Costs screen select the Feeding-Lot and the name of the cost item from the drop-down lists.

3. Indicate the date the cost was incurred on the Feeding-Lot and the Total Cost $. A description and origin of the cost can also be provided if you wish.

4. When the data on a cost is provided select SAVE from the menu. Another cost entry can now take place.

Enter cost data here as is necessary. The Feeding Periods discussed earlier should be recalculated on the Feeding Period input screen to bring breakeven and cost of gain data up to date.

Menu Items

Save - Use this item to save data entered on screen. For updating /editing SAVE will over write the old with the new data.

View-Edit - Use this item to bring up the Analysis/Report pop-up for viewing the data that has been saved up until this time. This also provides the way to access this stored data for editing.

Input Sheet -   Paper - This brings up a pre-formatted paper data entry sheet that can be filled out by hand and then later copied into the program. You may need this when doing records for another person.

Excel - This brings up a pre-formatted, Excel data entry sheet to enter cost information on a Feeding-Lot.

Quit - This will unload / close the Nonfeed Variable Costs form.

To View, Update or Delete Data

Itemized Records

NOTE: Only itemized records can be used to make corrections or delete records.

1. Go to the ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE COSTS area of program.

2. From the View Income screen select the item from the list that you wish to view.

3. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed

4. Select VIEW RECORDS from menu to generate a report.

Correct Records

1. Select UPDATE from the display screen's menu.

2. On the input screen, indicate the number of the record that you wish to make a correction.

3. Provide the correct information.

4. Select SAVE from the menu.

Delete Records

1. Select DELETE from the display screen's menu.

2. On the input screen, indicate the number of the record that you wish to delete.

3. See Deletion Screen section of documentation for more details.

Costs

Nonfeed Reports

Itemized Records

1. Go to the ANALYSIS REPORTS – ACCOUNTING – NONFEED COSTS area of program.

2. From the View Cost screen select the item from the list that you wish to view.

3. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed

4. Select VIEW RECORDS from menu to generate a report.

The Cost List Items can be sorted by Feeding Lot and Dates.

Display of Itemized Nonfeed Variable Records

A Summary of Records

1. Go to the ANALYSIS REPORTS – ACCOUNTING - NONFEED VARIABLE COSTS area of program.

2. Select the Feeding-Lot that you wish to summarize.

3. Select VIEW SUMMARY from menu to generate a report of all nonfeed costs accrued by Feeding-Lot.

4. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed.

Nonfeed Variable Cost - Summary

Quit

11 ste 13

Total $ Spent: 20765.24

	Item	$ Value
1	yardage	988.80
2	interest	330.74
3	cattle	19,000.00
4	processing	120.00
5	med treatments	101.00
6	drug/product	224.70

Costs

Troubleshooting

All issues with nonfeed and noncattle costs can probably be best fixed in the ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE COSTS area. View the itemized records and then make corrections where needed.

1. Go to ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE COSTS

2. Select the Cost Name from the Cost List and then VIEW RECORDS from the menu.

3. Find the record and Record Number with a problem and then select UPDATE from menu.

4. Indicate the record in trouble with the record number and make fixes.

5. SAVE.

6. Now Recalculate the Feeding Periods - Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

7. Select the affected Feeding-Lot and then RECALCULATE – RECALCULATE WITH CORRECTED FEED PRICES.

Income

Sale Outlet (Buyers)

Explanation: This is optional, but by setting up these names, which can be done at anytime, a consistent sale outlet name can be attributed for sale information that later makes summary reports a much simpler process.

Navigation: SET UP – SALE OUTLET

To Provide Data (add buyers to list):

1.   Go to the SET UP – SALE OUTLET area of program.

2.   From the Buyer List screen menu choose NEW and then provide the data.

3.   When the data on a sale outlet is provided select SAVE from the same menu and the buyer should appear on the list at the bottom of the screen.

To Update or Edit Data:

4.   Go to the SET UP – SALE OUTLET area of program.

5.   From the Buyer List screen select the sale outlet from the list at the bottom of the screen that needs attention (click with mouse and the existing data on buyer should load automatically).

6.   Make corrections and select SAVE from menu. The buyer name will be updated on all existing income records to the new name if the name is edited.

To Delete a Sale Outlet:

1.   Go to the SET UP – SALE OUTLET area of program.

2.   From the Buyer List screen, select the sale outlet from the list at the bottom of the screen that needs to be removed *(click with mouse and the existing data on buyer should load automatically)*.

3.   Select DELETE from the Buyer List menu bar.

Set Up – Buyer List screen with sample data

Inputs

> **Record Number** - value used by the program to identify selected sale outlet for updating or correcting associated data. This value appears when the sale outlet is selected from the list. This will not appear when adding a new buyer.

> **Buyer's Name** -   user defined name given to the sale outlet. Limit length to 15 spaces.

Option Buttons

> **Cattle, Noncattle, Both** – select if the buyer is specific for cattle, noncattle or either type of purchase.

Menu Items

New - Select this item prior to inputting a new sale outlet.

Save - Select this item after providing data on a new sale outlet or after updating data on a buyer that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – a paper or Excel input sheet can be generated from here. The Excel sheet allows a great number of buyers to be added at once. The paper sheet is mainly for providing to an operator to write down the various buyers in situations where the actual data entry is done by someone else.

Delete - After an item from the list is selected, this will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected will exit and close the current screen.

Income

Sale Outlet Reports

Explanation: This area allows a search and reporting function delivering a summary of where income originated from. The Sale Outlet Report provides a summary from those items listed on the Sale Outlet list (Buyer List) established in the Set Up area of program. A breakdown by category is generated. Feeds, Cattle, Custom Feeding and Other Income are the general categories. Data can be sorted by Buyer, Feeding-Lot and/or date incurred.

Navigation: ANALYSIS REPORTS - ACCOUNTING – SALE OUTLET REPORT

A time period, and/or a Buyer, and /or an actual income source can be selected and used to sort report data.

Select VIEW SUMMARY to get report below.

Refer back to itemized records if something looks wrong.

	Sale Outlet	$ Total	$ Feed	$ Cattle	$ Custom Feeding + Other Income
1	green bay	523,766.30	0.00	523,766.30	0.00
2	jbs pack	264,861.30	0.00	264,861.30	0.00
3	creekstone	3,478.36	0.00	3,478.36	0.00
4	bob interest	18,567.51	0.00	0.00	18,567.51

Income

Define Income Sources

Explanation: This area allows the names of feedyard income sources other than from the sale of cattle or custom feeding to be indicated. Once added in the SET UP area, the name can be selected as needed to record an income stream from the Feeding-Lot or to sort data for reports. Closeouts use this data along with the animal marketing data.

Navigation: SET UP – INCOME NONCATTLE/NONBILLING

To Add an Income Name (identifying the income that will be recorded)

1. Go to SET UP – INCOME NONCATTLE/NONBILLING area of program.

2. From the Income Source List screen menu choose NEW and then provide the name of the income item. Note again that the items to add to this list would be things that generate income apart from the sale of cattle or from custom feeding/billing. Some common items that you may wish to record here are returns from risk management/board of trade, sale of manure, custom work, etc.

3. Select SAVE from the menu and the item should appear on the list at the bottom of the screen.

To Update or Delete Data an Income Name:

1. Go to SET UP – INCOME NONCATTLE/NONBILLING

2. From the Income Source List select the item that needs attention (*click with mouse and the existing data on cost should load automatically*).

3. Make corrections and select SAVE from menu. The itemized records recorded under this name, if the name itself is changed will also be changed to the new name. If you want to permanently remove the item from the list select DELETE from the menu.

NOTES:

1. BILL_PAYMENT, BREEDING_REMOVE, DEAD_REMOVE, MARKET, OTHER_REMOVE and SICK_REMOVE cannot be updated or deleted.

2. Do not delete an Income Name if you have recorded data under that name title.

3. You may change the Income Name if needed and all records recorded under that title will update as well.

Income Sources Screen

Noncattle income sources may be different from one operation to the next. Likewise some income source names may also be a production cost. Identify those other noncattle income streams that pertain to your operation.

Excel Data Entry

The above procedure allows entry on one item at a time. If you wish, you can use the attached Excel input sheet to enter up-to 25 Income Sources at one time. To do this:

1. Go to the INCOME NONCATTLE/NONBILLING area of program.

2. From the Income Source List screen menu choose INPUT SHEET - EXCEL.

3. When the Excel sheet appears type the item names in the appropriate column.

4. Select the Save button on the Excel spreadsheet to save the data to the Feedlot Monitor and close the spreadsheet.

5. If everything worked you should see the items on the income list of Income Source List screen now.

NOTE: See Excel Setup in the beginning of this manual to properly configure Excel to work with this program.

Excel Input Screen
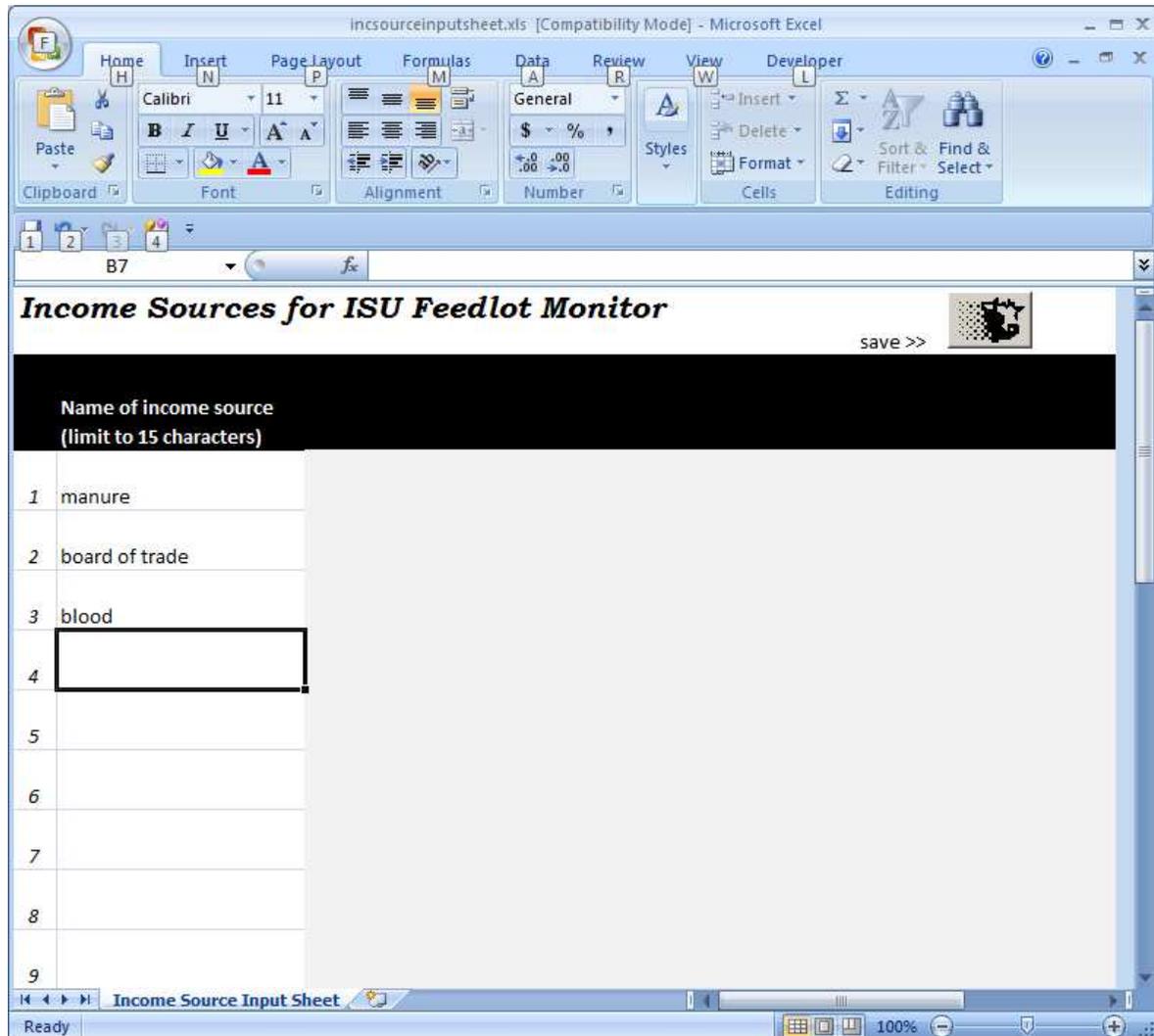
Menu Items

New - Select this item prior to inputting a new income source.

Save - Select this item after providing data on a new item or after updating data on a source that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – paper - Allows a paper input sheet to be printed out. This sheet can be filled out and used as a guide for data input.

Input Sheet – Excel - Allows a preformatted Excel spreadsheet to open which the input data can be pasted or typed to for saving into the data base. By using this, individual inputs can be by-passed.

Delete - After an item from the list is selected, this selection will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected, this will exit and close the current screen.

Income

Non Cattle/ Non Billing Income Records

Explanation: This area allows the dollar amounts of the income tracked by the feedyard to be recorded. These amounts can be recorded at anytime in the Feeding Period and will not adjust the Breakeven.

Navigation: UPDATE DATA–INCOME NONCATTLE/ NON BILLING.

To Provide Data

1. Go to the UPDATE DATA–INCOME NONCATTLE/ NON BILLING area of program.

2. From the Income screen select the Feeding-Lot and the name of the income item from the drop-down lists.

3. Indicate the date the income was incurred on the Feeding-Lot and the Total $. A description and origin of the income can also be provided if you wish.

4. When the data on an income item is provided select SAVE from the menu. Another entry can now take place.

NOTE: Bill_payment income is recorded automatically when billing invoices are calculated (**UPDATE DATA– INVESTOR – BILL CALCULATION)**.

NOTE: Income from selling animals is recorded automatically by the program when sales are posted (**UPDATE DATA– CATTLE)**.

Menu Items

> **Save -** Use this item to save data entered on screen. For updating /editing, SAVE will over write the old with the new data.

> **View-Edit -** Use this item to bring up the Analysis/Report pop-up for viewing the data that has been saved up until this time. This also provides the way to access this stored data for editing.

> **Input Sheet -**

>> **Paper -** This brings up a pre-formatted paper data entry sheet that can be filled out by hand and then later copied into the program. You may need this when doing records for another person.

>> **Excel -** This brings up a pre-formatted, Excel data entry sheet to enter income information on a Feeding-Lot.

> **Quit -** This will unload / close the Income form.

To View, Update or Delete Data

Itemized Records

NOTE: Only itemized records/display can be used to make corrections or delete records.

1. Go to the ANALYSIS REPORTS – ACCOUNTING - INCOME area of program.

2. From the View Income screen select the item from the list that you wish to view.

3. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed

4. Select VIEW RECORDS from menu to generate a report.

Correct Records

1. Select UPDATE from the display screen's menu.

2. On the input screen, indicate the number of the record that you wish to make a correction.

3. Provide the correct information.

4. Select SAVE from the menu.

Delete Records

1. Select DELETE from the display screen's menu.

2. On the input screen, indicate the number of the record that you wish to delete.

3. See Deletion Screen section of documentation for more details.

Income

Reports

Itemized Records

1. Go to the ANALYSIS REPORTS – ACCOUNTING - INCOME area of program.

2. From the View Income screen select the item from the list that you wish to view.

3. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed

4. Select VIEW RECORDS from menu to generate a report.

The Income List Items can be sorted by Feeding Lot and Dates.

Display of Itemized Income Records

A Summary of Records

1. Go to the ANALYSIS REPORTS – ACCOUNTING – INCOME area of program.

2. Select the Feeding-Lot that you wish to summarize.

3. Select VIEW SUMMARY from menu to generate a report of all income accrued by Feeding-Lot.

4. You may also select the Feeding-Lot and indicate a starting and ending date in order to limit the number of records displayed.

Income summary from selected Feeding Lot with 2 investors

The Feedyard income shows in the top half. The investor income appears in the bottom half.

Each investor owns specific animals in this group and at this point the one investor has marketed some cattle, the other has not.

Income

Troubleshooting

All issues with noncattle income can probably be best fixed in the ANALYSIS REPORTS – ACCOUNTING – INCOME area. View the itemized records and then make corrections where needed.

1. Go to ANALYSIS REPORTS – ACCOUNTING – INCOME

2. Select the INCOME Name from the Income List and then VIEW RECORDS from the menu.

3. Find the record and Record Number with a problem and then select UPDATE from menu.

4. Indicate the record in trouble with the record number and make fixes.

5. SAVE.

6. Now Recalculate the Feeding Periods - Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD.

7. Select the affected Feeding-Lot and then RECALCULATE – RECALCULATE WITH CORRECTED FEED PRICES.

All issues with income from cattle such as marketing, etc can be looked as mentioned above, but it may be easier to go to ANALYSIS REPORTS – ACCOUNTING – CATTLE – GROUP DATA. Then select the Feeding Lot and PRINT ALL from the menu to view records and find problems. Select UPDATE then to fix the problem.

Health

Explanation: The Health section involves three main areas; Drug/Product Inventories, Animal Processing and Animal Treatments. Much of this area is optional in making the Feedlot Monitor work.

Navigation:

Main Menu

Set Up	Update-Data	Analysis-Reports
Health	Health	Health
Diseases	Drug Inventory	Case Incidence
Disposition	Animal Processing	Weather+Treatment
Doctor/Tec List	Animal Treatments	Product Use Summary
Drugs+Products		Processing Summary
Processes		Treatment Summary
Treatment Protocols		Retreat / Withdrawal

Health

Diseases

Explanation: Use this area to list various diseases encountered in the feedyard. A default list is included, but you can add to or edit this list at any time. This information is used when recording treatments and generating Case Incidence Reports.

Navigation: SET UP – HEALTH - DISEASES

To Provide Data

1. Go to the SET UP – HEALTH - DISEASES area of program.

2. From the Disease List screen menu choose NEW. Indicate the Disease Name and select the disease category.

3. Select SAVE from the Disease List menu and the disease should appear on the list at the bottom of the screen.

To View or Correct Data

1. Go to the SET UP – HEALTH - DISEASES area of program.

2. From the Disease screen select the disease name from the list at the bottom of the screen that needs attention (*click with mouse and the existing data should load automatically*).

3. Make corrections and select SAVE from menu.

To Delete Data

1. Go to the SET UP – HEALTH - DISEASES area of program.

2. From the Disease List screen select the disease from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data on disease should load automatically*).

3. Select DELETE from the Disease list menu bar.
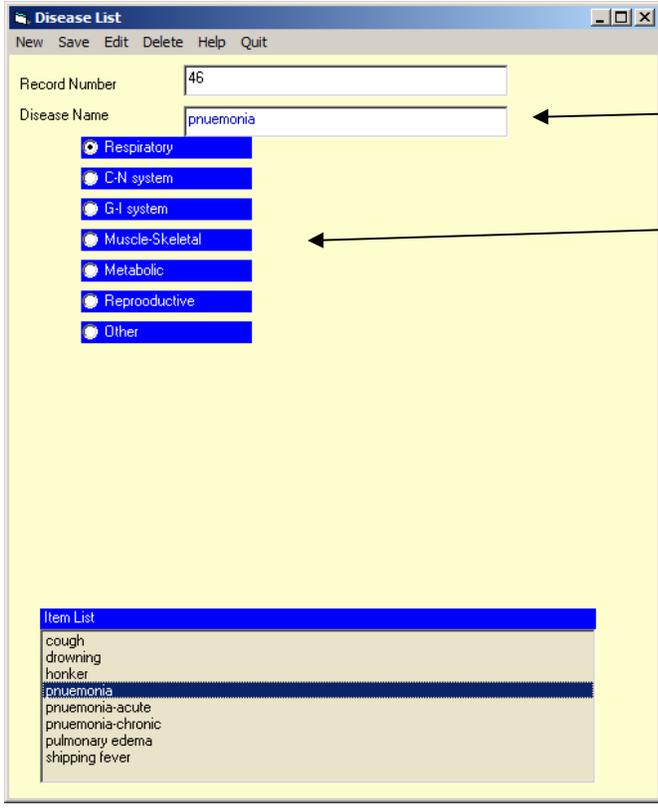
As diseases are added they will appear on the list below.

Select the category of disease to view corresponding diseases.

Inputs

Record Number - appears only when a disease that has already been added to the list is selected with the mouse and indicates the position of the disease name in the data base for editing.

Disease Name - provide the name of the disease you wish to add to the list in the input box and then check the appropriate disease category this disease falls into. For instance, if the disease name is "pneumonia", check the "Respiratory" for a disease category.

If you edit the disease name, the treatment records involving this disease will also be updated.

Disease Category

Respiratory - (0)

C-N system (central nervous system) - (1)

G-I system (gastro-intestinal system) - (2)

Muscle-Skeletal - (3)

Metabolic - (4)

Reproductive - (5)

Other - (6)

(Database reference numbers)

Menu Items

    New - select if you want to add a new disease to list. Type in **Disease Name** after selecting
          "New".

    Save - after typing in name of new disease or making a change to an existing one select SAVE to
          store.

    Edit - to edit, select the disease name you wish to modify from the list.

    Delete - to delete, select the disease name from the list and then select DELETE.

Health

Outcomes

Explanation: Allows the location / health status observed to be listed. Add to the default list as needed. This data is used when recording Treatments in the Data – Health area.

Navigation: SET UP – HEALTH - DISPOSITION

To Provide Data

1. Go to the SET UP – HEALTH - DISPOSITION area of program.

2. From the Disposition List screen menu choose NEW. Indicate the Disposition.

3. Select SAVE from the Disposition List menu and the name should appear on the list at the bottom of the screen.

To View or Correct Data

1. Go to the SET UP – HEALTH - DISPOSITION area of program.

2. From the Disposition screen select the Disposition name from the list at the bottom of the screen that needs attention (*click with mouse and the existing data should load automatically*).

3. Make corrections and select SAVE from menu.

To Delete Data

1. Go to the SET UP – HEALTH - DISPOSITION area of program.

2. From the Disposition List screen select the Disposition from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data should load automatically*).

3. Select DELETE from the Disposition list menu bar.

Disposition List – modify as needed.

Inputs

Disposition Name – provide the name of the disposition status you wish to add to the list.

Menu Items

New – select if you want to add a new disposition status to list. Type in **Disposition Name** after selecting NEW.

Save – after typing in name of new disposition or making a change to an existing one select SAVE to store.

Edit – to edit, select the disposition name you wish to modify from the list.

Delete – to delete, select the disposition name from the list and then select DELETE.

Health

Doctor / Tec List

Explanation: Veterinarian and technician contact information can be listed here and referenced when treatments or processing have been performed.

Navigation: SET UP – HEALTH – DOCTOR/TEC

To Provide Data

1. Go to the SET UP – HEALTH - DOCTOR/TEC area of program.

2. From the Disposition List screen menu choose NEW. Indicate the individual who worked on the animal.

3. Select SAVE from the DOCTOR/TEC List menu and the name should appear on the list at the bottom of the screen.

To View or Correct Data

1. Go to the SET UP – HEALTH - DOCTOR/TEC area of program.

2. From the screen select the individual name from the list at the bottom of the screen that needs attention (*click with mouse and the existing data should load automatically*).

3. Make corrections and select SAVE from menu.

To Delete Data

1. Go to the SET UP – HEALTH - DOCTOR/TEC area of program.

2. From the Doctor/Tec List screen select the individual from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data should load automatically*).

3. Select DELETE from the menu bar.

A listing of names and contact information for technicians veterinarians and farm help who treat livestock on the operation can be listed and indicated later in treatment records as a note.

Inputs

Doctor Name - provide the name of the vet you wish to add to the list. You may also indicate herdsmen or anyone here who performs treatments or processing work.

Address, email and phone - provide this information as you feel necessary.

Menu Items

New – select if you want to add a new veterinarian to list. Type in **Doctor Name** after selecting NEW.

Save – after typing in name of new doctor or making a change to an existing one select SAVE to store.

Edit – to edit, select the doctor name you wish to modify from the list.

Delete – to delete, select the doctor name from the list and then select DELETE.

Health

Drugs + Products

Explanation: Drug inventories can be set up and maintained within the Feedlot Monitor as was discussed earlier with feedstuffs. This is a 3 part set up as it was with feeds. The first item of business is to identify the drugs or supplies maintained in inventory. The second would be to add the items to inventory indicating the actual cost and number of units. Finally the 3rd par would be to place the drug or product into the processing or treatment protocol.

This area is optional and can be ignored if you wish or you may choose to modify the entry of treatment and drug use as will be discussed later in the Processing and Treatment recording sections of this Health topic.

Identify the Drugs and Products that will be Inventoried

Navigation: SET UP – HEALTH – DRUGS+PRODUCT.

To Provide Data

1. Go to the SET UP – HEALTH – DRUGS+PRODUCT area of program.

2. From the Drug + Product List screen menu choose NEW. Indicate the Item Name, normal dosage per 100 pounds of body weight or for items provided at a flat rate per head, check the "per head" option and indicate quantity.

3. If there is some withdrawal time, indicate this in days.

4. If you wish to impose a mark up on the charge of the product when it comes out of inventory, indicate this as a percent (for a 10% markup – input a "10").

5. Finally, select the class of product that the item would fall under from the list and then select SAVE from the menu. The item should appear on the list at the bottom of the screen.

To View or Correct Data

1. Go to the SET UP – HEALTH – DRUGS+PRODUCT area of program.

2. From the Drug + Product List screen select the item name from the list at the bottom of the screen that needs attention (*click with mouse and the* existing *data should load automatically*).

3. Make corrections and select SAVE from menu. A change in the item name will update treatment, processing and Drug + Product Inventory records.

To Delete Data

1. Go to the SET UP – HEALTH – DRUGS+PRODUCT area of program.

2. From the Drug + Product List screen select the item from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data should load automatically*).

3. Select DELETE from the menu bar.

Below the name of the item, indicate whether the item is dispensed on a dosage per 100 pounds (for instance 10 cc / cwt) or per head (for instance one implant per animal). Here 1 unit is given per 100 pounds of body weight.

Indicate the probable withdrawal time in days. (here it is 2 days)

Indicate if the cost of the item should be marked up as it comes out of inventory. Here there is a 5% markup to account for inventory shrink.

Indicate the class of product being mentioned prior to saving to assist later in sorting through products.

Input

Item Name - provide the name of the drug or product you wish to add to the list.

Dosage - select if the item is given on a <u>per head</u> or <u>per 100 pound</u> body weight basis followed by amount per this unit. Something like an ear tag would probably be best described by checking the "per head" option and then a "1" indicated as one tag per head. A typical vaccine would also probably be best described with the "per head" option and the dosage at "1" indicating two CCs per head as the label suggests.   If a "2" would be entered it would indicate a double dose (4 CCs).

A drug like penicillin or something of that nature may probably be best described on a "per 100 lb" basis since the normal label administration is based on a weight basis (CCs per one hundred pounds). If there are a number of possible dose rates indicate the one you most commonly use and in the treatment setup you can indicate if you increase or decrease from this amount.

Withdrawal - indicate the number of days required for withdrawal from administration to slaughter.

Markup % - if you wish to markup the cost of using the given item on feed bills / closeouts to account for product shrink, hospital charges, etc indicate this percent markup here. For example, place a "10" here for a 10% markup. Leave empty if you do not do this.

Class - from the list, select the class that best describes this item. Once this is saved with the item, you may go to this list to select the class of item and the list below will show only those items in this class.

Menu   Items

New – select if you want to add a new item to list. Type in **Item Name** after selecting NEW.

Save – after typing in the new or updated data select SAVE to store.

Edit – to edit, select the item name you wish to modify from the list.

Delete – to delete items stored on the list, select the item name from the list and then select DELETE.

Inventory Add / View – this is a shortcut to the Drug + Product Inventory area of the Data–Health area where actual quantities and costs of the described item can be entered into inventory.

Identify the Drugs and Products that will be Inventoried

Navigation: SET UP – HEALTH – DRUGS+PRODUCT – select INVENTORY ADD/VIEW from menu.

or

UPPDATE DATA – HEALTH – DRUG INVENTORY

To Provide Data

1. Go to the UPPDATE DATA – HEALTH – DRUG INVENTORY area of program.

2. The product names should be in already as described in the previous section so now from the Inventory screen pick the Product Class and the Product Name.

3. Check if you will keep inventory or not. If not checked, only items being used will be tallied in terms of cost and units.

4. Check the Add to Inventory option.

5. Provide the information and select SAVE from menu.

If left unchecked, only records of product leaving inventory is kept.

Note that if you originally start by not keeping inventory and then later want to keep inventory, indicate this change by adding a new item and keeping inventory on this new item rather than trying to change the existing product and it's current accounting system to the new one. The same holds true if you want to quit keeping inventory on an item – start a new item and indicate that you will not be keeping inventory.

To Remove Product from Inventory

When a Treatment or Processing record is recorded, product is automatically removed if the treatment or process protocol has already been identified in the SET UP – HEALTH –TREATMENT PROTOCOL or the SET UP – HEALTH – PROCESSING area. This removal forms an itemized record indicating the cost, the quantity, the date and destination. You may also remove product from inventory and generate these records manually by doing the following:

1. Go to the UPPDATE DATA – HEALTH – DRUG INVENTORY area of program.

2. Select the REMOVE FROM INVENTORY option and the screen will adjust accordingly.

3. Fill in the Destination, Units removed, Date and Value. Then SAVE. If no Value is indicated the value will be determined based on inventory value.

To Update Inventory

Occasionally, inventory units or value need to be updated due to shrink or product availability. To make this adjustment:

1. Go to the UPPDATE DATA – HEALTH – DRUG INVENTORY area of program.

2. Select the UPDATE INVENTORY option and the screen will adjust accordingly.

3. Fill in the correct Units present, the Date this adjustment occurred and Value per Unit. Then SAVE. If the Inventory is not being kept, indicate the Units as "1" and the new correct Value per Unit.

To make Corrections to Inventory Prices

If an adjustment to a product's price in inventory was needed and the treatment or processing record was recorded prior to making this adjustment the correction can be made in two different ways:

Method #1

1. Go to the UPDATE DATA – HEALTH – DRUG INVENTORY area of program.

2. Select the CORRECT $ VALUE option and the screen will adjust accordingly.

3. Indicate the correct Value per Unit and the Date this should take effect.

4. Now select the Feeding-Lot that is involved in the correction. Then SAVE.

5. If other Feeding-Lots are involved, select the next Feeding-Lot and SAVE. Note that as it is with correcting a Feed Price in this method, the correction will take place only on the selected Feeding-Lot and from the indicated Date forward. Therefore start with the earliest correction first and then fix subsequent prices. This correction will not change the overall value of the product in inventory only the selected Feeding-Lot and from the specified Date forward.

Method #2

(See following screens for an illustration)

1. Go To ANALYSIS REPORTS – HEALTH – PRODUCT USE SUMMARY.

2. Select the product from the list and if you want you can reduce the number of records showing by also selecting the Feeding-Lot.

3. Select VIEW RECORDS from the menu.

4. Find the record in error on the itemized screen printout and select UPDATE from the menu.

5. On the pop up screen, type in the Record Number and then provide the correct data.

6. SAVE.

Product selected and printed to screen as shown below.

The record in error is determined and fixed by selecting UPDATE.

Drug-Health Product Inventory

Save   View   Quit

Record Number	1
Product Name	penicillin
Origin/Destination	town
Manufacturer	Cow Labs
Total Units Added	500
Total Value Added	22
Date	12/12/2013

Record number provided

Record's data will load automatically and can be corrected.

Note that inputs concerning pricing, units destination/origin, etc can be corrected using Method #2.

Health

Processing Protocols

Explanation: This area allows the normal cattle processing protocols that are performed to be identified and aid in data entry later. Record these before recording any processing operations in the Update Data-Health-Processing area.

Navigation: SET UP – HEALTH – PROCESS PROTOCOLS

To Add a Protocol

1. Go to the SET UP – HEALTH – PROCESS PROTOCOLS area of program.

2. From the Processing Protocol List screen menu choose NEW. Indicate the Process Name and indicate if there is any charge for performing this process above a product costs.

3. If there are any commercial products used for this process select each of these product used from the six product lists.

    NOTE if a process requires more than 6 commercial products, split the process into 2 processes.

4. Next to each product list is a small input box that allows the dose or quantity of a selected product to be indicated. If you double dose a particular product above label recommendations, indicate this by placing a "2" in the input box. If the dosage follows the label or if a quantity of one item is used, indicate this rate by placing a "1" in this side box.

5. Select SAVE from the Processing Protocol List menu and the process should appear on the list at the bottom of the screen.

To View or Correct a Protocol

1. Go to the SET UP – HEALTH - PROCESSES area of program.

2. From the list at the bottom select the Process that needs attention (*click with mouse and the existing data should load automatically*).

3. Make corrections and select SAVE from menu. Processes that are renamed will update treatment and processing records created in the UPDATE DATA - HEALTH area.

To Delete a Protocol

1. Go to the SET UP – HEALTH – PROCESS PROTOCOLS area of program.

2. From the Process Protocol List screen select the process from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data on process should load automatically*).

3. Select DELETE from the Processing Protocol List screen menu bar.

One processing protocol has been added. When it is selected the name, the extra charge above product costs will appear and allow you to modify as needed.

User defined labor or inconvenience charge.

The products used in this protocol are selected. Note that you will have to add these products first in the HEALTH – DRUGS+PRODUCTS area before using this screen.

Note the input that indicates the dose rate. A "1" would tell the program that you are following the dosage as indicated when the Drug+Process was set up.

Inputs

Process Name - provide the name of the process you wish to add to the list.

$ Charge / Hd. / Event - an automatic charge per head for the given process above the commercial product cost that may be involved. For instance a chute charge or weigh charge may be indicated here. When the process is performed and recorded in the Data area of the program this charge will be tallied along with any product costs automatically and recorded as a nonfeed variable cost. This input is optional.

Products Used + Dose - some processes may involve the use of a commercial product others may not. If a commercial product is involved, it may be selected from one of the six product lists. Up to 6 commercial products could be used under one process name. If more are needed, record the given process in 2 entries. Along with the product a dose or rate of the product can be indicated. A value of "1" indicates one unit (for instance one ear tag) provided or a dose rate that follows the label recommendation. A "2" would indicate a double dosage rate or 2 units used. This information is needed for the computer to tally a processing cost when the process is recorded as done in the Data area of the program.

Menu Items

> **New** – select if you want to add a new process to list. Type in **Process Name** after selecting NEW.
>
> **Save** – after typing in name of new process or making a change to an existing one select SAVE to store.
>
> **Edit** – to edit, select the process name you wish to modify from the list.
>
> **Delete** – to delete, select the process name from the list and then select DELETE.

Note that you do not need to identify all these protocols as described above to still record costs and processing, but this does allow for more thorough documentation.

Health

Processing Records

Explanation: The actual processing record and charges for processing are to be done in this area. You may use the just mentioned protocol listing or you may provide this information with a shortcut approach that will also be described in this section.

Navigation: UPDATE DATA – HEALTH – ANIMAL PROCESSING

To Provide Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL PROCESSING area of program.

2. Select NEW and then indicate the Feeding-Lot involved.

3. Provide the rest of the data as necessary. Note the number of head being worked is to be indicated. You may select "Whole Lot" to include all animals in Feeding-Lot. See section on INPUTS later in this chapter for details on the different inputs that you may use since you may not need to worry about filling in all the blanks.

4. SAVE

The entire Feeding Lot is being processed. If only certain animals were, we could indicate those animals specifically with ear tag data.

A estimated reference weight is asked for (a close estimate is adequate).

This process has been predefined in the Process –protocol area. If it was not we could type in the operation that was done here rather than selecting an option from the drop-down list. We would then indicate the total cost in the Extra Cost input.

We could also then indicate the withdrawal time as well. If you predefine the protocol as mentioned in the previous section this is all automatically calculated but could be modified here.

To Edit Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL PROCESSING area of program and select VIEW EDIT - PROCESS RECORD from menu.

2. Select the Feeding-Lot involved and then select VIEW RECORDS.

3. Find the record in error and then pick UPDATE from the screen menu.

4. The form you used to originally add the treatment record will now appear again and in the top input provide the Record Number that needs attention.

5. Fix the data and SAVE.

Note that the cost on this screen output is the cost that DOES NOT INCLUDE the drugs if a predefined protocol is selected. It is only the Extra Cost $ from input screen or non Drug cost.

If you need to modify the Drug+Product charge for the Processing Event when the protocol is predefined, do the following:

To Edit Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL PROCESSING area of program and select VIEW EDIT - DRUG+PRODUCTS from menu.

2. Select the Feeding-Lot involved and the Drug/Product then select VIEW RECORDS.

3. Find the record in error and then pick UPDATE from the screen menu.

4. The form you used will now appear again and in the top input provide the Record Number that needs attention.

5. Fix the data and SAVE.

Note that like feed, as drug/products are removed from inventory a negative value is assigned indicating removal.

Inputs

Record Number –appears when updating a record. Provide the record number of the record that you need to correct here. Once provided the data associated with the record will load.

Feeding-Lot – select the Feeding-Lot involved/ being processed.

Head- type in the number of head processed. If the whole Feeding-Lot is involved, select "whole lot".

Ear Tag Color, Ear Tag Letter, Ear Tag Number, EID Tag – these are optional inputs that can be used to indicate specific animals. For instance if there is a bull that get castrated in a pen of steers you may wish to record this animal's ID.

Process – note that up to 6 unique processing protocols may be indicated for a given record. The protocols, once defined in the SET UP - HEALTH - PROCESSES area will appear on the drop down lists. If you do not want to predefine these you can still record processing events by just typing in directly the operation done and then to record a cost, type in the total cost in the Extra Cost $ input.

Doctor / Tec – can be recorded if you would like to keep track of who was involved.

Average Wt –provide an estimate of the average weight of the animals worked. Some drugs will require this information if you set up the predefined protocols.

Date Worked – is the date of processing.

Extra Cost $ - if protocols are not predefined the cost of processing the animals can be indicated here. Also, costs above what was recorded automatically in predefined protocols can be indicated here as well.

Date of Next Treatment – in some cases you may need to reprocess, reimplanting or reworming for instance. The date that this would need to be done can be indicated here and the Calendar Dashboard on the Main Menu screen and the Retreat/Withdrawal Report will remind you when this should occur.

Withdrawal Days – can be indicated here and the Retreat/Withdrawal Report will remind you when the animal is clear. The Withdrawal is determined automatically if you provide data in the Processing Protocol area.

Output

This appears by selecting the CALCULATE button or by selecting SAVE from the menu. This will only appear if the predefined protocols are entered.

Total Cost $ - is the total cost of the process for the whole Feeding-Lot.

Drug Cost – if predefined protocols and drug/product inventories are established, this output will give the total drug and product cost for performing the protocol.

Withdrawal – is the days of withdrawal before marketing as defined in the predefined protocol set up.

Menu Items

New – select if you want to add a new process record.

Save – select after typing in record data.

View-Edit –select to view what has been recorded and from this summary you may pick the record which needs editing.

Quit – select to exit this screen.

Health

Treatment Protocols

Explanation: This area allows the normal cattle treatment protocols that are performed to be listed. This information is used in recording treatment records in the Update Data-Health-Treatment area of the program.

Navigation: SET UP – HEALTH – TREATMENT PROTOCOLS

To Provide a Protocol

1. Go to the SET UP – HEALTH – TREATMENT PROTOCOLS area of program.

2. From the Treatment Protocol List screen menu choose NEW. Indicate the Treatment Name and select the Disease Name this treatment is associated with from the drop-down list.

3. If there are any commercial products used for this process select each of these product used from the six product lists there is an opportunity to also select these items when recording the treatment in the Data-Health-Treatment area.

4. Next to each product list is a small input box that allows the dose or quantity of a selected product to be indicated. If you double dose a particular product above what you originally indicate as a label recommendation, indicate this by placing a "2" in the input box. If the dosage follows the recorded quantity place a "1" in this side box, etc.

5. Select SAVE from the Treatment Protocol List menu and the treatment should appear on the list at the bottom of the screen.

To View or Correct a Protocol

1. Go to the SET UP – HEALTH – TREATMENT PROTOCOLS area of program.

2. From the list at the bottom select the Treatment that needs attention (*click with mouse and the existing data should load automatically*).

3. Make corrections and select SAVE from menu. Treatments that are renamed will update treatment records created in the UPDATE DATA – HEALTH - TREATMENT area.

To Delete a Protocol

1. Go to the SET UP – HEALTH – TREATMENT PROTOCOLS area of program.

2. From the Treatment Protocol List screen select the treatment from the list at the bottom of the screen that needs to be removed (*click with mouse and the existing data on process should load automatically*).

3. Select DELETE from the Treatment Protocol List screen menu bar.

Treatment protocols as they are identified will appear in the list below.

In this treatment only one product (drug) is used and a fraction of the normal dose is administered.

If more than 6 products are used for a treatment protocol, break the protocol into 2 parts.

Inputs

Treatment Name - provide the name of the treatment you wish to add to the list.

Disease Name - select the disease involved from the list. These names are the ones provided in the Set Up – Health – Disease area.

Product Used - up to 6 different products or drugs can be selected from the lists for the named treatment. Notice the small boxes to the side of the lists. A value of "1" indicates a dose rate that follows what was specified on the Drug + Products area of the Setup-Health area. By indicating a "2" would mean a double dose. A "0.5" would indicate a half dose, etc.

Menu Items

New – select if you want to add a new disease to list. Type in **Treatment Name** after selecting NEW.

Save – after typing in the name of new treatment or making a change to an existing one select SAVE to store.

Edit – to edit, select the treatment name you wish to modify from the list.

Delete – to delete, select the treatment name from the list and then select DELETE.

Health

Treatment Records

Explanation: The actual treatment record and charges for that treatment are to be done in this area. You may use the just mentioned treatment protocol listing or you may provide this information with a shortcut approach that will also be described in this section.

Navigation: UPDATE DATA – HEALTH – ANIMAL TREATMENT

To Provide Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL TREATMENT area of program.

2. Select NEW and then indicate the Feeding-Lot involved.

3. Provide the rest of the data as necessary. See section on INPUTS later in this chapter for details on the different inputs that you may use since you may not need to worry about filling in all the blanks.

4. SAVE

The disease listing is to be set up in the SET UP – HEALTH - DISEASE area.

Check if this is a NEW CASE or a RETREAT.

If you pre define treatments, you can select the treatment used from the list, otherwise type in what you did.

Note that you may select a number of processing protocols along with the treatment as well.

As with the Processing Records an Extra Cost $ can be used to record the cost for nondefined treatment protocols or add extra cost to existing defined protocols.

Note that when individual animals are being tracked and if you want to show documentation that an animal received treatment you will need to type in the animal's tag number.

To Edit Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL TREATMENT area of program and select VIEW EDIT - TREATMENT RECORD from menu.

2. Select the Feeding-Lot involved and then select VIEW RECORDS.

3. Find the record in error and then pick UPDATE from the screen menu.

4. The form you used to originally add the treatment record will now appear again and in the top input provide the Record Number that needs attention.

5. Fix the data and SAVE.

Go to ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE pick MED_TREATMENT from list to also see record.

Note that the cost on this screen output is the cost that DOES NOT INCLUDE the drugs if a predefined protocol is selected. It is only the Extra Cost $ from input screen or non Drug cost.

If you need to modify the Drug+Product charge for the Treatment Event when the protocol is predefined, do the following:

To Edit Data

1. Go to the UPDATE DATA – HEALTH – ANIMAL TREATMENT area of program and select VIEW EDIT - DRUG+PRODUCTS from menu.

2. Select the Feeding-Lot involved and the Drug/Product then select VIEW RECORDS.

3. Find the record in error and then pick UPDATE from the screen menu.

4. The form you used will now appear again and in the top input provide the Record Number that needs attention.

5. Fix the data and SAVE.

> Note that like feed, as drug/products are removed from inventory a negative value is assigned indicating removal.

Health

Reports

Case Incidence Report

The Case Incidence Report provides a summary of disease issues observed over a specified time. This report can be printed to screen, paper or Excel.

To Generate Report

1. Go to ANALYSIS REPORTS – HEALTH – CASE INCIDENCE

2. Select the disease that you are interested in viewing. Feeding-Lot, and Dates are optional.

3. Select CASE INCIDENCE from menu.

Report Outputs

Disease – the disease requiring treatment.

Feeding-Lot – the Feeding-Lot/ management group the animal was in when treated.

Date – is the day the treatment took place.

Head – is the number of head treated in this record.

DOF- is the days the animals had been on feed when the treatment took place.

R or N – R=retreat, N = new case.

Wt – is the live weight or estimate of live weight when treated.

Resp. – is the respiration rate of the animal when treated.

Temp. – is the body temperature of the treated animal.

Monthly Case Summary Report

The Monthly Case Summary Report provides a summary of total disease issues observed per month. This report can be printed to screen, paper or Excel.

To Generate Report

1. Go to ANALYSIS REPORTS – HEALTH – CASE INCIDENCE.

2. You may limit data by selecting a Feeding-Lot or by providing dates.

3. Select MONTH SUMMARY from menu.

4. A matrix showing all the listed diseases and the total cases over each month of the year.

Cost of Treatment and Cost of Processing Report

The non drug/product cost of the treatment or processing can be observed as part of the nonfeed variable cost ledger.

To Generate Report

1. Go to ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE COSTS.

2. Select the cost you are interested in seeing (Med_Treatment or Processing).

3. You can limit the records displayed by selecting a specific Feeding-Lot or date range.

4. Select VIEW RECORDS.

Report Outputs

This is an example of the Processing Cost Report. The Treatment Cost Report is formatted the same.

Record Number – is used to identify the record for deleting or editing.

Feeding-Lot – is the management group which holds the animals being processed or treated.

Date – is the day the event took place.

$ Amount – is the amount of money spent that was not from the drugs or products used (the drugs/product cost is recorded independently as it's own record).

Description – is the name of the treatment or process performed.

Origin – is the individual performing this task.

Weather and Treatment Report

The Weather and Treatment Report show a Date by disease category matrix with the total number of disease cases appearing under the appropriate category. If weather data is downloaded into the program, the weather averages for the given day are also displayed.

To Generate Report

1. Go to ANALYSIS REPORTS – HEALTH – WEATHER + TREATMENT

2. Provide the starting and ending dates that you want to observe data over.

3. Select VIEW SUMMARY from the menu.

Report Outputs

Date	High Temp	Low Temp	% Humid	Wind Speed	Precip.	Resp	CN	GI	M/S	Met	Repro	Other

Date – is the day the measurement is taken for the following.

High Temp – is daytime high temperature.

Low Temp – is the day time low temperature.

% Humid – is the percent relative humidity.

Wind Speed – air wind speed

Precip. – is the inches of rain fall or rainfall equivalents.

Resp – is total number of respiratory diseases on the given day.

CN – is total number of central nervous system diseases on the given day.

GI – is total number of gastro-intestinal diseases on the given day.

M/S – is total number of muscular / skeletal diseases on the given day.

Met – is total number of metabolic diseases on the given day.

Other –– total number of other diseases on the given day.

Product Use Summary Report

The Product Use Summary report provides a listing of the health items used/taken from inventory. Units and their subsequent value when taken from inventory are displayed as a negative value.

To Generate Report

1. Go to ANALYSIS REPORTS – HEALTH – PRODUCT USE SUMMARY

2. A starting and ending dates that you want to observe data over can be entered, but this is optional.

3. If the Feeding-Lot is selected, the total product used for the selected Feeding-Lot is shown. If no Feeding-Lot is selected the total quantity of the individual products present in inventory is displayed.

4. Select VIEW SUMMARY from the menu.

Report Output

```
Drug-Health Product Inventory - Summary
     Quit

  11 ste 13


      Item                        Units       $ Value

1     penicillin                   -0.55        -0.03
2     ivermectin                -188.00         -9.87
3     revelor                    -20.00        -42.00
4     ear tags                   -20.00        -30.00
5     express 5hs                -40.00        -96.60
6     vision8                    -40.00        -46.20
```

Product Ledger Report

The Product Ledger report provides an account of units placed in or removed from inventory. Units and their subsequent value when taken from inventory are displayed as a negative value.

To Generate Report

1. Go to ANALYSIS REPORTS – HEALTH – PRODUCT USE SUMMARY

2. Select the Drug / Product that you want to see.

3. A starting and ending dates that you want to observe data over can be entered, but this is optional.

4. If the Feeding-Lot is selected, the accounting will only show transactions associated with the Feeding-Lot.

5. Select VIEW RECORDS from the menu.

Report Output

Health

Troubleshooting

After fixing any problem as described below, Recalculate the Feeding Periods - Go to ANALYSIS REPORTS - MANAGEMENT – FEED – FEEDING PERIOD. Select the affected Feeding-Lot and then RECALCULATE – RECALCULATE WITH CORRECTED FEED PRICES.

Problems with a Processing Record

1. Go to ANALYSIS REPORTS – ACCOUNTING – HEALTH – PROCESSING SUMMARY

2. Select the Feeding-Lot with a processing problem and then VIEW RECORDS from the menu.

3. Find the record with the issue and then select UPDATE from the menu

4. The original input screen will show up. Type in the record number that require attention. Fix the problem and then SAVE.

NOTE that the cost showing on this record is the Extra Cost $ value entered on the original input screen. If you set up the drug/product inventories and processing protocols the issues with a Drug or Product cost need to be fixed as described in the last part of this troubleshooting section.

Problems with a Treatment Record

1. Go to ANALYSIS REPORTS – ACCOUNTING – HEALTH – TREATMENT SUMMARY

2. Select the Feeding-Lot with a treatment problem and then VIEW RECORDS from the menu.

3. Find the record with the issue and then select UPDATE from the menu

4. The original input screen will show up. Type in the record number that require attention. Fix the problem and then SAVE.

Note that the Price information will not show up on this record so if there is a money problem that you need to see do the following:

1. Go to ANALYSIS REPORTS – ACCOUNTING – NONFEED VARIABLE

2. Select the Feeding-Lot with a treatment problem, select MED_TREATMENT from the cost list and then VIEW RECORDS from the menu.

3. Find the record with the issue and then select UPDATE from the menu

4. The original input screen will show up. Type in the record number that require attention. Fix the problem and then SAVE.

NOTE that the cost showing on this record is the Extra Cost $ value entered on the original input screen. If you set up the drug/product inventories and treatment protocols the issues with a Drug or Product cost need to be fixed as described in the next part of this troubleshooting section.

Problems with Drug/Product Inventory

-if the product was billed out at the wrong price

1. Go to UPDATE DATA – HEALTH – DRUG INVENTORY.

2. On the screen that appears, select the product that needs fixing in terms of billing price and then select the CORRECT $ VALUE option.

3. Provide the correct price per unit and the date it should take effect. Then SAVE.

-if the number of units used and or price is wrong

1. Go to ANALYSIS REPORTS - HEALTH – PRODUCT SUMMARY

2. Select the Drug/Product and then VIEW RECORDS from the menu.

3. Find the record in error and select UPDATE from the menu.

4. On the screen that appears, provide the Record Number of the record in error and then the correct information. SAVE

Health

Import Health Protocols

Explanation: The Feedlot Monitor can import health treatment and processing protocols from another source such as your veterinarian if the veterinarian sets up these items using the Feedlot Monitor Health software.

Navigation: MAIN MENU – UTILITIES – IMPORT HEALTH DATA
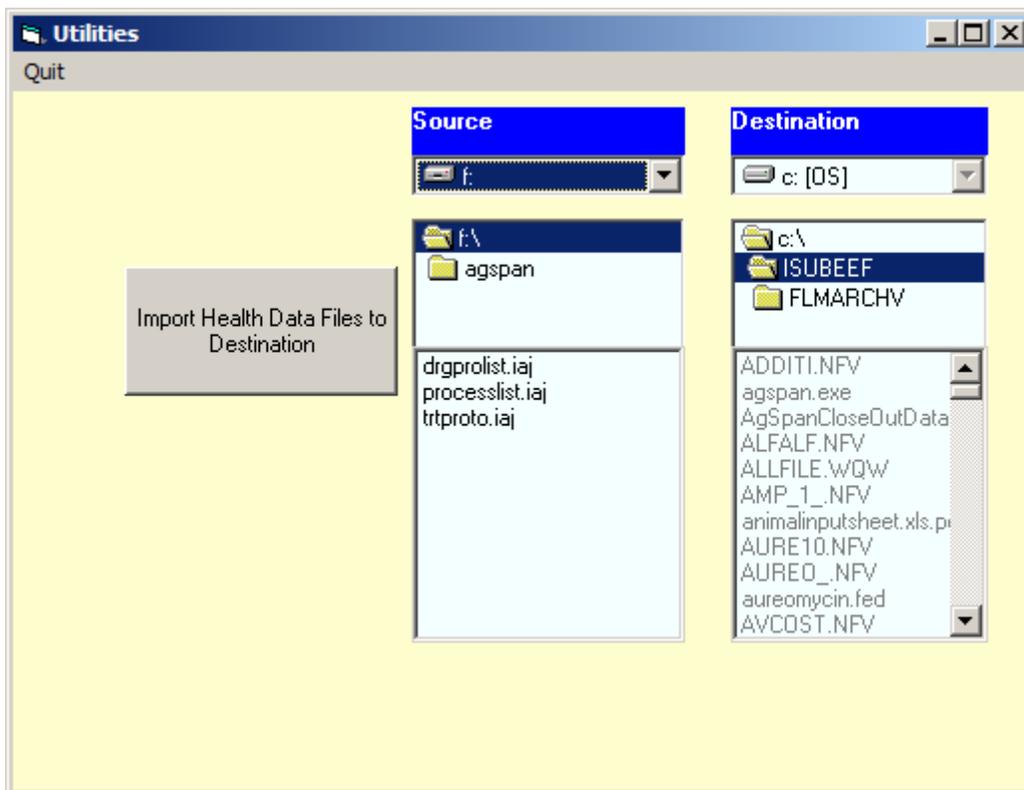
Steps:

1. In the SOURCE file directory, select the drive and folder (if located in a folder) which you are using to get the files.

2. The DESTINATION file directory is already set to your current Feedlot Monitor location on your hard drive.

3. Select the IMPORT button.

4. The drug/health product file (drgprolist.iaj), the treatment protocol file (trtproto.iaj) and the processing protocol file (processlist.iaj) will be imported and merge with your existing files. You can then view or edit these file in the SETUP–HEALTH area of your program.

Custom Feeding / Billing

Investor List

Explanation: This area allows the names and contact information of investors to be indicated. Once this is provided, the name can be selected as cattle are added to the yard to allocate billing charges and indicate ownership.

Navigation: SET UP - INVESTORS

To Add Investors

1. Go to the SET UP – INVESTORS area of program.

2. From the Investors screen menu choose NEW and then provide the data.

3. When the data on an investor is provided select SAVE from the same menu and the investor should appear on the list at the bottom of the screen.

By providing the investor data in the SET UP portion of the program, the investor data can be brought up when necessary in a consistent manner to apply to cattle being fed and to summarize for reports.

Using Excel to Add Investors

If you wish, you can use the attached Excel input sheet to enter up-to 25 investors at one time. To do this:

1. Go to the SET UP – INVESTORS area of program.

2. From the Investor screen menu choose INPUT SHEET - EXCEL.

3. When the Excel sheet appears type the name and contact information for each investor in the appropriate column.

4. Select the Save button on the Excel spreadsheet to save the data to the Feedlot Monitor and close the spreadsheet.

5. If everything worked you should see the investor names in the investor list of the Investor screen now.
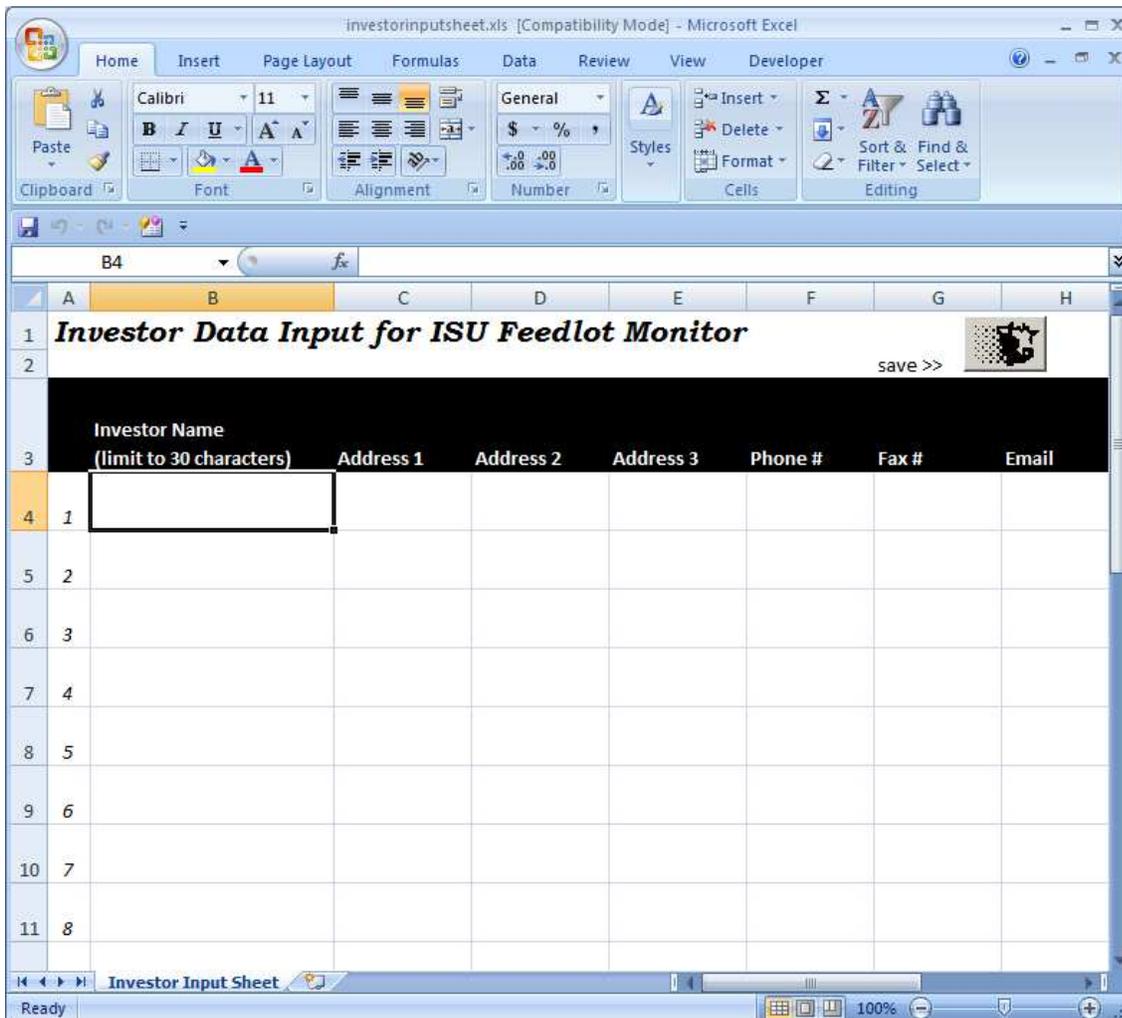
To Update or Edit Data

1. Go to the SET UP – INVESTORS area of program.

2. Select the investor's name from the list.

3. The data associated with the Investor will appear in the input boxes above. Provide the correct information and select SAVE from the menu.

To Delete an Investor

1. Go to the SET UP – INVESTORS area of program.

2. Select the investor's name from the list.

3. The data associated with the Investor will appear in the input boxes above. Select DELETE from the menu. The Investor's name and **all data associated with this investor will be removed** from the system (payments, bills, income).

Inputs

Name - Investor's name.

Address - Investor's address.

Phone - Investor's phone number.

Fax - Investor's fax number.

Email - Investor's email address.

Menu Items

New - Select this item prior to inputting a new investor.

Save - Select this item after providing data on a new investor or after updating data on an investor that you already have entered.

Edit - Prompts for item selection from list to edit or view.

Input Sheet – paper - Allows a paper input sheet to be printed out. This sheet can be filled out and used as a guide for data input.

Input Sheet – Excel - Allows a preformatted Excel spreadsheet to open which the input data can be pasted or typed to for saving into the data base. By using this individual inputs can be by-passed

Delete - After an item from the list is selected, this will permanently delete the item from the data list.

Help - When selected this will open the Feedlot Monitor's documentation file.

Quit - When selected will exit and close the current screen.

Custom Feeding / Billing

Using Investor Information

Explanation: This area allows the data processing for investors to take place in terms of indicating ownership, calculating bills and recording payments. Investor ownership may be applied as a percent ownership to the whole Feeding-Lot or it may be applied based on individual animals and therefore the animal's ear tag is tied to the investor.

Navigation: UPDATE DATA – CATTLE -

Indicating Ownership of Cattle

The Feedlot Monitoring program allows ownership designation to be based on a percent ownership of a group or based on individual ear tags. Generally most situations tend to be a general percent ownership, but when breeding stock development by the feedyard is involved individual animal ownership is the rule and the Feedlot Monitoring program will tie the ear tag of the specific animals to the owner for billing and reporting.

Percentage Ownership

When the group of animals being fed is broke up between investors based on a percentage do the following:

Step 1

Step 1 – when naming the Feeding Lot be sure to check the option stating, "Calculate Feed Bills As Percent of Whole Lot".

Step 2

– when providing the cattle data, indicate the total weight, number and cost for the group as it enters the Feeding Lot described in Step 1.

Then indicate the first investor by selecting his name from the drop down Investor list and then indicating the percent of costs and income directed toward this investor.

Check if this investor has already paid /owns the cattle.

The Interest input would be the annual percent interest rate charged to late payments on feed bills.

Select the small SAVE button to save this data on this investor.

Put in the next investor name and do the same process as just described for him.

When this investor is entered and saved select SAVE from the menu to save the cattle data.

If another group of cattle are added to this pen you will not need to supply any of this investor data since it is already recorded. If the percentage of ownership changes though, you will need to redo the percent breakdown as described below.

Fixing Percent Ownership

To Fix the Percent Ownership – return to the ANALYSIS REPORTS – ACCOUNTING - CATTLE – GROUP DATA screen.

The screen at the left will appear.

Select you Feeding Lot and then PRINT ENTRIES and the following screen will appear.

```
Cattle Entry
Update  Delete     Quit

      Current Steers         98     Pay Wt.       92,120    Value $ 121,598.40
              Heifers         0     Shrunk Wt.    91,825    Value $/lb 1.32
              Bulls           0     Shrink %  0.3%

Record Feeding-Lot Transaction   Date       Origin      Head  Pay Wt  Shrunk Wt  Cost    1st Ear Tag           lbs/hd $/lb   $/hd

    aug 13 ste     1st birth:                           none
150 Conventional  add cattle   08/27/2013  sale barn   s  98   92120    91825  121598.40    0                   937   1.32  1240.80
```

On the screen above, find the record number of the original cattle entry into the Feeding Lot. In this case it is #150.

Select UPDATE from the menu and the following screen will appear.

After the record number is typed in move to another input box and the data will load automatically.

Select the RESET button.

Select the VIEW button and the investors will appear.

Change the Investor data as needed and select the SAVE button. Note that with cattle owned on a percentage basis the percentage of ownership should be the same for all groups added in to the feeding lot.

If the DELETE button is selected it will remove that investors participation in the selected Feeding Lot.

NOTE that you may record the eartag data in setting up the Feeding-Lot even if the Feeding-Lot ownership is broke up as a percent.

Individual Tag/Animal Ownership

When the group of animals being fed needs to be associated with particular investors as might be the case with custom heifer or bull development data entry is to be done as follows:

Step 1

Step 1 – when naming the Feeding Lot be sure to check the option stating, "Calculate Feed Bills on Individual Tags (cattle)".

Step 2

Step 2 – Although this Feeding Lot had 80 animals in it and the investor indicated at the left has 10 animals in this group of 89 we will designate him as 100 % ownership at this point with the 10 head.

(Select SAVE button to save investor information.)

The other investors in this Feeding Lot will be handled the same in terms of being designated as 100% ownership as their cattle are entered in to program.

NOTE that you should not mix Feeding-Lots that are partially Individually owned and partially group x percentage owned.

NOTE that you can fix entry data the same with individual tags as you did with percent of group owned data.

Step 3 – now you will need to enter the ear tag data on the investor's cattle. This is not optional as it is with percentage ownership. The Excel method shown below is the most streamlined way of doing this.

Select INPUT SHEET – EXCEL TAGS from menu of Cattle Data screen. The Excel template shown below will appear.

Provide your data and SAVE. Note that you can put all the animals on this template at once.

Cattle Eartag Input for ISU Feedlot Monitor

Rec. #	FeedingLot	Tag Color	Tag Letter	Tag Number	E-Id	Investor	Purchase Lot	HomeTag	Brand	BirthDate	
21	replmt heife	green		1598	0	garland dahlke				01/05/2013	but
22	replmt heife	green		45	0	garland dahlke				01/20/2013	but
23	replmt heife	green		67	0	garland dahlke				01/14/2013	but
24	replmt heife	green		288	0	garland dahlke				01/22/2013	but
25	replmt heife	green		2468	0	garland dahlke				02/01/2013	but
26	replmt heife	green		242	0	garland dahlke				02/05/2013	but
27	replmt heife	green		3	0	garland dahlke				02/11/2013	but
28	replmt heife	green		321	0	garland dahlke				02/01/2013	but
29	replmt heife	green		366	0	garland dahlke				01/31/2013	but
30	replmt heife	green		993	0	garland dahlke				01/29/2013	but

COUNT >>>
AVERAGE>> 01/26/2013
St.D. >>> 01/11/1900

To Fix or Update Individual Tag Data

You may fix or update your individual ear tag data in two ways. The Excel sheet as just shown or through the program directly.

1. Go to ANALYSIS REPORTS – ACCOUNTING – CATTLE – TAG DATA.

2. The screen shown below will appear. You may use this screen to fix / update the data by selecting the Feeding-Lot from the Feeding-Lot list and the selecting the FEEDING-LOT button under the Tag List.

3. Select the Tag that needs attention and provide the necessary data.

4. SAVE from menu.

If you want to use the Excel sheet to do this, select INPUT from the menu. The Excel template sheet will load. You may then select your Feeding-Lot from the list on the Excel template, provide the data and SAVE.

Feeding Lot of interest is selected.

FEEDING LOT button is selected and the ear tag selected from list for editing.

Custom Feeding / Billing

Calculating a Feed Bill

Explanation: This area goes through the steps needed to calculate the feed bills for custom fed cattle.

Navigation: UPDATE DATA – INVESTOR – BILL CALCULATION

Calculating Bills

1. Go to UPDATE DATA – INVESTOR – BILL CALCULATION.

2. Select the Feeding-Lot involved .

3. Provide the dates over which the bill is to be calculated.

4. If there is a feed mark up to be added, check and provide the appropriate value.

5. If cattle are to be included on the bill, change the "No" to "Yes" on that input.

6. If the feed ingredient cost per unit is to be excluded, change the "Yes" to "No" on that input.

7. If you do not record investor payments or credits once bills are sent in your Feedlot Monitor, change the "Yes" to "No" on that input.

8. Select CALCULATE from the menu.

9. Check the results by selecting PRINTINVOICE from menu.

10. When invoice/bill is printed, select SAVE from menu.

Editing and Deleting Bills

If a bill needs to be edited, it will need to first be deleted if it has been saved.

1. If a feed or nonfeed cost is missing go to the ANALYSIS REPORTS- ACCOUNTING area and make the corrections first.

2. Delete old bill by going to UPDATE DATA – INVESTOR – BILL CALCULATION and selecting the Feeding-Lot involved.

3. Select DELETE from the menu.

4. Recalculate the bill as described in previous steps of CALCULATING BILLS.

NOTE - It is easy to make mistakes on Feed bills, but the most common problems usually involve the value of the cattle. The program will record the value of the cattle automatically if when the cattle data was entered the option button stating "Cattle Paid for" was checked. If it was not checked and the cattle were not purchased for the investor you may credit the investor in the Investor Payment area as discussed in the following section.

The next most common problem is from accidentally saving a bill twice or not saving a previous bill. If your feed bills look wrong compare what was saved and what was paid in the UPDATE DATA – INVESTOR – OTHER DATA area comparing the ledger of paid versus saved bills. This is also discussed in the next section.

Invoice 1

```
Customer Invoice
    Quit

Patron:    bob interest        Period: 08/27/2013 - 09/30/2013
Feeding-Lot: aug 13 ste                           Cost Share %:   58
                                                  Income Share %:  58

FEEDING-LOT (whole pen data)  INVESTOR'S SHARE          INVESTOR'S SHARE
CURRENT DATA                  FEED         UNITS    $    NONFEED        $

Facility:       home pens     orchard gras   0.23   13.19   yardage         636.61
Initial Head:   98            distiller gr   8.64   2131.54 processing     5452.00
Current Head:   98            corn- dry      387.24 2391.61
Death Loss:     0             grower miner   16.62  339.97  Total N.F. Cost $:  6088.61
                              cornsilage-m   12.01  636.53
PERIOD DATA
                              Total Feed $:         5512.83
Med.Treatments:   0           Feed $/ton:           166.24
Retreats:         0           Feed DM%:             69.14

Cattle Added:        98
Removed-market:      0
Removed-breeding:    0
Removed-sickpen:     0
Removed-dead:        0
Removed-other:       0
$ Value Removed:     0

Breakeven:       124.36
$/lb. Gain:      1.24
DMI:Wt (%):      2.57
ADG:             4.71
DMI:             24.30
Days Fed:        35
Est. Wt:         1085

BILLING SUMMARY (investor)

    cattle not included
Charges to Date:      0.00
Payments to Date:     0.00
Outstanding Balance:  0.00
Credit:               0.00
Charge on Balance:    0.00
Current Bill:         11601.44
Account Adjustment:
============================

BALANCE DUE:      11601.44
```

Billing Invoice for a pen that is owned as a percentage by investors

Nonfeed Charge breakdown

Feed charge breakdown

Current Feeding Lot data from billing period

Current Amount Due

Invoice 2

```
Customer Invoice
    Quit

Patron:    garland dahlke    Period: 09/01/2013 - 09/30/2013
Feeding-Lot: replmt heife                    Cost/Income Share %:  all for specified cattle
FEEDING-LOT (whole pen data)  INVESTOR'S SHARE         INVESTOR'S SHARE
CURRENT DATA                  FEED         UNITS    $   NONFEED        $

Facility:       home pens
Initial Head:   89
Current Head:   89            orchard gras   0.27   14.71   yardage          96.00
Death Loss:     0             distiller gr   1.05   252.26  processing       85.96
                              grower miner   1.34   26.75
PERIOD DATA                   cornsilage-m   1.35   67.40   OWNER SPECIFIC CHARGES
                                                           processing        0.00
Med.Treatments:   1           Total Feed $:        361.12   med/treat         5.00
Retreats:         0           Feed $/ton:          133.75   drug/product      1.00
                              Feed DM%:            63.66
Cattle Added:        89                                     Total N.F. Cost $:  187.96
Removed-market:      0
Removed-breeding:    0
Removed-sickpen:     0
Removed-dead:        0
Removed-other:       0
$ Value Removed:     0

Breakeven:       126.51
$/lb. Gain:      0.78
DMI:Wt (%):      2.28
ADG:             2.32
DMI:             11.50
Days Fed:        30
Est. Wt:         570

BILLING SUMMARY (investor)

    cattle not included
Charges to Date:      0.00
Payments to Date:     0.00
Outstanding Balance:  0.00
Credit:               0.00
Charge on Balance:    0.00
Current Bill:         549.08
Account Adjustment:
============================

BALANCE DUE:      549.08
```

Billing Invoice for animals in a pen that are owned specifically by a given investor.

Data that includes entire pen and percent charged to investor..

Data that is specific for the investor's animals.

A second page of this Invoice gives a roster of cattle in the Feeding Lot belonging to the investor.

Editing and Deleting Bills (continued)

You may also view, edit and delete existing feed bills in this way.

1. Go to UPDATE DATA – INVESTOR – OTHER DATA.

2. The screen below will appear.

3. Select the Feeding-Lot you wish to see and then select VIEW BILLS. All the bills that have been saved for the selected Feeding-Lot will appear.

4. On the screen report that appears, select UPDATE from the menu if you need to make a minor update to the bill or select DELETE if you need to delete the bill.

5. Use the associated Record Number on the pop up screen. If you are making an update, the data from that record will load automatically. Type in the correct data over the top of the old values and select SAVE. If you are deleting a record, select the DELETE RECORD button.
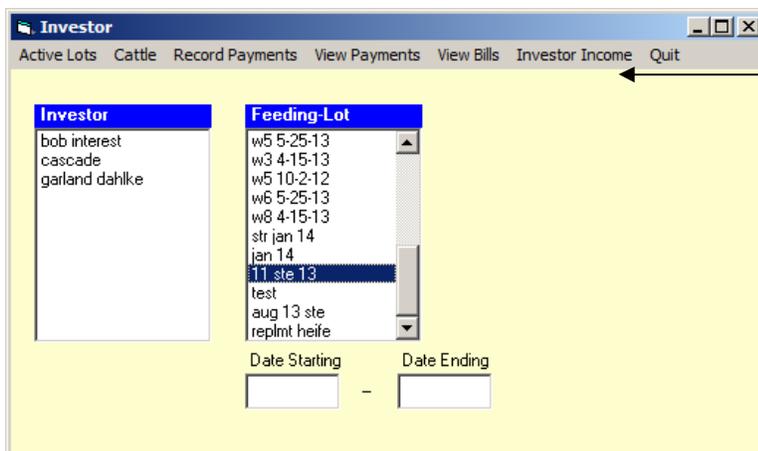
The INVESTOR INCOME selection only calculates investor income in terms of the value of the animals that have been recorded as removed from Feeding Lot. If you notice an error here, you would fix the error in the ANALYSIS REPORTS - ACCOUNTING – INCOME area.

Custom Feeding / Billing

Recording Investor Payments

YOU CAN IGNORE THIS AREA IF YOU PROVIDE "NO" ON THE "SHOW / RECORD INVESTOR PAYMENT" INPUT ON THE INVESTOR SCREEN.

Explanation: When a customer invoice is calculated and saved the program waits for the investor to make a payment on that bill before the end of the next billing period. If no payment is recorded, interest will be calculated and added to the next feed bill if an interest rate is indicated when cattle are added to the Feeding-Lot.

Navigation: UPDATE DATA – INVESTOR – BILL PAYMENT

Recording Payments by Investors

1. Go to UPDATE DATA – INVESTOR – BILL PAYMENT.

2. The following screen will appear.

3. Select the Feeding-Lot and the Investor. Provide the date of payment and the $ Amount.

4. Select SAVE from the menu.

Note that you can select the investor from the list, type it in or use the RESET / VIEW button to bring up the investor's name.

Editing Payments by Investors

6. Go to UPDATE DATA – INVESTOR – OTHER DATA.

7. The screen below will appear.

8. Select the Feeding-Lot you wish to see and then select VIEW PAYMENTS.

9. On the screen report that appears, select UPDATE from the menu.

10. The Investor Payments screen will appear. Type in the record number or the record that requires editing.

11. The data from that record will load automatically. Type in the correct data over the top of the old values and select SAVE.
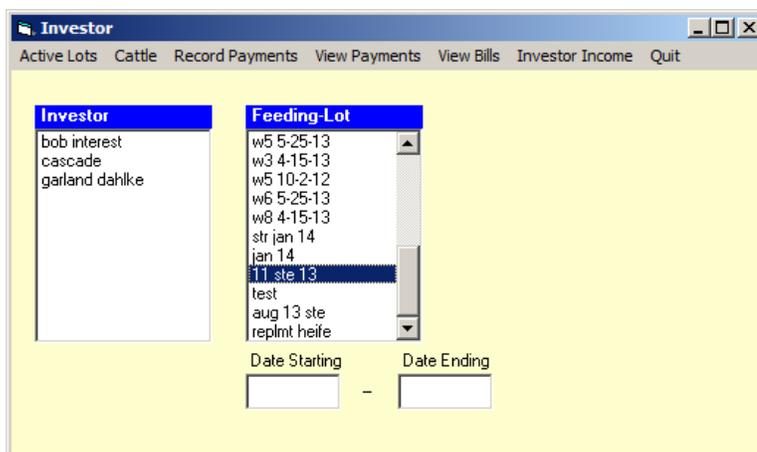
Deleting Payments by Investors

1. Go to UPDATE DATA – INVESTOR – OTHER DATA.

2. The screen below will appear.

3. Select the Feeding-Lot you wish to see and then select VIEW PAYMENTS.

4. On the screen report that appears, select DELETE from the menu.

5. The Deletion screen will appear. Type in the record number that should be removed.

6. Select the DELETE RECORD button.

Environment

Default Weather Data

Navigation: SET UP - Environment

Explanation: Weather data is used in the maintenance calculation for animals on feed. If daily weather is not provided default data is accessed. The default data that comes with the program is from Ames Iowa. Provide your local, average, monthly weather data in place of the Ames data. This data can generally be found on the internet by searching for average wind speed or temperatures for your nearest town of moderate size.

To Provide Data:

1.   Go to the SET UP – ENVIRONMENT area of program.

2.   Indicate the normal, average, monthly air temperatures per month in degrees Fahrenheit (http://www.*weather.com* *can provide this information*).

3.   Indicate the normal, average, monthly wind speed in miles per hour (mph) in second column (http://lwf.ncdc.noaa.gov/oa/climate/online/ccd/avgwind.html can provide this information).

4.   Select SAVE from the menu when done.

To View, Edit or Update Data:

1.   Go to the SET UP – ENVIRONMENT area of program.

2.   Type over existing average air temperatures or wind speeds with correct value.

3.   Select SAVE from the menu when done.

Local Environmental Data

Save   Help   Quit

Avg. Temperature (degrees F)		Rainfall (in)	Wind (mph)
January	18	.9	11
February	25	.9	11
March	37	1.6	12
April	50	2.8	12
May	61	4.3	11
June	70	4.6	10
July	74	3.6	9
August	71	3.7	8
September	64	3.7	9
October	18	2.3	10
November	52	1.4	11
December	36	1	11

The average monthly temperatures, rainfall equivalents and wind speeds shown at the right are from central Iowa. Update and save for your own region.

The internet is a good place to get these averages if you do not already have a source for these values.

Environment

Actual Collected Weather Data

Navigation: UPDATE DATA - Weather

Explanation: If you have access to a local weather station's data or to Mesonet weather data you may enter and use this data in your Feedlot Monitor for animal maintenance energy requirements and for quarterly and annual NPDES report generation. If this data is present, it will be used in place of the default data for animal maintenance requirements.

To Provide Data

There are 2 ways data may be provided in this area

   Single Record Entry

   1.   Go to the UPDATE DATA-WEATHER area of program.

   2.   Select NEW from menu.

   3.   Indicate the date, weather data values

   4.   Select SAVE

Multiple Record Entry

1. Go to the UPDATE DATA-WEATHER area of program.

2. Select INPUT-EXCEL from menu.

3. The Formatted Excel sheet shown below will appear and data can be pasted into the appropriate cells.

4. Select SAVE button on Excel sheet.

NOTE the web links below are handy sources of daily weather data.

http://mesonet.agron.iastate.edu/request/coop/fe.phtml

mesonet.agron.iastate.edu/agclimate/hist/dailyRequest.php

To Edit Actual Weather Data

1. Go to the UPDATE DATA-WEATHER area of program.

2. Select VIEW – SCREEN from menu (you can indicate a starting and ending date to limit the number of records shown).

3. Find the record that needs editing or deletion and select UPDATE to UPDATE a record.

4. Type in the record number of the record that needs the edit on the WEATHER and MAINTENANCE screen that appears

5. Provide the correct data and select SAVE from menu.

To Delete Actual Weather Data

1. Go to the UPDATE DATA-WEATHER area of program.

2. Select VIEW – SCREEN from menu (you can indicate a starting and ending date to limit the number of records shown).

3. Find the record to delete and select DELETE from menu.

4. Type in the record number of the record to delete followed by the DELETE RECORD button. If you are deleting a number of consecutive records, indicate the first record number in the first box and the ending record number in the second box and select the DELETE RECORDS button.

   NOTE that all record numbers between these records will be deleted and the file itself will be renumbered after removing the records.

Inputs on Weather and Maintenance Screen

Date – two blanks are shown. Use the first blank for daily data entry. Both input boxes can be used to view recorded data indicating a starting and an ending date of data output.

NOTE that clicking the calendar in the lower corner will automatically place the date in the input box.

Temp- high(F) – indicate the daily high temperature in degrees Fahrenheit.

Temp-low(F) – indicate the daily low temperature in degrees Fahrenheit.

Windspeed – indicate average daily windspeed in miles per hour.

Humidity – indicate the average percent humidity.

Precipitation – indicate the total daily rainfall equivalent.

Menu Items on Weather Screen

New – click then add in data for new record.

Save - click after providing new or updated data. If a record number is provided, the record will be updated. If no record number is provided, the entry will be a new record.

Input – if **Paper** is selected you can download the DNR paper forms regarding manure and yard data.

-   If **Excel** is selected the Excel template is displayed for multiple record entry.

View – allows raw weather data to be viewed on screen, on paper or on Excel.

Quit – exit screen

Environment

Weather Reports

Raw Data Records

1. Go to the UPDATE DATA-WEATHER area of program.

2. Select VIEW – SCREEN or PAPER or EXCEL from menu (you can indicate a starting and ending date to limit the number of records shown).

Report Outputs match Input descriptions just provided in previous section.

Weather + Treatment Report

1. Go to the ANALYSIS REPORTS – HEALTH – WEATHER+TREATMENT area of program.

2. Select VIEW SUMMARY – SCREEN or PAPER or EXCEL from menu (you can indicate a starting and ending date to limit the number of records shown).

3. The report that follows will appear indicating the date, resulting weather and the number of cases of Respiratory (Resp), Central Nervous System (CN), Gastro Intestinal (GI), Muscular/Skeletal (M/S), Metabolic (Met), Reproductive (Repro) or Other health issues treated on that day.

Weather+Treatments

Next Records   Quit

Date	High Temp	Low Temp	% Humid	Wind Speed	Precip.	Resp	CN	GI	M/S	Met	Repro	Other
01/01/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/02/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/03/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/04/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/05/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/06/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/07/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/08/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/09/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/10/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/11/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/12/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/13/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/14/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/15/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/16/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/17/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/18/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/19/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/20/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/21/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/22/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/23/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/24/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/25/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/26/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/27/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/28/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/29/2010	0	0	0	0	0	0	0	0	0	0	0	0
01/30/2010	0	0	0	0	0	0	0	0	0	0	0	0

Data Table Format

(no data yet recorded in example table)

Weather + Feed Intake Report

1. Go to the ANALYSIS REPORTS – MANAGEMENT – FEED - WEATHER+FEED area of program.

2. Select the Feeding-Lot that you are interested in viewing then select VIEW SUMMARY – SCREEN or PAPER or EXCEL from menu .

3. The report that follows will appear indicating the date, resulting weather, feed intake ratio, dry intake, and bunk score

Weather+Feed Intake

    Quit

Feeding Lot: 1266

Date	DOF	High Temp	Low Temp	% Humid	Wind Speed	Precip.	Intake Ratio	DMI	Bunk Score
08/15/2012-09/10/2012	27	83	58	72	5	0.0	1.1	23.3	0
09/11/2012-10/10/2012	57	70	42	58	6	0.0	1.02	22	0
10/11/2012-10/31/2012	78	59	40	75	8	0.1	1.2	25.5	0
11/01/2012-12/25/2012	133	45	26	78	8	0.0	1.06	21.6	0

Environment

Manure Data

Navigation: UPDATE DATA - Manure

Explanation: Manure collection and removal data can be maintained in the Feedlot Monitor. This data combined with the actual weather data can be used for NPDES report generation by the Feedlot Monitor to satisfy some DNR reporting regulations. The Facility along with the Actual Collected Weather data are incorporated with the Manure section described below. Be sure to indicate Facility information prior to recording Manure Data.

To Provide Data

There are 2 ways data may be provided in this area

   Single Record Entry

   1.   Go to the UPDATE DATA-MANURE area of program.

   2.   Select NEW from Manure screen menu.

   3.   Indicate the date and appropriate values.

   4.   Select SAVE

Multiple Record Entry

1. Go to the UPDATE DATA-MANURE area of program.

2. Select INPUT-EXCEL from menu.

3. The Formatted Excel sheet shown below will appear and data can be pasted into the appropriate cells. Note that the facility involved can be selected from the drop down list and then automatically entered by "right clicking" the cells below in the FACILITY column.

4. Select SAVE (steer head) button on Excel sheet.
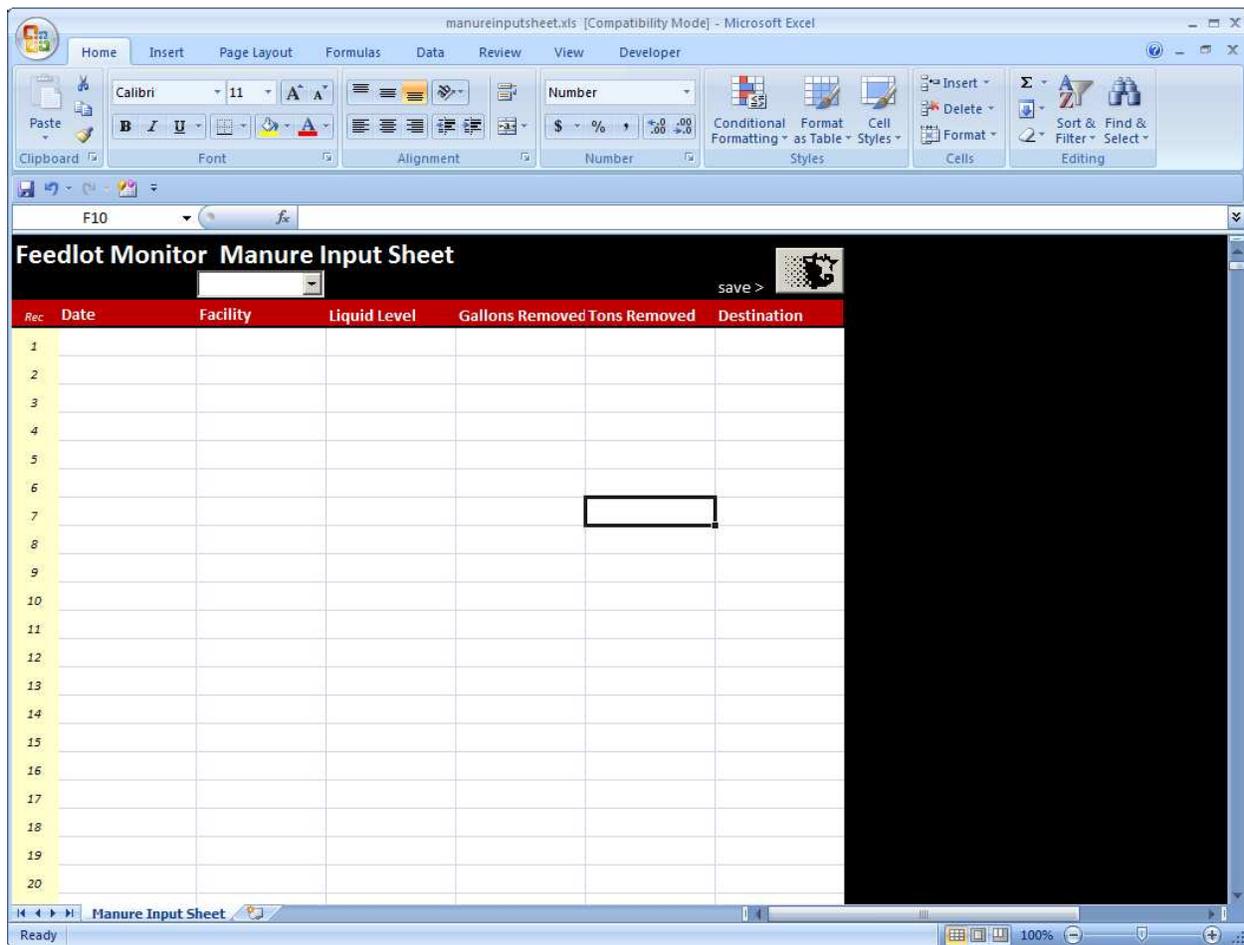
To Delete Actual Weather Data

1. Go to the UPDATE DATA-MANURE area of program.

2. Select VIEW – SCREEN from menu (you can indicate a starting and ending date to limit the number of records shown).

3. Find the record to delete and select DELETE from menu.

4. Type in the record number of the record to delete followed by the DELETE RECORD button. If you are deleting a number of consecutive records, indicate the first record number in the first box and the ending record number in the second box and select the DELETE RECORDS button.

   NOTE that all record numbers between these records will be deleted too and the file itself will be renumbered after removing the records.

Inputs on Manure Screen

Date – two blanks are shown. Use the first blank for daily data entry. Both input boxes can be used to view recorded data indicating a starting and an ending date of data output.

NOTE that clicking the calendar in the lower corner will automatically place the date in the input box.

Facility / Basin – select from this drop-down list the facility or basin the data comes from. Note that these facilities, basins, stock pile areas, etc should be indicated as Facilities (see Facility Section for input details).

Liquid Level – for retention basin depths

Gallons Removed – for liquid manure / retention basin

Tons Removed – solid manure removal from pens/buildings/stockpiles.

Destination – liquid or solid destination after removal.

Menu Items from Manure Screen

New – click then add in data for new record.

Save - click after providing new or updated data. If a record number is provided, the record will be updated. If no record number is provided, the entry will be a new record.

Input – if **Paper** is selected you can download the DNR paper forms regarding manure and yard data.

- If **Excel** is selected the Excel template is displayed for multiple record entry.

View – allows raw manure data to be viewed on screen, on paper or on Excel.

Quit – exit screen

Environment

Manure Reports

Raw Data Records

Explanation: This report provides a tabular outlay of the data entered in the order it was entered.

1. Go to the UPDATE DATA-MANURE area of program.

2. Select VIEW – SCREEN or PAPER or EXCEL from menu (you can indicate a facility and/or a starting and ending date to limit the number of records shown).

```
Manure Records
Update  Delete    Top  Next Records    Quit
                            Total Gallons      40000
                            Total Tons         169
                            Liquid    Gallons  Solids
Rec.   Date       Facility  Level     Removed  Removed  Destination
1      03/01/2013 home pens 0         0        52       field
2      04/01/2013 home pens 0         0        50       field 2-1
3      04/02/2013 home pens 0         0        45       field 2-1
4      04/03/2013 home basin 5        0        0
5      04/04/2013 home basin 5        0        0
6      04/05/2013 home basin 5        0        0
7      04/06/2013 home basin 5        0        0
8      04/07/2013 home basin 6        0        0
9      04/08/2013 home basin 6        0        0
10     04/09/2013 home basin 6        0        0
11     04/10/2013 home basin 6        0        0
12     04/11/2013 home basin 6        0        0
13     04/12/2013 home basin 6        0        0
14     04/13/2013 home basin 6        0        0
15     04/14/2013 home basin 6        0        0
16     04/15/2013 home basin 6        0        0
17     04/16/2013 home basin 7        0        0
18     04/17/2013 home basin 7        0        0
19     04/18/2013 home basin 7        0        0
20     04/19/2013 home basin 7        0        0
21     04/20/2013 home basin 7        0        0
22     04/21/2013 home basin 7        0        0
23     04/22/2013 home basin 8        0        0
24     04/23/2013 home basin 8        0        0
25     04/24/2013 home basin 8        0        0
26     04/25/2013 home basin 8        0        0
27     04/26/2013 home basin 8        0        0
28     04/27/2013 home basin 6        0        0
29     04/28/2013 home basin 5        10000    0        field 1-1
30     04/29/2013 home basin 4        10000    0        field 1-1
31     04/30/2013 home basin 3        10000    0        field 1-1
32     05/01/2013 home basin 2        10000    0        field 1-2
33     05/02/2013 home basin 2        0        0
34     05/03/2013 home basin 2        0        0
35     05/04/2013 home basin 2        0        0
```

> Report Outputs match Input descriptions just provided in previous section.

Daily Nutrient Excretion

Explanation: The Feeding Period Summary Report will provide a calculated total pounds of nutrient excretion for each Feeding-Lot over each Feeding Period. This value indicates the total nitrogen, phosphorus, potassium and sulfur excreted. Note this is a TOTAL value and a large proportion of this can be lost as gas.

1. Go to ANALYSIS REPORTS – MANAGEMENT – FEED – FEEDING PERIODS –

2. On screen select the Feeding-Lot – VIEW (paper, screen or Excel).

Feeding Period Summary

Update   Quit

1362
05/10/2013   beef   Initial Hd: 194   Current: 194   SoldOff: 0   Recvd: 0.00
Conventional   yearling   Health Risk: Medium   Pulls: 0   Started: 160960   Spent: 237119.52
                Heifers   Cur.Facility: home pens Deads: 0   Net lbs: -160960 $ Net: -237119.52

Record Number	Ration 1	Ration 2	lbs. N Excreted	lbs. P Excreted	lbs. K Excreted	lbs. S Excreted	Carcass Wt.	Carcass Wt.St.D.	Rib Fat inches	CarcBkevn $/cwt
1	1362 may		1745	292	542	125	547	00	.20	200
2	1362 june		2947	538	562	173	651	00	.20	187

Iowa DNR Reports

Explanation: Templates in pdf formats that are required for submittal by large confined feeding operations as defined by Iowa DNR for mail-in can be printed off in the INPUTS – PAPER area of the UPDATE DATA – MANURE screen (see following figure).

The ANALYSIS REPORTS – MANAGEMENT- MANURE area can be used to generate the Quarterly and Annual NPDES reports if the daily weather and facility manure data are recorded. To generate these reports, indicate the starting date and select the facility before picking your quarterly or annual report menu option.
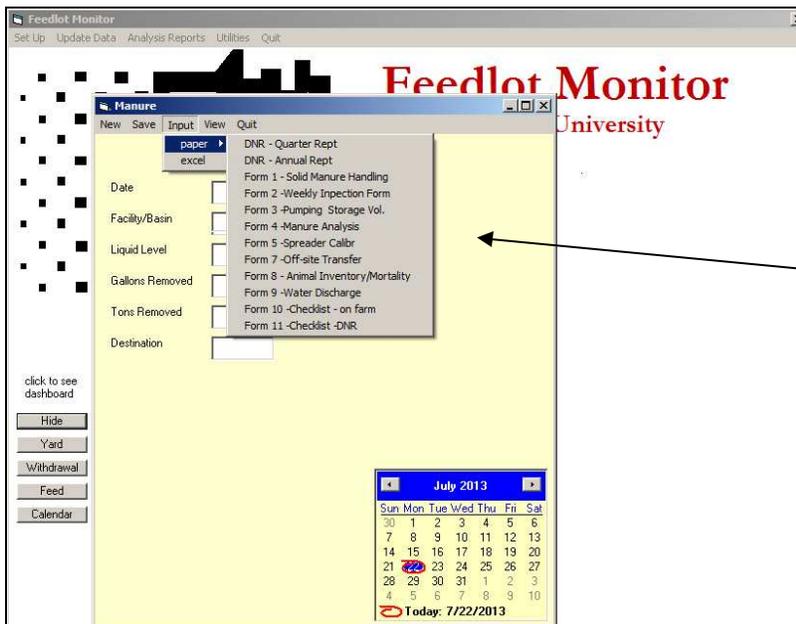
Paper Report Templates. You will need a pdf reader to view these.

Manure Report

Quarterly Report   Annual Report   Quit

Date Starting:

01/01/2013

Facilities

home pens

home monoslo
home pens
kdz yards
sw monoslope
sw monoslp

* A starting and an ending date can be added above to limit the number of records displayed.
If no dates are provided all records are shown.

Form used to generate NPDES Reports

Utilities

Archive / UnArchive Feeding-Lots

Explanation: This area allows Feeding-Lots that have been closed out to be archived. Archiving closed outs Feeding-Lots is advisable since it frees up data file memory and reduces the chance of corrupting these existing data files. It is necessary to un-archive a Feeding-Lot prior to viewing the data. Feeding-Lots can be un-archived whenever desired. Note that feed records go with the lot so if tracking inventory you will need to reduce feed inventories by the amount fed to the lot archived after archiving to keep accurate.

Navigation: UTILITIES – ARCHIVE

To Archive

1. Go to UTILITIES – ARCHIVE

2. Select the Feeding-Lot that you need to Archive. Note that Feeding-Lots must be sold out before they can be archived. (In list under the ARCHIVE button.)

3. Select the ARCHIVE button. The archived Feeding-Lot will be placed into a folder in the directory holding the Feedlot Monitor. The folder will be labeled with the year the Feeding-Lot was started.

To Un-Archive

1. Go to UTILITIES – ARCHIVE

2. Select the Feeding-Lot that you need to Un-Archive. (In list under the UNARCHIVE button.)

3. Select the UN-ARCHIVE button. The un-archived Feeding-Lot will be placed back into the active Feedlot Monitor directory.
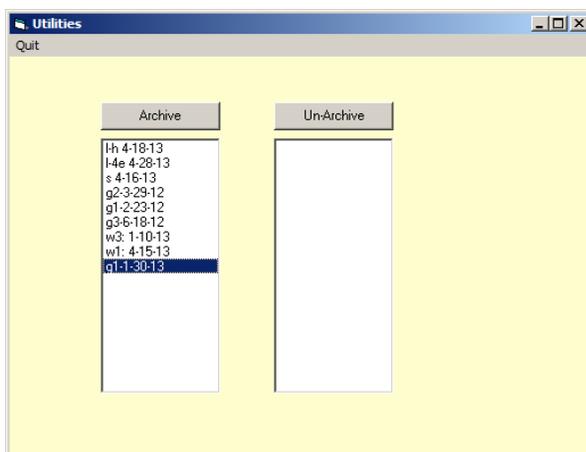
After Archiving go to the UPDATE DATA – FEED – FEED INVENTORY area and for each feedstuff fed that is tracked for inventory you will need to need to manually remove the total amount fed to the archived lot.

The closeout or the ANALYSIS REPORTS-ACCOUNTING - FEED area will provide this information.

Utilities

Backup / Restore Feeding-Lots

Explanation: This area allows Feedlot Monitor Data to be backed up to a user designated drive and directory. This area also can be used to restore backup data.

Navigation: UTILITIES – BACKUP

To Backup

1. Go to UTILITIES – BACKUP

2. From the SOURCE, select the drive and then the directory holding the Feedlot Monitor files.

3. From the DESTINATION, select the drive and directory to where the backed up files should be copied.

4. Select the BACKUP button. All the files listed in the selected directory will be copied to the DESTINATION.

To Restore

1. Go to UTILITIES – BACKUP

2. From the DESTINATION, select the drive and then the directory holding the backed-up Feedlot Monitor files that you wish to restore.

3. From the SOURCE, select the drive and directory where the back ups should be restored (the original source directory). Normally this would be the ISUBEEF directory on the "C" drive.

4. Select the RESTORE button. All the files listed in the selected DESTINATION directory will be copied back to the SOURCE.
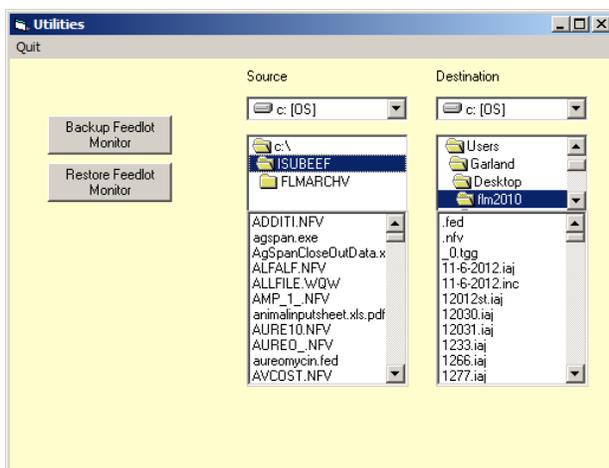
Utilities

Cleanup

Explanation: When individual cattle are monitored in the Feedlot Monitor it is possible that individual tags (cattle) may be misplaced from an active Feeding-Lot, mistakenly placed into the system in error or forgotten in terms of record keeping. These orphaned tags will appear on this screen and can be removed from the system or updated to the current location or status.

Navigation: UTILITIES – CLEANUP

To Update Info

1. Go to UTILITIES – CLEANUP

2. A list appears showing ear tags that are not associated with a Feeding-Lot. If it happens that the tag is active but just not placed into the correct Feeding-Lot, select UPDATE from the menu and through the program screen or via the Excel sheet provide the location and necessary data to bring the tag / animal up to date.

To Delete from System

1. Go to UTILITIES – CLEANUP

2. Select the tag (animal) from the list that should be removed from the system.

3. Select DELETE from the menu.
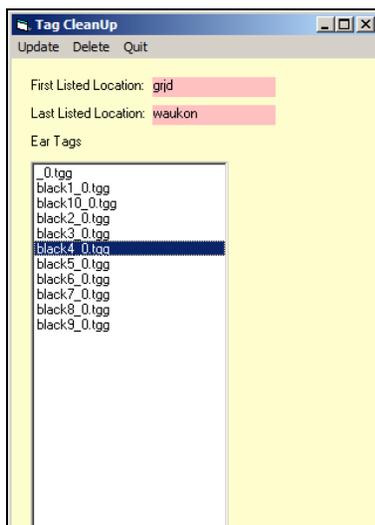
Occasionally ear tag data gets mixed up and old tags are not removed. To take of this, this screen allows access to these records and lists unclaimed tags.

Utilities

Export to / Import from BRaNDS

Explanation: If you are also using the Iowa State BRaNDS program for balancing rations you may want to import your BRaNDS Feed Libraries and Rations into your Feedlot Monitoring program. This utility allows this possibility to occur.

Navigation: UTILITIES – TRANSPORT

To Import Info from BRaNDS to Feedlot Monitor

1. Go to UTILITIES – TRANSPORT

2. In the EXTERNAL SOURCE /DESTINATION area, select the drive and directory (and sub directory in some cases) containing your BRaNDS program files.

3. Choose the option button that would show Feed Libraries, Feedyard Rations, etc and the files containing this information will appear in the file list box below the directory list box.

4. Select the Feed Library or Ration that you wish to Import from BRaNDS to the Feedlot Monitor.

5. Select the IMPORT button to finish the job.

    NOTE that if a Feed Library is imported from BRaNDS, all of the individual feedstuffs will be added to the OXFEED.IAJ file in the Feedlot Monitor. These feeds can then be viewed, deleted or edited from the SET UP – FEED – FEEDSTUFFS area of the Feedlot Monitor.

    NOTE that if a ration is imported from BRaNDS, the ration will appear on the Feedlot Monitor Files list on the right hand side of screen.

    NOTE that you if you want to import a Ration you will need to also have the Feed Library imported as well and that the feed names in the Ration will need to match the feed names in the Feed Library. In this same thought, be sure to open up the SET UP – FEED – RATION area of the Feedlot Monitor and review the names of the feeds in the ration and make sure they match the feed names in the Feed Library.

    Note that no feed name has a "/" or "\" character in the name. If you find these characters, change the feed name in the feed file and in the ration file.

To Export Info from Feedlot Monitor to BRaNDS

1. Go to UTILITIES – TRANSPORT

2. In the EXTERNAL SOURCE /DESTINATION area, select the drive and directory (and sub directory in some cases) containing your BRaNDS program files.

3. Choose the option button that would show Feed Libraries, Feedyard Rations, etc and the files containing this information will appear in the FEEDLOT MONITOR FILES list.

4. Select the Feed Library or Ration that you wish to Export from the Feedlot Monitor to BRaNDS from the FEEDLOT MONITOR FILES list.

5. Select the EXPORT button to finish the job.

   Note that if a ration file is selected for export it will be given the same name as in the Feedlot Monitor.

   Note that you do not need to select a feed library since there is only one feed library associated with the Feedlot Monitor (the OXFEED.IAJ file). This file will be established as FLM.iaj in the BRaNDS program and will contain all the feedstuffs currently in the Feedlot Monitor.

   .
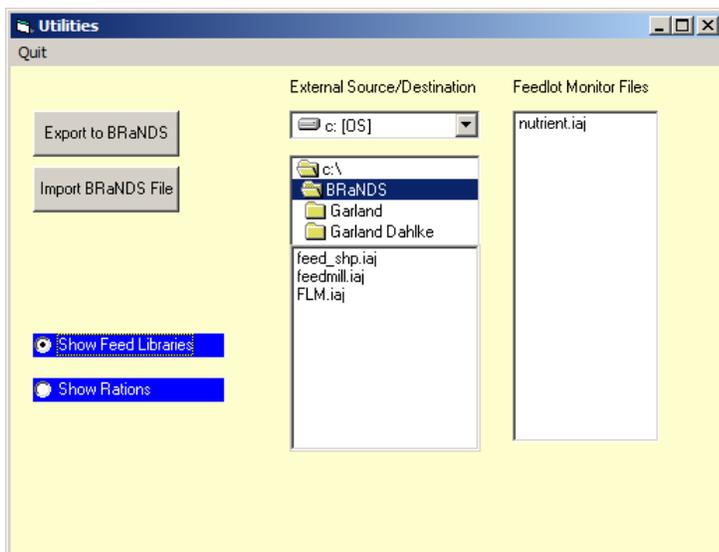
Fixing Errors

Setup area: Fixing input errors in the SetUp area of the program are done by:

1. Re-selecting the saved item from the list which shows what has already been saved.

2. Typing over the old data with the new.

3. Select SAVE from the menu. Once done the Feeding Period needs to be recalculated.

Update Data area: Data that is generally entered in the Update Data area or into a feed inventory or drug/health product inventory or the sale/addition of animals becomes an itemized account can be fixed in the Analysis / Reports area in the appropriate account as follows:

1. Go to ANALYSIS REPORTS - ACCOUNTING .

2. Find the appropriate account – (Feed, Cattle, Nonfeed Variable, Income, Drug/Products).

3. Select the name of the item involved and the Feeding Lot name can also be selected to limit the field.

4. Find the record in error and notice the Record Number.

5. Select UPDATE from the menu and then on the input screen that appears type in the record number of the record in error.

6. Make the correction and SAVE. Once done the Feeding Period needs to be recalculated.

ReCalculating the Feeding Period: Whenever changes are made to existing records or if cost records are added after a Feeding Period is already entered, the already recorded feeding periods will need to be brought up-to-date since does not happen automatically. If you do not know or remember adding anything to an existing Feeding Period, do the following as well since it will not hurt anything, but ensures all data is current.

1. Go to ANALYSIS/REPORTS – ANALLYSIS – MANAGEMENT – FEED – FEEDING PERIOD

2. Select the Feeding lot involved

3. Select RECALCULATE from the menu. If you made changes to the feed prices use the RECALCULATE WITH ALREADY CORRECTED FEED PRICES. The other option will make the corrections and use the originally entered feed prices.

If Dates on a Recorded Feeding Period are Wrong: There is no way to fix this except for removing the last Feeding Period and re-entering it correctly.

1. Go to ANALYSIS/REPORTS – ANALLYSIS – MANAGEMENT – FEED – FEEDING PERIOD

2. Select the Feeding lot involved

3. Select DELETE from the menu. This will remove the last entered Feeding Period. If the error is earlier than the last entered record, keep selecting the DELETE menu item until the record in error is removed.

4. Re-enter the correct information now for the records that have been removed.

Investor Bills: If investor bills are wrong on custom fed cattle, the only way to fix them is to delete the old bill and then calculate a new one.

1. Go to UPDATE DATA – INVESTOR – BILL CALCULATION

2. Select the Feeding Lot with the error and then select DELETE LAST BILL from the menu. If the error is earlier than the last bill, select this menu item again and again until the bill in error is removed.

3. Recalculate the bills now, but be sure to provide the correct billing dates as the bills are being recalculated and saved.

Deletion Screen

Explanation: All itemized records can be deleted manually through the use of the Deletion screen shown below. This screen can be brought up by selecting DELETE from the screen menu when viewing the itemized records. Once the Deletion screen appears you only need to type in the record number that you wish to remove.

To remove a Single Record

1. Locate the record number that needs to be removed.

2. Type in the record number in the top input box and select the DELETE RECORD button.

To remove a Series of Records

1. Locate the record numbers that need to be removed.

2. Type in the first record number in the first, lower input box and the last number in the second, lower input box and select the DELETE RECORDS button.

3. All records including the first record number provided and last record number provided will be removed. BE CAREFUL SINCE THIS REMOVES A SERIES OF NUMBERS AND ALL RECORDS INCLUDING THOSE NOT SHOWING ON THE SCREEN WILL BE permanently deleted.

Fixed Cost Section

Navigation: *SET UP – Fixed Cost*

Explanation: This area is optional and is mainly an area to help guide the yardage charge.

To Provide Data

1. Go to the SET UP – FIXED COST area of program.

2. The costs are broken into three categories. These can be provided or the total indicated.

3. Select SAVE from the menu when done.

To edit:

Revisit SETUP – FIXED COST.

Put in new values and SAVE

The fixed cost calculation is divided over the number of cattle on feed. When the Feeding Period information is entered the fixed cost charge is shown below the designated facility yardage charge.

In the example the facility yardage charge is set currently at 38 cents per head per day. The fixed charge is currently running 22 cents per head day.

If this is appropriate the yardage is left if it is not the correct yardage charge can be changed.

Verification Program Section

Navigation: *SET UP – Verification*

Explanation: Optional, but if cattle are involved in a marketing verification program, the verification program name can be set up once and used as cattle enter pens as a way to reduce typing. The verification information usually requires individually tagged animals and therefore reports that involve this are found in the UPDATE DATA – CATTLE – EAR TAG DATA area.

To Provide Data

1. Go to the SET UP – VERIFICATION area of program.

2. Select NEW from menu and fill in blanks.

3. Select SAVE from the menu when done.

To View, Edit or Update Data:

1. Go to the SET UP – VERIFICATION area of program.

2. Type over with correct information.

3. Select SAVE from the menu when done.

Yard Contact Section

Navigation: *SET UP – Yard Contact*

Explanation: This area allows contact information of the Feedyard to be provided and this information will appear on Billing Statements and other printouts.   Participation in the Iowa State Benchmark program also requires this information to be provided.   This only needs to be provided once, but can be updated at any time.

To Provide Data

4. Go to the SET UP – YARD CONTACT area of program.

5. Select NEW from menu and fill in blanks.

6. Select SAVE from the menu when done.

To View, Edit or Update Data:

4. Go to the SET UP – YARD CONTACT area of program.

5. Type over with correct information.

6. Select SAVE from the menu when done.

Closeout & Bench Mark

Explanation: When a Feeding Lot is sold the data from this group can be summarized and placed into a closeout report. This data can also be automatically sent to the Iowa Beef Center via email when printing the closeout if your computer is connected to the internet and you provide permission. Those who provide data will be enrolled in the Beef Center's Bench Mark program and will receive summary reports back via email.

Navigation: ANALYSIS REPORTS – MANANGEMENT – CLOSEOUT
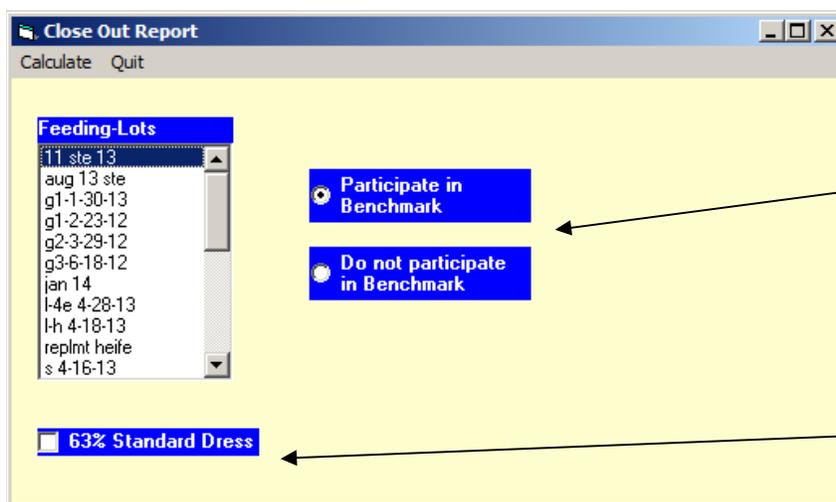
Select the Feeding Lot and then CALCULATE from the menu.

To participate in the Iowa Beef Center Bench Mark program, check this option.

To standardize the end weight to a 63% dressing percent in your analysis, check here.

Notes on the Bench Mark Option

The Bench Mark data is sent automatically if the Feeding Lot is completely sold off and the CALCULATE – PAPER selection is made from the menu. This data is then emailed to the Iowa Beef Center and compiled. Results are sent back to participants. To become enrolled in this program the only requirement are:

1. That you provide your contact information on the Yard Contact screen contained in the program.

2. Have your computer which runs the Feedlot monitor connected to the internet.

3. Allow closeout data to be submitted, which will occur automatically when CALCULATE-PAPER is selected from the menu.

Closeout Report

```
Feeding Lot:  11 ste 13                        Date Fed: 11/11/2013 - 07/31/2014

DESCRIPTION                 FEED        TOTAL $   TOTAL lbs  % DM  DM/HD   $/UNIT
===========                 ====        =======   =========  ====  =====   ======
Management: Conventional
Facility:    shelter        orchard gras    19.1       693    83   28.8    55.0
calf    -steers-beef        distiller gr  2595.6     21630    88  951.7   240.0
Head Started: 20 (750 lb)   corn- dry     3628.9     33870    85 1439.5     6.0
Head Sold:    20 (1410 lb)  grower miner   659.5      1649    98   80.8    20.0
Death Loss:   0  (0.0%)     cornsilage-m   687.8     27513    40  550.3    50.0

PURCHASE LOT/ SOURCE        TOTAL POUNDS (AF): 85355   (DM): 61020    71.5 %DM
54-89        / dyersville

NOTES:


ANIMAL PERFORMANCE          COST SUMMARY        $/UNIT      $/HD       TOTAL $
==================          ============        ======      ====       =======
Total Beef In:    15000 lb  feed            199.97 $/tn DM  379.54     7,590.89
Total Beef Out:   28200 lb  yardage           0.32 $/hd/d    56.80     1,136.00
Avg.Carcass Wt.:  874.2 lb  interest          0.11 $/hd/d    19.59       391.85
Actual Dress:     62.0 %    treatments        0.03 $/hd/d     5.05       101.00
Yield Grade 4+5:  10.0 %    processing        0.03 $/hd/d     6.00       120.00
Choice:           90.0 %    health products   0.06 $/hd/d    11.23       224.70
                            cattle            1.27 $/lb     950.00    19,000.00
Feeding Days:     263
Avg Days Fed:     177.5      TOTAL COST                     1428.22    28,564.43
ADG:              3.72 lb
Feed/Gain:        5.75       INCOME SUMMARY
DMI (avg):        21.39 lb   =============
AFI (avg):        24.04 lb   cattle            1.24         1745.00    34,900.00
Final NEg:        63 Mcal    board of trade    0.02 $/hd/day   4.00        80.00
     eNDF:        10 %
     NFC:         51 %       TOTAL INCOME                    1749.00    34,980.00
                            NET INCOME         0.23 $/lb     320.78     6,415.57
          Intake    Pulls
1st Qrt:  0.82       3
2nd Qrt:  0.95       0
3rd Qrt:  0.98       5
4th Qrt:  0.79       0

$ PERFORMANCE
=============
           Feed     Total
$/Day:     2.14     2.69
$/lb Gain: 0.58     0.72

Breakeven $/cwt:  101.29
less interest:     99.90
```

These values will adjust if the 63% Carcass standard is chosen

Performance Calculations

Feeding Days = first day of first feeding period through the last day of the last feeding period.

Avg. Days Fed = actual average number of days cattle have spent in the feeding lot.

ADG = (out Wt – In Wt.) / Avg Days Fed

Feed:Gain = Total DM / (Total Beef Out – Total Beef In)

DMI (avg)= Total DM / (Head Sold x Avg. Days Fed)

AFI (avg)= Total DM / (Head Sold x Avg. Days Fed)

Ration Nutrients – these values are from the last ration fed

Quarterly Reports -These quarters are based on the time the cattle are on feed. The intake comparison compares actual feed intake divided by what is expected as intake. Pulls is the number of health treatments or deads recorded.

Feed Data

Total Lbs = the total pounds of feed delivered to the Feeding Lot on an as –fed basis

% DM = the feedstuff's dry matter

DM / Hd = (% DM x Total lbs) / Head Sold

$/Unit = the average unit price for the feed with the unit being user defined in the Feedstuff SetUp area (tons, cwt, bushels, etc).

$ Performance

Feed -$/Day = Total Feed Cost / Total Head Days on sale-able animals

Total -$/Day = (Total Cost – Cattle Cost) / Total Head Days on sale-able animals

Feed -$/ lb Gain = Total Feed Cost / (Total Beef In - Total Beef Out)

Total -$/ lb Gain = (Total Cost – Cattle Cost) / (Total Beef In - Total Beef Out)

Breakeven $/cwt = Total Cost / Total Beef Out

Breakeven $/cwt (less interest)= (Total Cost – interest charge) / Total Beef Out

Net Income = Total income minus total cost. Given per head and overall.

Feed Delivery Calculation Aids

Program Forms A & B

Explanation: The two following items can be used to calculate feed delivery recipes

Navigation: UPDATE DATA – FEED+FEEDING PERIODS – FEEDING PERIOD [Batchsheet A or Batchsheet B]

-Batchsheet A

When Batchsheet A is selected the following screen opens. This screen is only for making daily batch mix sheets on a daily basis. It does not save data to Feeding Periods like the Batchsheet B does.

On this screen the ration to be fed is selected. The Feeding Lots that you plan to feed this ration are then selected and when this happens the previous day's feed delivery appears. You can then enter the bunk score that resulted from the last feeding and the program will make a suggested delivery call for the next feeding. You may type over the percent change if you wish. Once these values are in place, select LOAD from the menu or the button and the delivery calls are made. You may then print out the batchsheet (see next page) by selecting BATCHSHEET from the menu.

Feeding Lots indicated and previous day's feed deliveries shown.

Bunk Score will direct the percent adjustment for the next feeding and the LOAD button will calculate the next feeding's amount.

```
Batch Sheet
   Quit

r5a                                                    11/11/2013

        Feeds          Wt.            Scale Wt.
stalks            467.9               468.

2corn             3410.5              3878.

liquid            296.                4174.

wdgs              6754.7              10929.

bromeh              .                 10929.

silage            1350.9              12280.


   Feeding Lot      Target Wt.      Delivery Wt.    Bunk Score

268r1               3136.           _____  _____

268b2               3356.           _____  _____

268pr3              2978.           _____  _____

268w4               2810.           _____  _____

                      .             _____  _____

                      .             _____  _____
```

The resulting Batchsheet report that appears when the Batchsheet A screen is filled out.

Mixing recipe

Target Delivery

Lines for feeder to write in actual delivery (for data entry into Feedlot Monitor) and the resulting bunk score observed prior to next feeding.

The results of what occurs on Batchsheet A will then need to be manually entered into the Feedlot Monitor. If Batchsheet B is used (see following 2 pages) the data is entered into the Feedlot Monitor automatically.

-Batchsheet B

When Batchsheet B is selected the following screen opens. On this screen the ration being fed or Ref. Ration is selected. Provide the date of ration delivery, the batch name (may be Ref Ration if you are able to follow amounts correctly and the actual amounts of ingredients mixed. Below, select the Feeding Lots receiving this mix along with the pounds delivered, yardage and maintenance ratio. Select SAVE from the menu and the Feeding Periods for the date indicated will be entered automatically. If you make a mistake you will need to go through the steps indicated on page 92 of this document.

Feedstuffs will appear along with proportions when the Ref. Ration is selected.

The desired amounts appear once the Quantity is mentioned

If something is added to the Ref Ration you may select and indicate the amount.

Those Feeding Lots which will be getting this ration can be selected

Provide the quantity to deliver to each Feeding Lot along with yardage and maintenance ratio.

Select PRINT from the menu to make a paper recipe sheet as show in the following figure.

Batchsheet B Report

```
Batch Sheet

 Date        03/05/2013    Ref.Ration   finish 3 1     Batch Name    mo fin 3 1

 Feed                      Desired Amount   Scale         Actual Amount
_____

 corn silage               3907.0          3907        _____
 distiller gr              3255.8          7162.8      _____
 grower miner              325.6           7488.4      _____
 corn- dry                 6511.6          14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____
                           0.0             14000       _____


 Feeding Lot               Target          Actual            Yardage        MaintRatio
_____

 jan 14                    10400        _____        _____     _____
 bull test                 2100         _____        _____     _____
 dev heifer                1500         _____        _____     _____
                                        _____        _____     _____
                                                          _____     _____
```

You may print this report out
and use as a mixing recipe
sheet for the current time

Handheld (Android) App

Explanation: The following item can be used to record batch mixes and feed delivery to an Android device which then can be emailed to your home computer/Feedlot Monitor

Navigation: UTILITIES – EXPORT to HANDHELD

-Handheld (Android) App
1. Go to the ***http://www.Iowabeefcenter.org/feedlotmonitor.html*** webpage and download Feedlot Monitor Feed Mix & Delivery App.

2. From EXPORT to HANDHELD page in Feedlot Monitor indicate the email address you wish to use for sending your data files (Email your data to yourself)

> a. Note that you need to be connected to the internet to do this.
> b. The SEND EMAIL button on this screen will automatically send the data files needed.
> c. Be sure to re-email data from the program to yourself each time you add new Feeding Lots or reference Rations

3. From EXPORT to HANDHELD page in Feedlot Monitor indicate the email address you wish to use for sending your data files (Email your data to yourself)

Send initial data by providing email and selecting 'Send Email' button

When retrieving data use the Drive listing, Directory listing and the File listing to find the 'txt' files (will have Feeding Lot name with 'txt' extension).

Select the file

Select the LOAD into COMPUTER button.

4.Your Handheld device should have received your email. Open the Feed Mix & Delivery app
(see next page)

A. Open App

B. Select reference ration and ration will load then select other feeds to add if necessary.

C. Provide a Batch ID, indicate target batch weight and select CALL button. Target weights of ingredients will appear.

D. Indicate the actual amounts dumped into mixer and select SAVE if everything is added. Use RESET to fix mistake.

E. When SAVE is selected the Batch delivery screen appears automatically.

F. Select the first pen that the batch will be Delivered to and then the amount delivered.

G. Select other pens that will receive feed from the current batch along with the weight delivered.

H. Provide your email address to send data and hit EMAIL button. **You do not need to email each batch separately but can do several batches before sending the email.**

5. Your data from the handheld will be sent to your email address as an attachment. You will need to take the attachments and place them into your ISUBEEF directory on your computer's 'C' drive (or local disk 'C").

Paste or drag data files in here. We get to this screen by using the Windows File Manager
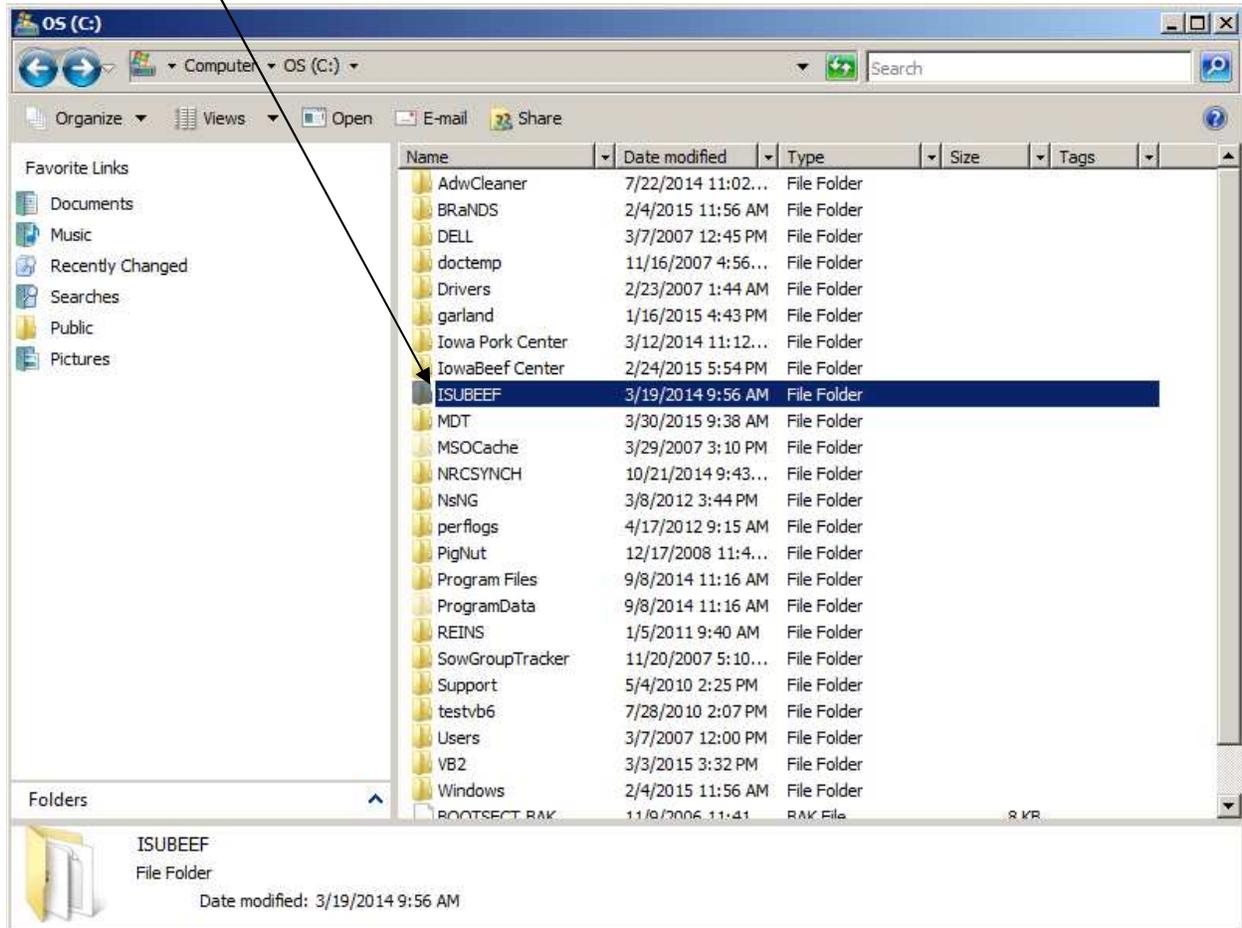
IMPORTANT!
Each time you transfer from the email to the ISUBEEF directory you will be replacing the previous transferred data files with the new ones. Therefore you need to process this data in the program prior to copying by going to :

a.UPDATE DATA – FEEDING PERIOD – NORMAL

b.Select the Feeding Lot and then select RECALCULATE from the menu bar.

c.Repeat for each Feeding Lot with new data.

Import Feed Wagon Scale Data

Explanation: A number of Feed Wagon Scales have software that tracks load size and ingredient inclusions during loading. This data can be dumped automatically into the Feedlot Monitor through the following area. Currently the Feedlot Monitor is compatible with Digi-Star but we may be able to accommodate other scales upon request.

Navigation: UTILITIES – SCALE DATA

BEFORE ATTMPTING THIS:

1. Go to the SETUP – FACILITIES area and rename or add facilities/pens that match the pen designations in your DIGI STAR system. These names need to be entered exactly character by character. The Feedlot Monitor will convert to lower case characters. You may select the already entered facility names from the list and then just re-type and SAVE for facilities already entered. If a facility has many pens with different feeding groups of cattle, each pen needs to be entered.

2. Go to the SETUP – LOTS area and make sure that each Feeding Lot has the correct current Facility associated with it. Select each Lot and then select the Facility/pen the group is in.

3. Go to the SETUP – FEED – FEEDSTUFF area and make sure all feeds are entered into the Feedlot Monitor as they are entered into the DIGI STAR system. Select the entered feeds and then retype the feedstuff name to match. When you SAVE all records associated with the feedstuff will also be updated.
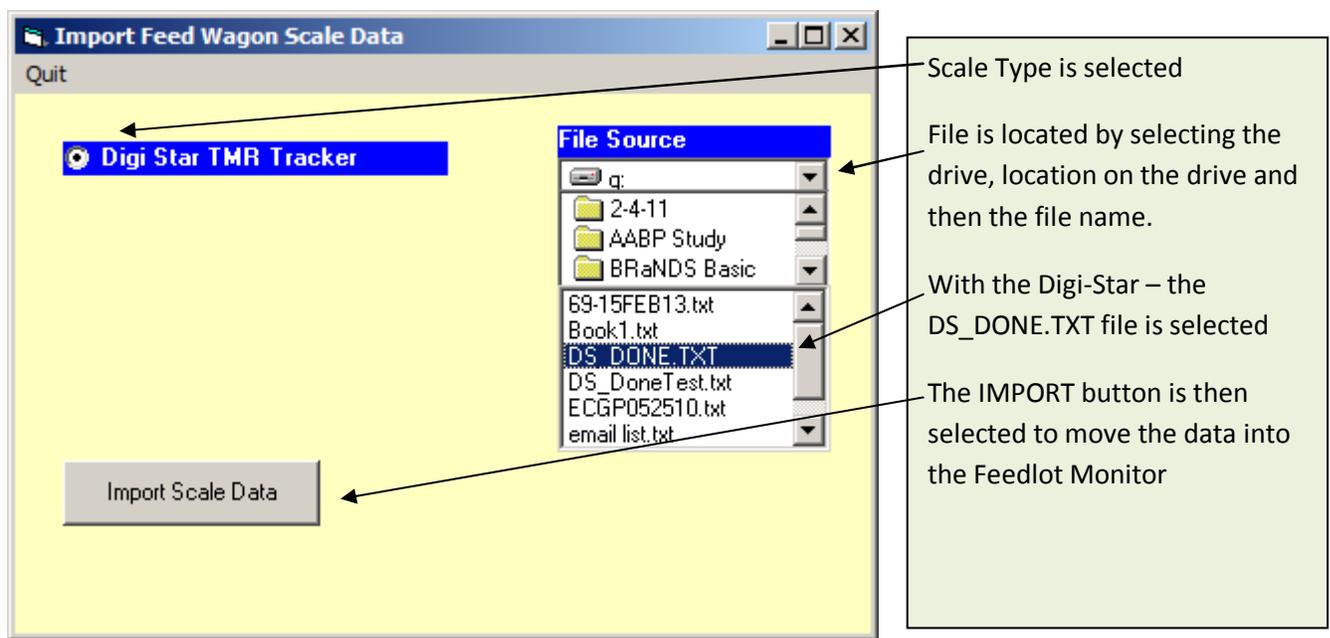
Scale Type is selected

File is located by selecting the drive, location on the drive and then the file name.

With the Digi-Star – the DS_DONE.TXT file is selected

The IMPORT button is then selected to move the data into the Feedlot Monitor

To create the DS_Done.Text file that is needed by the Feedlot Monitor

1. **BEFORE DOING THIS** you will need to make sure that:

   a. Your Feedstuffs in the Feedlot Monitor are named **EXACTLY** as you have them in your Digi-Star scale

   b. Your Facilities are named **EXACTLY** as your Pens in the Digi Star system.

   c. Go to your SETTINGS – LOTS area in the Feedlot Monitor and make sure the listed Feeding Lots are in the correct Pens/Facilities.

   d. On the Digi Star Indicator be sure that it records dates in the "mm/dd/yy" format.

2. From your Digi-Star software go to the Program Settings – General Settings –Communications area and on the following screen and make the selections as shown.

3. Select the Output Folder (area to where you want to place the data) and then give the name of the data file. On the following image it is named "DS_DONETEST.TXT". You may want to name it according to the date it was taken like 05112014 (May 12, 2014) in order to keep tabs on what you have done. *IT IS CRITICAL THAT YOU IMPORT FILES IN THE ORDER THEY WERE COLLECTED OR THIS THING WILL NOT WORK.*

4. After saving to the location that you choose, run the Feedlot Monitor as described above.

5. Once the file is imported be sure to go to the UPDATE DATA – FEEDING PERIOD – NORMAL area and then select each lot currently on feed and then select RECALCULATE from the menu to incorporate all of the other associated data with the feed data just imported.

Digi Star Display
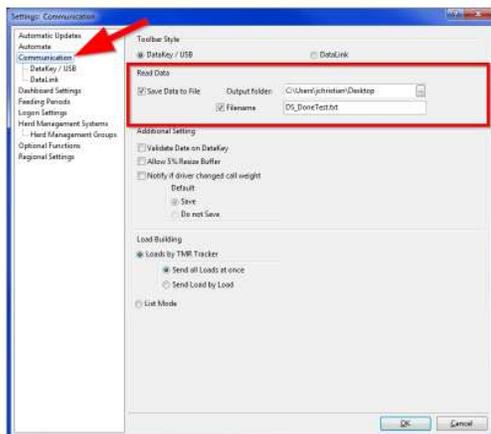
The text file that this makes would look like the following if viewed from Notepad

```
DS_DONE.TXT - Notepad
File  Edit  Format  View  Help
Rd.NEW EZ,S,I,M,3011,QLF   ,R25   ,   290,   310,   2  ,13:57,0,1-16-13,000001,    0,0,    87,   310,0
Rd.NEW EZ,S,I,M,3013,QLF   ,R26   ,   290,   330,   2  ,14:22,0,11-16-13,000001,   0,0,    87,   380,
Rd.NEW EZ,A,P, ,3013,F3    ,R26   ,  6790,  5660,   2  ,14:46,0,11-16-13,000254,    ,0,    87,   -10,
Rd.NEW EZ,S,P, ,3016,1     ,R21   ,  2100,  2220,   2  ,16:23,0,11-16-13,000144,    ,0,    87,  1190,
Rd.NEW EZ,S,I,M,3017,WDGS  ,R23   ,  2860,  3060,   2  ,15:08,0,11-16-13,000001,   0,0,    87,  7680,
Rd.NEW EZ,S,P, ,3018,27    ,R21   ,  1140,  1040,   2  ,15:57,0,11-16-13,000096,    ,0,    87,  3090,
Rd.NEW EZ,S,I,M,3019,STKS13,R26   ,    70,   200,   2  ,15:30,0,11-16-13,000001,   0,0,    87,  3210,
```

Projections

Pen Projection

Explanation: There are a number of projections that the Feedlot Monitor can produce. The primary projection apart from the Feeding Period Summary information which is based on actual feed intake is the time on feed projection shown below which can be ran on cattle at any time before or during the feedout.

Note if ultrasound data is obtained on a group the Feeding Summary (pg. 86) projection will also give a carcass weight and fat projection. If the ultrasound data is recorded on an individual animal the projection obtained from the ANALYSIS REPORTS – ACCOUNTING – TAG DATA [REPORTS – TAG PROJECTION] will give a projection on individually tagged animals (see pg 252).

Navigation: ANALYSIS REPORTS – MANAGEMENT – PROJECTION

Select the Feeding Lot that you want to project.

Select the ration(s) that you intend on feeding.

Indicate the dates starting and ending that the group will be fed the selected ration.

Provide your expected feedout data.

Current Status of Feeding Lot

The following reports are generated when CALCULATE is selected from the Projection screen's menu bar.

```
Feeding Lot Projection
Feed Use      Quit

268pr3                      Est. Sale $/cwt:      130        Yardage ($/hd/d) .4
                            Est. Bkevn $/cwt:     124.04     Other Costs/Hd    30
Current Bkevn $/cwt: 144.91 Net $/CWT:            5.96       Added Mortality: 1%

                                                  $ per lb Gain   $/Cwt
Date            DOF    Wt     ADG   DMI   AFI   DMR   $Feed  $Total  BrkEvn  Ration
_____
11/18/2013      39     990    4.3   25.9  49.2  2.6   0.41   0.62    143.79  r3
11/25/2013      46     1020   4.3   26.5  50.3  2.6   0.42   0.63    141.39  r3
12/02/2013      53     1051   4.3   27.1  51.4  2.6   0.43   0.64    139.15  r3
12/09/2013      60     1081   4.3   27.7  52.5  2.6   0.44   0.65    137.07  r3
12/16/2013      67     1111   4.3   28.2  53.6  2.5   0.45   0.66    135.13  r3
12/23/2013      74     1141   4.3   28.8  54.7  2.5   0.46   0.67    133.31  r3
12/30/2013      81     1172   4.3   29.4  55.8  2.5   0.47   0.68    131.62  r3
01/06/2014      88     1203   4.5   29.4  56.5  2.4   0.42   0.63    129.86  r4
01/13/2014      95     1234   4.5   30.0  57.6  2.4   0.43   0.64    128.15  r4
01/20/2014      102    1266   4.5   30.6  58.7  2.4   0.44   0.64    126.55  r4
01/27/2014      109    1297   4.5   31.2  59.8  2.4   0.45   0.65    125.05  r4
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
02/01/2014      114    1320   4.5   31.6  60.6  2.4   0.45   0.66    124.04  r4
```

Animal performance

```
Feeding Lot Projection
Cattle Performance    Quit

    268pr3

    Feedstuff         Units        $          lb/unit
    _____
    bromeh              6.6      1012.4       2000
    hmcorn           1164.2       847.5         56
    syrup              16.3      1073.0       2000
    stalks              6.6       492.8       2000
    silage             30.8      2768.4       2000
    liquid              3.0       732.4       2000
    wdgs               47.2      3005.5       2000
```

Feed use and cost

Risk Management

Explanation: The risk management area of the Feedlot Monitor is an optional area that can be used to record price risk management transactions. Dollars made or spent in this area are recorded automatically to the "risk_mngt" cost and income accounts associated with the Feeding Lot they were assigned.

Navigation: UPDATE DATA – RISK MANAGEMENT

Risk Management Screen (with example data)

Inputs

Record # = the record number assigned to the contract when originally entered. Use this number to specify the contract when deleting or updating. This number appears automatically when the contract name/number is selected from the Contact List.

Contract ID = the name used to identify the management contract.

Contract Origin = is the place or vender of the risk management contract.

Type = indicates if this is a futures, option, insurance or other type of contract.

Item = indicates if the contract is used to protect feeder cattle price, feed price or fat cattle price.

Buy/Sell Protection = use to indicate if the contract is being put in place to protect the price you pay for inputs such as feeder cattle, feed (Buy) or the price you receive for finished cattle (Sell).

Description = the description of the contract's purpose.

Contract Size = the amount of the input or output in terms of size by weight, for instance 1 contract of live cattle is 40,000 pounds – so enter 40000. Therefore if corn is involved, convert from bushels to pounds.

Date Established = the date the contract was put in place.

Date Closed = date the contract was closed or settled.

Price Established = the price the commodity was protected.

Total Income…. = the total amount of revenue that was made (if any) on the contract.

Total Fees…..=the total dollars spent as well as lost on the contract.

Feeding Lot = the name of the Feeding Lot already in the Feedlot Monitor that the contract will be applied to. A contract can be applied to more than one Feeding Lot.

Percent Allocation = the percent of the contract that should be applied to the selected Feeding Lot.

The **REFRESH** button will show the breakdown regarding how much feeder calf, feed and finished cattle value is covered by applied contracts.

Data Entry
Enter data by typing in the inputs just mentioned and selecting SAVE from the menu. Edit or add to these values at any time by selecting the contract name from the list and then updating the information. The Feeding Lots that the contract are applied to can be selected and the percent of the contract being applied to the selected Feeding Lot can be typed in. Select SAVE when these changes are made.

When a contract is applied to a Feeding Lot the income and expense from the contract as recorded on this screen will be automatically recorded as an itemized cost or income record for the Feeding Lots associated with the contract according to the percent breakdown indicated.

Delete contracts by selecting the contract from the list and then selecting DELETE from the menu bar.

Reports
Reports showing all contracts can be obtained by selecting VIEW CONTRACT from the menu bar. To limit the number of contracts displayed you may specify a starting date in the Date Established input to list all contracts on or after that date. You may indicate the Type or Item as well to limit the output. If

you select a contract from the list, only that contract will appear. If the contract is picked, all Feeding Lots associated with this contract will also be listed.

Reports based on the Feeding Lot can be obtained as well. Select the Feeding Lot from the Feeding Lot List and then VIEW LOT from the menu bar to obtain a report similar to the example below.

Top line shows data on the contract itself

Following line indicates the percent of the just listed contract that applies to the Feeding Lot. In this example 40% of the contract applies and therefore covers 16000 pounds of finished cattle

The bottom gives a summary of what has been covered so far by the contracts for the selected Feeding Lot

Appendix A

Necessary Steps to Use Feedlot Monitor - With Example Data

This tutorial goes through the necessary steps to enter data into the Feedlot Monitor and generate reports. Example data is provided to help illustrate the procedure, please consider entering the example data to speed up the learning process.

Situation: A pen of cattle is purchased in partnership with an investor. The cost split is 70% owned by the Feedyard and 30% owned by the investor. Interest on invested money will be valued at 4%, Yardage is set at $0.40 /head /day. The Investor will be billed monthly. The other data will be indicated as the example progresses in the following text.

First Level – *these are the bare minimum inputs required*

1. Facility
2. Feed
   a. ID Feedstuffs Nutrient Analysis
   b. Inventory of Feedstuffs
   c. Rations
3. Feeding Lot
   a. Investor Involvement
   b. Feeding Lot ID
   c. Cattle Inventory
4. Feeding Period Data
5. Marketing Animals
6. Review Reports
   a. Feeding Periods
   b. Closeouts
   c. Yard Report

Second Level –*required to obtain a complete closeout or billing invoice*

1. Yard Contact
2. Non FeedCosts
3. Non Cattle Income
4. Billing Investors
5. Health
   a. Drugs Products
      i. ID Drugs Products
      ii. Drug Product Inventory

b. Processing
    i. Protocols
    ii. Record Processing
c. Treatment
    i. Protocols
    ii. Record Treatments

Third Level – *optional inputs*

1. Identify Venders
2. Identify Sale Outlets
3. Fixed Costs
4. Projection
5. Manure
6. Environment & Weather
7. Risk Management
8. Calendar
9. Individually ID Animals
10. Verification Programs

Level Four – *items that may make data management easier*

1. Use Excel Templates
2. Import Data from Feed Wagon Scales
3. Import Health Protocols
4. Import/Export BRaNDs Data
5. Archive/ Unarchive Feeding Lots
6. Backup/Restore Data

First Level

Starting From the Main Menu
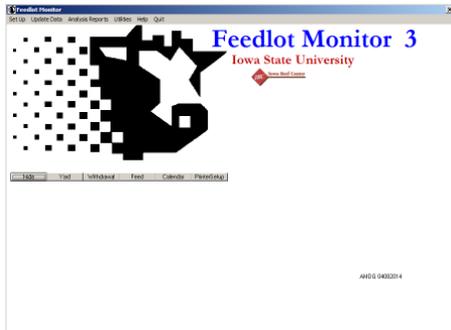
1. **Facility**
   a. **Provide Facility information first**
   b. **Go to SETUP-Facilities**
   c. **Indicate the name of the facility, the type of facility and the yardage charge in $/hd/day that you will probably need to charge. The other inputs are optional.**
   d. **Select SAVE.**
   e. **If you need to edit, select saved facility from list, update and re-save.**

Facility named "Home Pens" is entered

Facility Type selected = shelter

Yardage is set to $0.40 in this example.

2. **Feed**
   a. **ID Feedstuffs Nutrient Analysis**
      i. **Go to SETUP-Feedstuffs-Feed**
      ii. **Name the feedstuff, provide the nutrient analysis, indicate the pounds per unit that you use to price the feed – enter the feedstuffs below**
      iii. **Select SAVE**
      iv. **If you need to edit, select saved feed from list, update values and re-save**

Enter the following feedstuffs into the program.

To do this quickly, use the default values obtained by selecting the "?" button.

Feedstuff	Lbs/Unit
Corn_dry	56
Orchard Grass	2000
Dry Distillers	2000
Corn Silage	2000
Grower Mineral	50

   b. **Inventory of Feedstuffs** – record units and value of feed
      i. **Select INVENTORY from Feed Analysis screen menu or UPDATE DATA – Feed – Feed Inventory from Main Menu.**
      ii. **Select the first feedstuff that needs inventory data recorded from Feedstuff List**
      iii. **Check or uncheck if the "Inventory Kept" box to indicate if the units received and existing units will be monitored too.**
      iv. **Check the "Add to Inventory" box.**
      v. **Provide the data (see in grid that follows). Note that if the "Inventory Kept" box is checked, the total units and total values are to be recorded. If this box is not checked, you may record "1" for total units and the value per that 1 unit.**
      vi. **SAVE**
      vii. **If you make an error, select VIEW from the menu. Then you can select the feed and view the record, make the update and re-save.**

Feedstuff selected

Inventory Kept checked or unchecked

First entry is always selected as "Add to Inventory"

Data below is then provided

	Inventory Check	Origin	Total Units	Total Value	Date
Corn		Home	1	4.35	1/1/14
Orchard grass		Home	1	100	1/1/14
Distillers grain	x	Plant	62	10540	1/1/14
Corn silage		Home	1	44	1/1/14
Grower mineral	x	feedmill	28	560	1/1/14

Select VIEW from Feed Inventory screen or ANALYSIS REPORTS – Accounting – Feed from Main Menu to access entered feed data and make corrections.

Pick Feed, then VIEW RECORDS to screen

c. **Rations** – rations can be recorded after feed inventory is entered
   i. **Go to SETUP – Feed – Rations**
   ii. **Indicate Ration ID (name), select each feed used, indicate the amount or percent of each feed ingredient.**
   iii. **SAVE**

iv. **Make corrections by selecting the recorded ration from the list, make the updates and re-save.**

Rations — New Save Edit Batch Sheet Input Sheets Delete Calendar Print Help Quit

Record Number

Ration ID: finisher1

Calculate button>>>   [?]   As-Fed Feed Amount

starter — 1

Feedstuff	cornsilage	32550		
Feedstuff	distiller gr	23200	Feed Dry Matter %	68.26
Feedstuff	grower miner	1160	Cr.Protein %	13.92
Feedstuff	orchard gras	32480	Degradable CP %	64.29
Feedstuff		0	TDN %	73.28
Feedstuff		0	NEm Mcal/lb	.78
Feedstuff		0	NEg Mcal/lb	.51
Feedstuff		0	NFC %	25.32
Feedstuff		0	Fat %	5.34
Feedstuff		0	NDF %	51.59
Feedstuff		0	eNDF %	54.74
Feedstuff		0	Calcium %	.71
Feedstuff		0	Posphorus %	.46
Feedstuff		0	Potasium %	2.04
Feedstuff		0	Sulfur %	.46
$/ton DM	140.64	89390.00	Ionophore gr/ton	29.81
$/ton AF [Prices]	98.30		Antibiotic gr/ton	.00
			MGA gr/ton	.00
			Beta Agonist gr/ton	.00

Ration Data

RATION	starter		Finish1		Finish2
	Lbs in		Lbs in		Lbs in
Corn silage	35482	Corn silage	32550	Corn silage	30720
Distillers	27667	Distillers	23200	Distillers	25600
Grower mineral	880	Grower mineral	1160	Grower mineral	2560
Orchard grass	7040	Corn	32480	corn	51200

3. **Feeding Lot**
   a. **Investor Involvement** – if the cattle being fed are owned by someone else the investor(s) need to be recorded prior to entering the cattle data. The feedyard itself may want to record itself as an investor to keep tab on the operation
      i. **Go to SET UP – Investor**
      ii. **Indicate the name and contact information of each investor**
      iii. **SAVE**
      iv. **Corrections can be made by selecting the investor from the list, updating data and then re-saving data**

Provide your own name and feedyard as investors

b. **Feeding Lot ID –** step one is to identify the Feeding Lot (management group)
   i. **Go to SET UP – Lots**
   ii. **Provide data on the Feeding Lot**
   iii. **SAVE**
   iv. **To edit the data, select the saved Feeding Lot from the list, update the entries and re-save**

Cattle Feeding Lot Data entered first

Feeding Lot name (jan 14 str)   medium health risk

Wt @50% Cho = 1230   beef breeding

Started 1/14/14   yearling

Interest Rate = 4%   home pens

Conventional management

c. **Cattle Inventory –** second step is to record the details on the cattle or groups of cattle
   i. **Select CATTLE DATA from menu or go to UPDATE DATA – Cattle – BuySellTransfer**
   ii. **Provide data on the first group of animals brought into the feeding lot**

iii.   Indicate the first investor's name and ownership data.
iv.   SAVE the first investor by selecting the small SAVE BUTTON
v.   Indicate the second investor's name and ownership data
vi.   SAVE the second investor's data by once again selecting the small SAVE BUTTON
vii.   When the investors are recorded select SAVE from the menu to save the cattle
viii.   If another group is added to the Feeding Lot, repeat the just mentioned procedure for that bunch
ix.   If an error is made or to review entries, go to VIEW-EDIT from the menu bar, or go through ANALYSIS REPORTS – Accounting – Cattle – Group Data
x.   Select the Feeding Lot in question and select PRINT ALL to screen to view, update or delete

Cattle Data for Feeding Lot "jan 14 strs"

Transaction =add cattle

Source =salebarn

Date In = 1/14/14

80 steers

Pay weight = 56000 lbs

Cost in = $90720

Now select the investor from the Investor list box

Indicate the percent ownership and if necessary an interest charge on late payments.

Both investors own the cattle coming in

Investor Info			
Investor	Cost%	Income%	Int%
Feedyard	70	70	

4.   **Feeding Period Data –** to speed things up for this example 3 feeding periods are entered. In reality you may want to do this daily, weekly or monthly
   a.   **Go to UPDATE DATA – Feeding Period –Normal**
   b.   **Select Feeding Lot**
   c.   **Indicate the ending date for the current feeding period**

d. **Select the ration fed and indicate the pounds delivered**
e. **Provide a bunk waste estimate and confirm the yardage charge**
f. **SAVE**
g. **To view feeding periods, select VIEW FEEDING PERIODS from menu**
h. **To fix data entries, select FIX DATA from menu, indicate which Feeding Period needs to be fixed by the record number, provide the correct data and SAVE**

Feeding Period Data to Enter (3 periods entered)

Ending Date	Ration	Lbs Delivered
2/14/14	Starter	71069
3/14/14	Finish1	89390
7/31/14	Finish2	330080

The default Maintenance Ratio is used

5. **Marketing Animals –** (& removing animals from Feeding Lot)
   a. **Go to UPDATE DATA – Cattle –Buy Sell Transfer**
   b. **Select the Feeding Lot and then indicate the transaction**
   c. **After the screen changes, indicate the transaction details (destination, date of transaction, head, weight sold and income realized)**
   d. **To view or correct data entered, go to VIEW-EDIT from the menu bar, or go through ANALYSIS REPORTS – Accounting – Cattle – Group Data**
   e. **Select the Feeding Lot in question and select PRINT ALL to screen to view, update or delete**

Market Data for example Feeding Lot

Date sold = 7 /31/ 14

80 Steers

106640 lbs live

67183.2 lbs carcass

$ 149296 received

Extra carcass data can be recorded by selecting button

The extra/option market data for this example

Yield Grade	Hd	Quality Grade	Hd	Carcass Wt	Hd
1	5	Prime	5	6-700	15
2	60	Choice	68	7-800	30
3	13	Select	7	8-900	35

6. **Review Reports**
   a. **Feeding Periods**
      i. **Go to UPDATE DATA – Feeding Period – Normal**
      ii. **Select Feeding Lot**
      iii. **Select VIEW FEEDING PERIOD**
   b. **Yard Report**
      i. **Go to Home Page**
      ii. **Select YARD button**
   c. **Market Report**

    i. **Go to ANALYSIS REPORTS – Accounting – Cattle – Group Data**

    ii. **Select Feeding Lot and then PRINT MARKET DATA**

  d. **Closeouts**

    i. **Go to ANALYSIS REPORTS – Management – Closeout**

    ii. **Select Feeding Lot and then CALCULATE from the menu**

Second Level

1. **Yard Contact –** contact information for Invoices & allows participation in ISU benchmark

  a. **Go to SET UP – Yard Contact**

  b. **Provide Information**

  c. **SAVE**

  d. **If this information needs to be edited, return to this area and provide correct information**

2. **Non FeedCosts – to include costs other than yardage, interest, med_treatments, processing, disposal_dead and risk management.**

  a. **Go to SET UP – Nonfeed Costs**

  b. **Provide Information**

  c. **SAVE**

  d. **If this information needs to be edited, return to this area and provide correct information**

Add "bedding" and "ctc" as additional costs

  e. **Once the cost categories are recorded cost data for a Feeding Lot can be recorded**

  f. **Go to UPDATE DATA – Costs_Nonfeed/Noncattle**

g. **Select the Feeding Lot and then the Cost Item**
h. **The Date incurred & Cost Amount can then be entered**
i. **To view and edit data, select VIEW-EDIT from the menu**

Costs to Add			
Cost Item	1/14/14	2/14/14	3/14/14
Bedding	$100	$100	$100
ctc	$50		

Pick the cost item and the Feeding Lot

Then VIEW RECORDS from the menu to view, edit or delete entered records

3. **Non Cattle Income –** to include income sources other than cattle or bill payments from investors
    a. **Go to SET UP – Income Noncattle/Nonbilling**
    b. **Provide Information**
    c. **SAVE**

This area operates in the same way as the cost area just described. Refer to the cost example just described for the mechanics if you need to add other income streams.

4. **Billing Investors**
    a. **Calculate Invoice**
        i. **Go to UPDATE DATA – Investors – Bill Calculation**
        ii. **Select the Feeding Lot from the list that you want to derive an invoice from**

iii. The billing dates will come in automatically based on the last saved invoice and the last day of the last Feeding Period. If the dates are wrong, indicate the billing dates that you want

iv. Select CALCULATE from the menu

v. To see a preview of the bill on the screen, 'click' the investors name from the grid at bottom of the page and the PRINT INVOICE-SCREEN

vi. Print to billing invoice to paper or PDF file

vii. SAVE

viii. If you find a problem or need to recalculate, select DELETE to remove the last bill and then follow steps ii – vii above

Bill Calculation

Select the Feeding Lot

Indicate the dates over which the bill is calculated

Select options

Select CALCULATE

Click name and then PRINT INVOICE- screen to preview bill

b. **Record Payments** – made by investors (also credits for cattle value, pre-purchases and grain banking)

i. **Go to UPDATE DATE – Investor – Record Payment**

ii. **Select the Feeding Lot**

iii. **'Click' the VIEW button to bring up the first investor involved with the Feeding Lot**

iv. **Record payment or credit amount along with the date**

v. **SAVE**

If the bills are calculated in this example the feedyard would pay in $24240.00 and the investor would pay in $10388.57

c. Reviewing & Managing Investor Data
   i. Go to ANALYSIS REPORTS – Investor
   ii. To see payments made – select the Feeding Lot and then VIEW PAYMENTS (cattle value should show here too)
   iii. To see Bills that were saved – select the Feeding Lot and then VIEW BILLS
   iv. To see income owed to investor – select the Investor and then INVESTOR INCOME

Review Investor data on this page to determine where payments or billing invoices are missing. Data can be deleted or updated directly from this page's output.

5. **Health** – 2 methods for recording
   a. **Simple Method**
      i. **Processing**
         1. **Go to UPDATE DATA – Health – Animal Processing**
         2. **Pick Feeding Lot and indicate the number of cattle worked, the date worked and the average weight of the animals**
         3. **Type in the processing name done in the first processing list box**
         4. **Indicate the total dollars spent in the "Extra Cost" input box**
         5. **SAVE**

Processing data in minimal form

Feeding Lot

Number worked (80)

Date worked (1/28/14)

Average Estimated Wt at this point (750)

Total $ ($1200)

Name given to work done is typed in

ii. **Treatments**

1. **Go to UPDATE DATA – Health – Animal Treatments**
2. **Pick Feeding Lot and indicate the number of cattle treated, the disease issue, the date treated and the average weight of the animals**
3. **Type in the treatment name done in the treatment list box**
4. **Indicate the total dollars spent in the "Extra Cost" input box**
5. **SAVE**

Treatment data in minimal form

Feeding Lot

Number treated & disease issue (1, respiratory)

Date worked (2/15/14)

Average Estimated Wt at this point (856)

Total $ ($60)

Name given to treatment done

b. **Detailed Protocol Method –** this method allows a drug inventory to be set up like the feed inventory. It also uses established processing and treatment protocols and when these are recorded, withdrawal times on treated animals will appear on the Withdrawal List and drug products will be taken out of inventory and billed to the pen automatically as is done with feed ingredients.

i. **Drugs Products**

1. **ID Drugs Products**

a. **Go to SET UP – Health – Drugs & Products**
b. **Name the first product used/inventoried**
c. **Indicate if it is given per head or per 100 lbs along with the dose/number**
d. **If the item involves a withdrawal time, indicate the time in days**
e. **A mark up can be indicated to account for shrink or waste**
f. **Select the product class**
g. **SAVE**

For this example use the following items and values				
Product	Dose	Withdrawal	Markup	Prod.Class
Express5	2/hd	21	5	Vaccine
Vision8	2/hd	21	5	Vaccine
Ear tags	1/hd			Tags/devices
Revalor es	1/hd	75		Implant
Ivermectin	1/cwt	48	5	Anthelmentic
Draxxin	1/cwt	44	5	Drug antibiotic

2. **Drug Product Inventory**
   a. **Select INVENTORY from the Drug+Product List screen or go to UPDATE DATA – Health –Drug Inventory**
   b. **Check if inventory is kept (keep inventory for this example) and then the "Add to Inventory" button.**
   c. **Select the product class and then the product**
   d. **Provide the data of units, value and date**
   e. **SAVE**
   f. **If you need to review what was entered select VIEW from the Drug +Product menu bar, select the product on the screen that appears and then PRINT RECORD-screen.**

Provide the following example drug inventory data

Note that Inventory is being kept on these products and the first entry is always "Add to Inventory"

Product	Prod.Class	Units	$
Express5	Vaccine	200	230
Vision8	Vaccine	200	150
Ear tags	Tags/devices	100	115
Revalor es	Implant	100	400

ii. **Processing** – here processing protocols are being setup ahead of time and when invoked will automatically pull products and costs from inventory

1. **Processing Protocol setup**
   a. **Go to SET UP – Health – Process Protocols**
   b. **Indicate the process name and if there is any non product charge such as a chute charge**
   c. **Up to 6 products can be pulled into a protocol, if there are more than 6, set up another protocol such as step 1 and the step 2**
   d. **Select the first product and then indicate rate in the small white box next to drop down list. A value of "1" indicates label recommendations (as noted when the products were listed). If something is doubled from normal place a "2" or if it is reduced by some percent indicate the decimal fraction (a quarter dose for instance would be indicated by "0.25".**
   e. **Repeat with other products**
   f. **SAVE**

Example data for the receiving protocol

Name given as "receiving" with a $5 chute charge

1 ear tag

1 recommended dose of the Express5 and Vision8 vaccines

1 normal dose of the pour on

1 implant

2. **Record Processing Events**
   a. **Go to UPDATE DATA – Health – Processing**
   b. **Select Feeding Lot, indicate the number processed**
   c. **Select the Process done. If a number of different processing protocols were done, select these other protocols**
   d. **Indicate the date worked and the average, estimated weight per head on the day worked**

e. **NO COST NEEDS TO BE RECORDED since the cost will automatically come from the inventoried items used in the protocol. If there is a cost beyond this cost indicate that amount in the $Extra Cost input box**

f. **Withdrawal dates will be automatically entered into the record/withdrawal calendar**

g. **SAVE**

Processing data in detailed form

Feeding Lot and number worked (80)

Date worked (1/28/14)

Average Estimated Wt at this point (750)

Processing protocol name is selected from list

Notes could be recorded here

iii. **Treatment -** here medical treatment protocols are being setup ahead of time and when invoked will automatically pull products and costs from inventory

1. **Medical Treatment Protocol setup**

   a. **Go to SET UP – Health – Treatment Protocols**

   b. **Indicate the treatment name and if there is any non product charge such as a chute charge**

   c. **Up to 6 products can be pulled into a protocol, if there are more than 6, set up another protocol such as step 1 and the step 2**

   d. **Select the first product and then indicate rate in the small white box next to drop down list. A value of "1" indicates label recommendations (as noted when the products were listed). If something is doubled from normal place a "2" or if it is reduced by some percent indicate the decimal fraction (a quarter dose for instance would be indicated by "0.25".**

   e. **Repeat with other products**

   f. **SAVE**

Example data for the treatment protocol

Name of this treatment is called "pneumonia #1" and the disease name pneumonia is selected

1 dose of the draxxin product used

2. **Record Treatment Events**
   a. **Go to UPDATE DATA – Health – Animal Treatments**
   b. **Select Feeding Lot, indicate the number treated**
   c. **Select the Treatment done. If an additional drug or processing protocol was done, select these from appropriate lists**
   d. **Indicate the date worked and the average, estimated weight per head on the day worked**
   e. **Ear tag information can be indicated and a treatment record on the specific animal will be made (when the tag is given though each animal must be placed in individually)**
   f. **NO COST NEEDS TO BE RECORDED since the cost will automatically come from the inventoried items used in the protocol. If there is a cost beyond this cost indicate that amount in the $Extra Cost input box**
   g. **Withdrawal dates will be automatically entered into the record/withdrawal calendar**
   h. **SAVE**

Medical Treatment data in detailed form

Feeding Lot and number worked (1)

Ear Tag was indicated

Date worked (3/01/14)

Average Estimated Wt at this point (1022)

Treatment protocol name is selected from list

A new case was indicated

Note the tag was optional, but may be handy to have down since the animal will appear on the withdrawal list. The other inputs are optional as well.

    c. **Review Data Entered – to review processing or med treatment records entered in the simple or detailed protocol way to review or edit**

        i. **Go to ANALYSIS REPORTS – Health – and then select either Processing Summary or Treatment Summary**

        ii. **Select the Feeding Lot that needs attention and then VIEW RECORDS from menu**

Note that only "Extra Cost" value will appear on the printout. The drug/product charge that is associated with the protocol entry can be seen on the Drug + Product printouts obtained by going to ANALYSIS REPORTS – Health – Product Use Summary.

If these nonfeed costs are entered or if there is an entry in the number of animals in the Feeding Lot after the Feeding Period data has already been entered as we did with this example, be sure to:

    1. **Go to the UPDATE DATA – Feeding Period – Normal**
    2. **Select the Feeding Lot and then select RECALCULATE to incorporate this data.**

Third Level

11. Identify Venders
12. Identify Sale Outlets
13. Fixed Costs
14. Projection
15. Manure
16. Environment & Weather
17. Risk Management
18. Calendar
19. Individually ID Animals
20. Verification Programs

Level Four

6. Use Excel Templates
7. Import Data from Feed Wagon Scales
8. Import Health Protocols
9. Import/Export BRaNDs Data
10. Archive/ Unarchive Feeding Lots
11. Backup/Restore Data

Appendix B

Necessary Steps to Use Feedlot Monitor – Individually Tagged Animals

Unlike the previous example in Appendix A, this example goes through the steps involved when the animals are individually tagged and tracked as individuals within a group. In this arrangement, feed intake is still estimated and split out evenly for each animal in the group as would the common daily yardage. The individual's days on feed, medical treatments, processing charges and marketing values are maintained separately though. Ultrasound data in terms of carcass composition, when obtained, likewise is maintained on each animal and can be used to generate individual growth projections.

This example will use the same steps and data as described in Appendix A to facilitate entry, but is modified in the First Level Steps #3 and #5 to illustrate the steps involved in individual animal monitoring. Rather than steers, a group of developing bulls is the focus of this example. The same feeds, rations and inputs other than the cattle are used. These animals receive a yearling carcass ultra sound though so this additional nonfeed variable charge is added in Step #2 of the Second Level.

First Level – As Appendix A with a couple additions

7. Facility
8. Feed
    a. ID Feedstuffs Nutrient Analysis
    b. Inventory of Feedstuffs
    c. Rations
9. Feeding Lot
    a. Investor Involvement
    b. Feeding Lot ID
    c. Cattle Inventory
    d. Record Tags
10. Feeding Period Data
11. Marketing Animals
    a. Record Individual Animal Sales
12. Review Reports
    a. Feeding Periods
    b. Closeouts
    c. Yard Report
    d. Individual Animal Reports

First Level

Starting From the Main Menu

7. **Facility**
   a. **Provide Facility information first**
   b. **Go to SETUP-Facilities**
   c. **Indicate the name of the facility, the type of facility and the yardage charge in $/hd/day that you will probably need to charge. The other inputs are optional.**
   d. **Select SAVE.**
   e. **If you need to edit, select saved facility from list, update and re-save.**

Facility named "Home Pens" is entered

Facility Type selected = shelter

Yardage is set to $0.40 in this example.

8. **Feed**
   a. **ID Feedstuffs Nutrient Analysis**
      i. **Go to SETUP-Feedstuffs-Feed**
      ii. **Name the feedstuff, provide the nutrient analysis, indicate the pounds per unit that you use to price the feed – enter the feedstuffs below**
      iii. **Select SAVE**
      iv. **If you need to edit, select saved feed from list, update values and re-save**

Enter the following feedstuffs into the program.

To do this quickly, use the default values obtained by selecting the "?" button.

Feedstuff	Lbs/Unit
Corn_dry	56
Orchard Grass	2000
Dry Distillers	2000
Corn Silage	2000
Grower Mineral	50

   b. **Inventory of Feedstuffs** – record units and value of feed
      i. **Select INVENTORY from Feed Analysis screen menu or UPDATE DATA – Feed – Feed Inventory from Main Menu.**
      ii. **Select the first feedstuff that needs inventory data recorded from Feedstuff List**
      iii. **Check or uncheck if the "Inventory Kept" box to indicate if the units received and existing units will be monitored too.**
      iv. **Check the "Add to Inventory" box.**
      v. **Provide the data (see in grid that follows). Note that if the "Inventory Kept" box is checked, the total units and total values are to be recorded. If this box is not checked, you may record "1" for total units and the value per that 1 unit.**
      vi. **SAVE**
      vii. **If you make an error, select VIEW from the menu. Then you can select the feed and view the record, make the update and re-save.**

Feed Inventory

Save   View   PriceChanges   Quit

Feedstuff: corn_ dry
Pounds / Unit: 56
$ / Unit Markup: 0
% / Unit Markup: 0
Current Units:
Current Value $: 0.00 $/Unit 0.00
Origin: home
Feed Dry Matter %: 85
Total Units Added: 1
Total Value Added: 4 35
Date: 01/01/2014

Inventory Kept (check if yes)

- Add to Inventory
- Remove Inventory
- Update Inventory
- Correct $ Value

Feedstuff selected

Inventory Kept checked or unchecked

First entry is always selected as "Add to Inventory"

Data below is then provided

	Inventory Check	Origin	Total Units	Total Value	Date
Corn		Home	1	4.35	1/1/14
Orchard grass		Home	1	100	1/1/14
Distillers grain	x	Plant	62	10540	1/1/14
Corn silage		Home	1	44	1/1/14
Grower mineral	x	feedmill	28	560	1/1/14

View Feed Inventory

PrintRecords   PrintSummary   PrinterSetup   Quit

Date Starting: Date Ending:

Feeding Lot   Feedstuff
                     cornsilage
                     corn_ dry
                     cornsilage
                     distiller gr
                     grower miner
                     orchard gras

* A starting and an ending date can be added above to limit the number of records displayed.
If no dates are provided all records are shown.

Select VIEW from Feed Inventory screen or ANALYSIS REPORTS – Accounting – Feed from Main Menu to access entered feed data and make corrections.

Pick Feed, then VIEW RECORDS to screen

c.   **Rations** – rations can be recorded after feed inventory is entered
    i.   **Go to SETUP – Feed – Rations**
    ii.   **Indicate Ration ID (name), select each feed used, indicate the amount or percent of each feed ingredient.**
    iii.   **SAVE**
    iv.   **Make corrections by selecting the recorded ration from the list, make the updates and re-save.**

Ration Data

RATION	starter		Finish1		Finish2
	Lbs in		Lbs in		Lbs in
Corn silage	35482	Corn silage	32550	Corn silage	30720
Distillers	27667	Distillers	23200	Distillers	25600
Grower mineral	880	Grower mineral	1160	Grower mineral	2560

9. **Feeding Lot**
   a. **Investor Involvement – if the cattle being fed are owned by someone else the investor(s) need to be recorded prior to entering the cattle data. The feedyard itself may want to record itself as an investor to keep tab on the operation**
      i. **Go to SET UP – Investor**
      ii. **Indicate the name and contact information of each investor**
      iii. **SAVE**
      iv. **Corrections can be made by selecting the investor from the list, updating data and then re-saving data**

Provide your own name and feedyard as investors

b. **Feeding Lot ID** – step one is to identify the Feeding Lot (management group)
    i. **Go to SET UP – Lots**
    ii. **Provide data on the Feeding Lot**
    iii. **SAVE**
    iv. **To edit the data, select the saved Feeding Lot from the list, update the entries and re-save**

PROVIDE bull data instead for this part of example

Cattle Feeding Lot Data entered first

Individual Tags checked

Feeding Lot name (Nov 14 bulls)	medium health risk
Wt @50% Cho = 1480	beef breeding
Started 11/15/14	calf
Interest Rates = 5%	home pens
Conventional management	

c. **Cattle Inventory** – second step is to record the details on the cattle or groups of cattle
    i. **Select CATTLE DATA from menu or go to UPDATE DATA – Cattle – BuySellTransfer**
    ii. **Provide data on the first group of animals brought into the feeding lot**
    iii. **Indicate the first investor's name and ownership data.**
    iv. **SAVE the first investor by selecting the small SAVE BUTTON**
    v. **Now SAVE the group data by selecting SAVE from the menu.**
    vi. **Note that you are prompted and asked if you want to store the individual tag data. Choose to use the Excel worksheet to do this.**
    vii. **Type in the individual tag information as shown and select the SAVE DATA button from the Excel template.**
    viii. **Now once again select SAVE from the Feeding Lot- Cattle Data menu to save the group**

Feeding Lot - Cattle Data

New Save View-Edit InputSheet Calendar Quit

Feeding-Lot	nov 14 bulls
Transaction	add cattle
Origin	RC angus
Verification	
Eartag Color	red
INVESTOR INFO Investor Name	garland dahlke
Ownership	individual ownership

0

Eartag Letter	
Eartag#-start	
Oldest Birth Date	
Date In	11/15/2014	date
Purchase-Lot	
Steers	
Heifers/Cows	
Bulls	5
Total Live Pay Wt.	3515
Total Shrunk Wt.	
Total $	6502.75

Cost Share % Income Share % Interest %
100   100   5

Output
Shrunk Wt/Hd
Shrink %
$/Pound
$/Head

Reset Save
Delete View

○ Cattle paid for
● Cattle not paid for

This pen is made of 2 groups of bulls

Here is the first investor's bulls

Cattle Data for Feeding Lot "nov 14 bulls"

Transaction =add cattle

Source =first investor

Date In = 1/15/14

5 bulls

Pay weight = 3515 lbs

Cost in = $6502.75

Now select the investor from the Investor list box

Indicate the percent ownership and if necessary an interest charge on late payments. Note that the investor's ownership is 100% since this is his group.

Excel Template used to enter the first set of 5 bulls into Feeding Lot "nov 14 bulls

After data is placed on sheet the SAVE DATA button is pressed

---

Cattle Eartag Input for ISU Feedlot Monitor

Load Data   Save Data   Clear Screen   Unprotect

			COUNT >>>	6503	3515
AVERAGE>>	02/18/2014	1301	703
St.D. >>>	01/10/1900	22	12

Rec. #	Feeding Lot	Tag Color	Tag Letter	Tag Number	E-Id	Investor	Purchase Lot	HomeTag	Brand	BirthDate	Source	$ Value In	Pay Wt In
	nov 14 bulls	red				garland dahlke					rc angus		
	nov 14 bulls	red		1		garland dahlke		1		02/05/2014	rc angus	1295	700
	nov 14 bulls	red		2		garland dahlke		2		02/09/2014	rc angus	1277	690
	nov 14 bulls	red		3		garland dahlke		3		02/24/2014	rc angus	1332	720
	nov 14 bulls	red		4		garland dahlke		4		02/25/2014	rc angus	1314	710
	nov 14 bulls	red		5		garland dahlke		5		03/01/2014	rc angus	1286	695

ix. **Indicate the second group of bulls added to this lot now and the investor's name and ownership data. Note that when tagged cattle are entered each group from each investor is added separately with 100% ownership.**

x. **SAVE the second investor's data by once again selecting the small SAVE BUTTON**

xi. **When the investors are recorded select SAVE from the menu to save the cattle and choose to bring up the Excel template again to add to the group data**

xii. **On the template, select the "nov 14 bulls" group from the drop down list and it should automatically load the first group of bulls entered.**

xiii. **Now add to the list with the second group of bulls.**

xiv. **Select SAVE DATA from the Excel template and close the template.**

xv. **Back on the Feeding Lot – Cattle Data, select SAVE from menu bar.**

xvi. **If an error is made or to review group entries, go to VIEW-EDIT from the menu bar, or go through ANALYSIS REPORTS – Accounting – Cattle – Group Data …**

xvii. **If an error is made or to review individual tag entries, go to VIEW-EDIT from the menu bar, or go through ANALYSIS REPORTS – Accounting – Cattle – Tag Data.**

xviii. **Then select the tag and fix the entry, SAVE.**

The 2nd group of bulls

Cattle Data for Feeding Lot "nov 14 bulls"

Transaction =add cattle

Source =second investor

The second investor is chosen

Date In = 1/16/14 (bulls came in a day later in this example)

7 bulls

Pay weight = 4815 lbs

Cost in = $8907.75

Indicate the percent ownership and if necessary an interest charge on late payments. Note that the investor's ownership is 100% since this is his group.

Cattle Eartag Input for ISU Feedlot Monitor

Load Data	Save Data	Clear Screen	Unprotect

COUNT >>>   15411   8330

AVERAGE>>   03/03/2014   1284   694

St.D. >>>   01/14/1900   55   30

Rec. #	Feeding Lot	Tag Color	Tag Letter	Tag Number	E-Id	Investor	Purchase Lot	HomeTag	Brand	BirthDate	Source	$ Value In	Pay Wt In
	nov 14 bulls	white				feedyard					feedyard		
1	nov 14 bulls	red		1	0	garland dahlke		1		02/05/2014	rc angus	1295	700
2	nov 14 bulls	red		2	0	garland dahlke		2		02/09/2014	rc angus	1277	690
3	nov 14 bulls	red		3	0	garland dahlke		3		02/24/2014	rc angus	1332	720
4	nov 14 bulls	red		4	0	garland dahlke		4		02/25/2014	rc angus	1314	710
5	nov 14 bulls	red		5	0	garland dahlke		5		03/01/2014	rc angus	1286	695
	nov 14 bulls	white		11		feedyard		11		03/06/2014	feedyard	1129	610
	nov 14 bulls	white		12		feedyard		12		03/07/2014	feedyard	1351	730
	nov 14 bulls	white		13		feedyard		13		03/13/2014	feedyard	1258	680
	nov 14 bulls	white		14		feedyard		14		03/13/2014	feedyard	1295	700
	nov 14 bulls	white		15		feedyard		15		03/21/2014	feedyard	1314	710
	nov 14 bulls	white		16		feedyard		16		03/16/2014	feedyard	1277	690
	nov 14 bulls	white		17		feedyard		17		03/17/2014	feedyard	1286	695

Pull up the existing Feeding Lot "nov 14 bulls" and then add the other 7 bulls to the list and their data.

Since this is an Excel sheet you can take advantage of the excel cutting, pasting and formula utilities. Be sure to used the PASTE SPECIAL (formulas or values) selections though in order to not un-format your sheet.

10. **Feeding Period Data –** to speed things up for this example 2 long feeding periods are entered. In reality you may want to do this daily, weekly or monthly
   a. **Go to UPDATE DATA – Feeding Period –Normal**
   b. **Select Feeding Lot**
   c. **Indicate the ending date for the current feeding period**
   d. **Select the ration fed and indicate the pounds delivered**
   e. **Provide a bunk waste estimate and confirm the yardage charge**
   f. **SAVE**
   g. **To view feeding periods, select VIEW FEEDING PERIODS from menu**
   h. **To fix data entries, select FIX DATA from menu, indicate which Feeding Period needs to be fixed by the record number, provide the correct data and SAVE**

Feeding Period Data to Enter (2 periods entered)

Ending Date	Ration	Lbs Delivered
12/1/14	Starter	4069
3/14/15	Finish1	24960
	Finish2	12480

Note that two rations were fed during Feeding Period

The default Maintenance Ratio is used

A 1% bunk waste and a $0.40 yardage charge was used

Marketing Animals – (& removing animals from Feeding Lot)

       i.   **Go to UPDATE DATA – Cattle –Buy Sell Transfer**

       j.   **Select the Feeding Lot and then indicate the transaction**

       k.   **After the screen changes, indicate the transaction details (destination, date of transaction, head, weight sold and income realized)**

       l.   **SAVE**

       m. **Now record the individual results by selecting INPUT SHEET – EXCEL TAGS from menu**

       n.   **On Excel Template, select the Feeding Lot and then load the existing data**

       o.   **Provide the new data on these bulls and then choose the SAVE DATA button**

Market Data for example Feeding Lot

Transaction = Breeding

Date sold = 3 /14/ 15

12 Bulls

13800 lbs live (actual weight)

$ 36000 received (actual value)

Projected weight and recorded input cost

Rec. #	Feeding Lot	Tag Color	Tag Letter	Tag Number	$ Value In	Pay Wt In	Date In	Date Sold	Sale Code	Destination	$ Value Out	Pay Wt. Out	Ultrasound Date	Ultras W
	nov 14 bulls									bull sale				
1	nov 14 bulls	red		1	1295	700	11/15/2014	03/14/2015	r	bull sale	3000	1150		
2	nov 14 bulls	red		2	1277	690	11/15/2014	03/14/2015	r	bull sale	3000	1120		
3	nov 14 bulls	red		3	1332	720	11/15/2014	03/14/2015	r	bull sale	3000	1200		
4	nov 14 bulls	red		4	1314	710	11/15/2014	03/14/2015	r	bull sale	3000	1110		
5	nov 14 bulls	red		5	1286	695	11/15/2014	03/14/2015	r	bull sale	3000	1130		
6	nov 14 bulls	white		11	1129	610	11/16/2014	03/14/2015	r	bull sale	3000	1180		
7	nov 14 bulls	white		12	1351	730	11/16/2014	03/14/2015	r	bull sale	3000	1160		
8	nov 14 bulls	white		13	1258	680	11/16/2014	03/14/2015	r	bull sale	3000	1150		
9	nov 14 bulls	white		14	1295	700	11/16/2014	03/14/2015	r	bull sale	3000	1144		
10	nov 14 bulls	white		15	1314	710	11/16/2014	03/14/2015	r	bull sale	3000	1170		
11	nov 14 bulls	white		16	1277	690	11/16/2014	03/14/2015	r	bull sale	3000	1136		
12	nov 14 bulls	white		17	1286	695	11/16/2014	03/14/2015	r	bull sale	3000	1150		

The sale data from each animal is pasted on to the Excel Template and then saved.

Individual Tags can be viewed and edited by:

1. Go to ANALYSIS REPORTS – Accounting – Cattle – Ear Tag Data
2. Select Tag, provide edits
3. SAVE

Tags displayed can be specified from the Feeding Lot selected.

Tags are selected for closeout by selecting them from the list.

Second Level

3. **Yard Contact –** contact information for Invoices & allows participation in ISU benchmark
   a. **Go to SET UP – Yard Contact**
   b. **Provide Information**
   c. **SAVE**
   d. **If this information needs to be edited, return to this area and provide correct information**

4. **Non FeedCosts – to include costs other than yardage, interest, med_treatments, processing, disposal_dead and risk management.**
   a. **Go to SET UP – Nonfeed Costs**
   b. **Provide Information**
   c. **SAVE**
   d. **If this information needs to be edited, return to this area and provide correct information**

Add "bedding" and "ctc" as additional costs

Now also add "ultrasound" to list (since this is for the breeding bulls being developed).

e. Once the cost categories are recorded cost data for a Feeding Lot can be recorded
f. Go to UPDATE DATA – Costs Nonfeed/Noncattle
g. Select the Feeding Lot and then the Cost Item
h. The Date incurred & Cost Amount can then be entered
i. To view and edit data, select VIEW-EDIT from the menu

Costs to Add

Cost Item	11/20/14	1/14/15	3/14/15
Bedding	$100	$100	$100
ctc	$50		
ultrasound			108

Pick the cost item and the Feeding Lot

Then VIEW RECORDS from the menu to view, edit or delete entered records

Although the cost has been indicated for the bull carcass ultrasound the actual data from this procedure can now be entered. Although this data is not necessary to make the program work, it can be used to generate individual animal projections.

This data con be entered by going to:

1. Go to UPDATE DATA – Cattle – Buy Sell Transfer – Ear Tag Data – Excel Input/edit
2. Select "nov 14 bulls" FeedingLot
3. Provide data
4. SAVE

12. **Non Cattle Income –** to include income sources other than cattle or bill payments from investors
    a. **Go to SET UP – Income_Noncattle/Nonbilling**
    b. **Provide Information**
    c. **SAVE**

This area operates in the same way as the cost area just described. Refer to the cost example just described for the mechanics if you need to add other income streams.

13. Health – 2 methods for recording

    a. Simple Method

        i. Processing

            1. Go to UPDATE DATA – Health – Animal Processing

            2. Pick Feeding Lot and indicate the number of cattle worked, the date worked and the average weight of the animals

            3. Type in the processing name done in the first processing list box

            4. Indicate the total dollars spent in the "Extra Cost" input box

            5. SAVE

Processing data in minimal form

Feeding Lot

Number worked (12)

Date worked (11/17/14)

Average Estimated Wt at this point (710)

Total $ ($127)

Name given to work done is typed in

        ii. Treatments

            1. Go to UPDATE DATA – Health – Animal Treatments

            2. Pick Feeding Lot and indicate the number of cattle treated, the disease issue, the date treated and the average weight of the animals

            3. Type in the treatment name done in the treatment list box

            4. Indicate the total dollars spent in the "Extra Cost" input box

            5. SAVE

Health Treatments

New   Save   View-Edit   Print   Calendar   Quit

Feeding-Lot	nov 14 bulls
Head	1
Disease	respiratory
Eartag Color	
Gender	
Clin.Illness Score	
Treatment	cough
Drug/Product	
Drug/Product	
Process	
Doctor/Tec	
Outcome	sick in lot
Note	1 11/15/2014

Eartag Letter	
Eartag#-start	
EID Tag	
Hospital Tag	
Date Treated	12/05/2014
Extra Cost $	60
Next Treatment	
Withdrawal Days	
Temperature	
Weight	780
Lung Score	

records

date

protocol

save

Output

Total Cost $
Drug Cost $
Withdrawal

● New Case
● Retreat

Initial Head	Current Head	Current DOF
12	0	120

Calculate

Treatment data in minimal form

Feeding Lot

Number treated & disease issue (1, respiratory)

Date worked (12/5/14)

Average Estimated Wt at this point (780)

Total $ ($60)

Name given to treatment done

Detailed Protocol Method – this method allows a drug inventory to be set up like the feed inventory. It also uses established processing and treatment protocols and when these are recorded, withdrawal times on treated animals will appear on the Withdrawal List and drug products will be taken out of inventory and billed to the pen automatically as is done with feed ingredients.

     iii. **Drugs Products**

         1. **ID Drugs Products**

           a. **Go to SET UP – Health – Drugs & Products**

           b. **Name the first product used/inventoried**

           c. **Indicate if it is given per head or per 100 lbs along with the dose/number**

           d. **If the item involves a withdrawal time, indicate the time in days**

           e. **A markup can be indicated to account for shrink or waste**

           f. **Select the product class**

           g. **SAVE**

For this example use the following items and values

Product	Dose	Withdrawal	Markup	Prod.Class
Express5	2/hd	21	5	Vaccine
Vision8	2/hd	21	5	Vaccine
Ear tags	1/hd			Tags/devices
Ivermectin	1/cwt	48	5	Anthelmentic
Draxxin	1/cwt	44	5	Drug

         2. **Drug Product Inventory**

           a. **Select INVENTORY from the Drug+Product List screen or go to UPDATE DATA – Health –Drug Inventory**

           b. **Check if inventory is kept (keep inventory for this example) and then the "Add to Inventory" button.**

           c. **Select the product class and then the product**

           d. **Provide the data of units, value and date**

e. **SAVE**

f. **If you need to review what was entered select VIEW from the Drug +Product menu bar, select the product on the screen that appears and then PRINT RECORD-screen.**

Provide the following example drug inventory data

Note that Inventory is being kept on these products and the first entry is always "Add to Inventory"

Product	Prod.Class	Units	$
Express5	Vaccine	200	230
Vision8	Vaccine	200	150
Ear tags	Tags/devices	100	115

iv. **Processing –** here processing protocols are being setup ahead of time and when invoked will automatically pull products and costs from inventory

1. **Processing Protocol setup**
   a. **Go to SET UP – Health – Process Protocols**
   b. **Indicate the process name and if there is any non product charge such as a chute charge**
   c. **Up to 6 products can be pulled into a protocol, if there are more than 6, set up another protocol such as step 1 and the step 2**
   d. **Select the first product and then indicate rate in the small white box next to drop down list. A value of "1" indicates label recommendations (as noted when the products were listed). If something is doubled from normal place a "2" or if it is reduced by some percent indicate the decimal fraction (a quarter dose for instance would be indicated by "0.25".**
   e. **Repeat with other products**
   f. **SAVE**

Example data for the receiving protocol

Name given as "bull receiving" with a $5 chute charge

1 ear tag

1 recommended dose of the Express5 and Vision8 vaccines

1 normal dose of the pour on

2. **Record Processing Events**
   a. **Go to UPDATE DATA – Health – Processing**
   b. **Select Feeding Lot, indicate the number processed**
   c. **Select the Process done. If a number of different processing protocols were done, select these other protocols**
   d. **Indicate the date worked and the average, estimated weight per head on the day worked**
   e. **NO COST NEEDS TO BE RECORDED since the cost will automatically come from the inventoried items used in the protocol. If there is a cost beyond this cost indicate that amount in the $Extra Cost input box**
   f. **Withdrawal dates will be automatically entered into the record/withdrawal calendar**
   g. **SAVE**

Note that if some of the bulls are processed differently than others and the investor is to be billed each bull's ear tag would need to be entered individually here. If they are all treated the same, the total cost is broke up evenly between the animals in the pen.

Processing data in detailed form

Feeding Lot and number worked (12)

Date worked (11/17/14)

Average Estimated Wt at this point (710)

Processing protocol name is selected from list

Notes could be recorded here

v. **Treatment -** here medical treatment protocols are being setup ahead of time
and when invoked will automatically pull products and costs from inventory
   1. **Medical Treatment Protocol setup**
      a. **Go to SET UP – Health – Treatment Protocols**
      b. **Indicate the treatment name and if there is any non product
         charge such as a chute charge**
      c. **Up to 6 products can be pulled into a protocol, if there are
         more than 6, set up another protocol such as step 1 and the
         step 2**
      d. **Select the first product and then indicate rate in the small
         white box next to drop down list. A value of "1" indicates
         label recommendations (as noted when the products were
         listed). If something is doubled from normal place a "2" or if it
         is reduced by some percent indicate the decimal fraction (a
         quarter dose for instance would be indicated by "0.25".**
      e. **Repeat with other products**
      f. **SAVE**

Example data for the treatment protocol

Name of this treatment is called "pneumonia #1" and the disease name pneumonia is selected

1 dose of the draxxin product used

2. **Record Treatment Events**
   a. **Go to UPDATE DATA – Health – Animal Treatments**
   b. **Select Feeding Lot, indicate the number treated**
   c. **Select the Treatment done. If an additional drug or processing protocol was done, select these from appropriate lists**
   d. **Indicate the date worked and the average, estimated weight per head on the day worked**
   e. **Ear tag information can be indicated and a treatment record on the specific animal will be made (when the tag is given though each animal must be placed in individually)**
   f. **NO COST NEEDS TO BE RECORDED since the cost will automatically come from the inventoried items used in the protocol. If there is a cost beyond this cost indicate that amount in the $Extra Cost input box**
   g. **Withdrawal dates will be automatically entered into the record/withdrawal calendar**
   h. **SAVE**

Medical Treatment data in detailed form

Feeding Lot and number worked (1)

Ear Tag was indicated (red 1)

Date worked (3/01/15)

Average Estimated Wt at this point (1090)

Treatment protocol name is selected from list

A new case was indicated

Note the tag was optional, but may be handy to have down since the animal will appear on the withdrawal list. The tag number also ensures the correct investor is billed for the treatment.

b. **Review Data Entered – to review processing or med treatment records entered in the simple or detailed protocol way to review or edit**
   i. **Go to ANALYSIS REPORTS – Health – and then select either Processing Summary or Treatment Summary**
   ii. **Select the Feeding Lot that needs attention and then VIEW RECORDS from menu**

Note that only "Extra Cost" value will appear on the printout. The drug/product charge that is associated with the protocol entry can be seen on the Drug + Product printouts obtained by going to ANALYSIS REPORTS – Health – Product Use Summary.

If these nonfeed costs are entered or if there is an entry in the number of animals in the Feeding Lot after the Feeding Period data has already been entered as we did with this example, be sure to:

3. Go to the UPDATE DATA – Feeding Period – Normal
4. Select the Feeding Lot and then select RECALCULATE to incorporate this data.

14. Billing Investors
    a. Calculate Invoice

Note that we have added many costs since adding the Feeding Period. To bring our calculated Breakeven and Cost per Pound Gain up to date for the Billing Invoice we will need to first RECALCULATE our Feeding Periods. Do this by:

1. Got to UPDATE DATA – Feeding Period – Normal
2. Select the Feeding Lot "nov 14 bulls"
3. Select RECALCULATE from the menu

- Now calculate the billing invoice
    ii. Go to UPDATE DATA – Investors – Bill Calculation
    iii. Select the Feeding Lot from the list that you want to derive an invoice from

Note the billing dates will come in automatically based on the last saved invoice and the last day of the last Feeding Period. If the dates are wrong, indicate the billing dates that you want

    iv.   Select CALCULATE from the menu
    v.   To see a preview of the bill on the screen, 'click' the investors name from the grid at bottom of the page and the PRINT INVOICE-SCREEN
    vi.   Print to billing invoice to paper or PDF file
    vii. SAVE
    viii. If you find a problem or need to recalculate, select DELETE to remove the last bill and then follow steps ii – vii above

Bill Calculation

Select the Feeding Lot

Indicate the dates over which the bill is calculated

Select options

Select CALCULATE

Click name and then PRINT INVOICE- screen to preview bill

b. **Record Payments** – made by investors (also credits for cattle value, pre-purchases and grain banking)

   i. **Go to UPDATE DATE – Investor – Record Payment**
   ii. **Select the Feeding Lot**
   iii. **'Click' the VIEW button to bring up the first investor involved with the Feeding Lot**
   iv. **Record payment or credit amount along with the date**
   v. **SAVE**

If the bills are calculated at this time in this example the feedyard would pay in $985.82 and the investor would pay in $1287.40

c. Reviewing & Managing Investor Data
   i. Go to ANALYSIS REPORTS – Investor
   ii. To see payments made – select the Feeding Lot and then VIEW PAYMENTS (cattle value should show here too)
   iii. To see Bills that were saved – select the Feeding Lot and then VIEW BILLS
   iv. To see income owed to investor – select the Investor and then INVESTOR INCOME
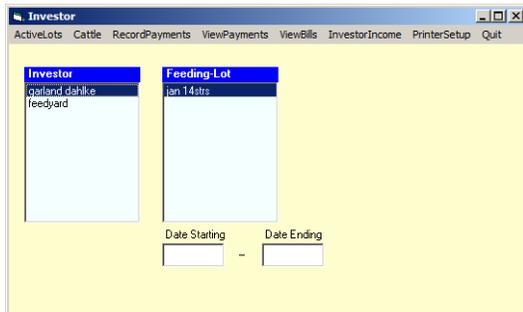
Review Investor data on this page to determine where payments or billing invoices are missing. Data can be deleted or updated directly from this page's output.

Review Reports

a. Feeding Periods
   i. Go to UPDATE DATA – Feeding Period – Normal
   ii. Select Feeding Lot
   iii. Select VIEW FEEDING PERIOD

b. Yard Report
   i. Go to Home Page
   ii. Select YARD button

c. Market Report
   i. Go to ANALYSIS REPORTS – Accounting – Cattle – Group Data
   ii. Select Feeding Lot and then PRINT MARKET DATA

d. Closeouts
   i. Go to ANALYSIS REPORTS – Management – Closeout
   ii. Select Feeding Lot and then CALCULATE from the menu
   iii. For individual animal closeout go to ANALYSIS REPORTS – Accounting – Cattle – Tag Data
   iv. Select Tags to report and then REPORTS – TAG CLOSEOUT from menu

Appendix C

Heifer Development Example

Situation: *Custom raised (developed) heifers from 2 purebred breeders.
*Fed from mid Feb 2012 through Sept 2012 when returned to owners after breeding.
*The animals are maintained both on pasture and in a feedlot
*Contains all health and repro data.
*Carcass ultrasound data collected for EPD calculation.
*Billing is done monthly.
*Weather data downloaded from weather station.

Set Up the Background Files

Set Up the Facility

SET UP – FACILITIES

Select NEW from Menu.

Provide the information as shown at left.

SAVE

Now add the second facility (a pasture) with details as given on the next figure.

==

Set Up the Feeds

SET UP – FEED – FEEDSTUFF

Select NEW from menu and for each feedstuff, type in feed names along with analysis as given in following chart. (don't miss the cost and pounds per unit inputs)

SAVE

Provide data on next feed, etc

NOTE the Feedlot monitor may not need all the data supplied on the feedstuffs.

Feeds	Hay	Distillers	Corn silage	Supplement	Rye Pasture	Summer Pasture
% DM	82	90.00	35.00	98.00	18	15
% Cr						
Prot.	13	32.00	8.00		17	15
% DIP	85	45.00	40.00		85	85
NDF	55	24.00	45.00		40	40
ADF	35	15.00	30.00		30	30
eNDF	100	5.00	65.00		100	100
TDN	60	92.00	65.00		72	72
NE m	0.6	0.90	0.73		0.71	0.71
NE g	0.3	0.65	0.40		0.52	0.52
NFC	15	10.00	31.00		22	22
Fat	2	12.00	3		2	2.3
Ca	0.75	0.30	0.22	10.00	0.7	0.7
P	0.3	0.90	0.20		0.3	0.3
Mg	0.3	0.30	0.20	3.00	0.3	0.3
K	2.3	1.50	1.40	1.00	2	2
S	0.18	0.80	0.10	0.20	0.15	0.15
Se				24		
Zn				2300		
Cu				600		
Mn				2000		
Co				10		
I				100		
vit A				150000		
vit D				10000		
vit E				50		
ionophore				800		
lbs/unit	2000	2000.00	2000	50	100	100
$/unit	80	210.00	55	25	0.05	0.05

Set Up the Rations

Ration Name	Feeds	%of Mix
Dev 1	Alf. Hay	28.8
	Distillers	12.7
	Supplement	0.9
	Corn silage	57.6
Rye Pasture	rye pasture	99
	supplement	1
Summer Pasture	summer pasture	99
	supplement	1

SET UP - FEED – RATIONS

Select NEW from menu

Provide the data for ration DEV 1

SAVE

Repeat for ration RYE PASTURE and again for SUMMER PASTURE

===

Set Up the Nonfeed Costs

Nonfeed Cost List

New Save Edit Input Sheet Delete Help Quit

Cost Name   bedding

Item List
bedding
board of trade
chute
commission
disposal_dead
exceede
interest
meat promo
med_treatment
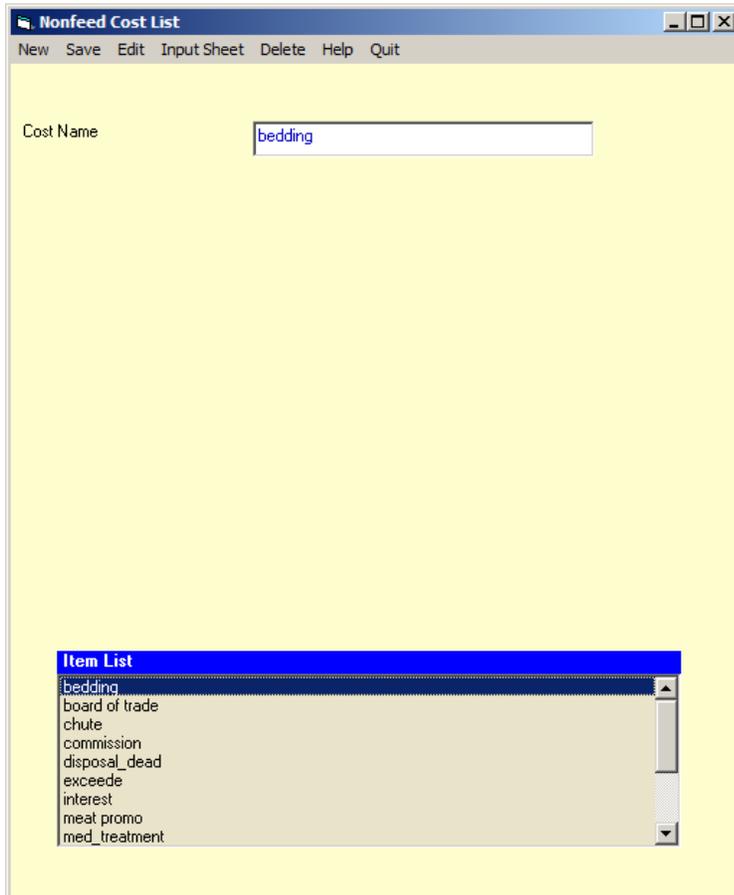
Bedding is the only nonfeed cost we will need to add since the other costs that will be tracked like YARDAGE, PROCESSING, MED_TREATMENT are incorporated by default into the program.

SET UP – NONFEED COST

Select NEW from menu

Indicate the BEDDING cost if it is not already in the program

SAVE

Set Up the Investors

Indicate the two investors in the set up area.

SET UP – INVESTORS

NEW

Provide the name and at least the email (this would ensure that they receive bench mark information)

SAVE

The two investor for this example are:

RC Angus, email = rca@sts.net

And

Crabsbrook, email = crabsbrook1@sts.net

Note that we can also set up buyers and venders that are dealt with as well in the set up area. By doing this we can be consistent in origins and destinations of feed, cattle, supplies, etc for reporting purposes.

Set Up the Feeding Lot

The following notes (shown on the next page) are the list of animals brought in. Notice there are two groups and each is owned by a particular investor. These are yearling heifers that are to be developed and bred. Because these animals need to be returned to the rightful owner this example will include a couple extra steps involving recording of individual ear tags that are usually excluded with custom fed feedlot cattle.

The first step is to identify the Feeding Lot that will hold the animals in the SET UP – FEEDING LOT area. Provide data as shown in the Feeding Lot image following.

Cattle IDs			Angus heifer calves		
Tag	Wt In		B-date	Owner	Date In
r1		649	4/28/2011	RC Angus	2/10/2012
r5		653	4/29/2011	RC Angus	2/10/2012
r6		664	4/29/2011	RC Angus	2/10/2012
r7		670	4/30/2011	RC Angus	2/10/2012
r9		648	5/5/2011	RC Angus	2/10/2012
r10		625	5/6/2011	RC Angus	2/10/2012
r11		639	5/10/2011	RC Angus	2/10/2012
r13		650	5/10/2011	RC Angus	2/10/2012
r15		663	5/11/2011	RC Angus	2/10/2012
r18		639	5/13/2011	RC Angus	2/10/2012
r19		625	5/14/2011	RC Angus	2/10/2012
r20		620	5/20/2011	RC Angus	2/10/2012
r21		672	5/21/2011	RC Angus	2/10/2012
r22		660	5/21/2011	RC Angus	2/10/2012
r24		650	5/22/2011	RC Angus	2/10/2012
r26		648	5/23/2011	RC Angus	2/10/2012
r27		643	5/24/2011	RC Angus	2/10/2012
w8		650	4/18/2011	CrabsBRK	2/20/2012
w9		680	4/19/2011	CrabsBRK	2/20/2012
w10		660	4/23/2011	CrabsBRK	2/20/2012
w11		640	4/30/2011	CrabsBRK	2/20/2012
w12		645	5/1/2011	CrabsBRK	2/20/2012

- *Value in for RD Angus calves is 1.40 x wt In*
- *Value in for CrabsBRK calves is 1.40 x wt In*

Feeding Lots

New   Save   Edit   Input Sheets   Delete   Cattle-Data   Help   Quit

Record Number: 3

Lot -feeding group: dev heifer
Wt. @ 50% Choice: 930
Date Started: 02/10/2012
Interest-cattle (%): 0
Interest-other (%): 3
Management: Developer
Health Risk: Low
Body Condition: 5
Breed: beef
Age: calf
Facility: heifer pastu

Calculate feed bills on individual tags (cattle)
Calculate feed bills as percent of whole lot

jan 14
bull test
dev heifer

Head Started   22

Ultrasound (optional) Avg.+ Std.Dev.
*Weight @ Measure: 0   0
*Rib Eye Area: 0   0
*Rib Fat: 0   0
*Intramuscular Fat: 0   0
*Date Measured:
*Note:

Notice which option is selected above-

Provide data as shown here and then select SAVE.

Ultrasound data can be added later if obtained.

Average & group Standard Deviation

After saving, the head count, investor and weight data are entered on each group entering the Feeding Lot.

UpDate Cattle Inventory

When the Feeding Lot Data is stored above you will be prompted as to whether you wish to put in the cattle data. When you choose to do so you will see the following screen (next page). Provide the data for the first group (the RC Angus cattle) as shown on that figure.

After filling in the screen, save the investor information first by selecting the small SAVE button. The select SAVE from the top menu bar to save the account record. When SAVE is selected from the menu, you will be asked if the individual eartag data was saved yet and since it was not indicate that you would like to input that data now. This will bring up the Excel template as shown after the screen figure.

Feeding Lot - Cattle Data

New   Save   View-Edit   InputSheet   Calendar   Quit

Field	Value
Feeding-Lot	dev heifer
Transaction	add cattle
Source	rc angus
Verification	
Eartag Color	
Investor Name	rc angus
Ownership	individual ownership

0

Field	Value
Eartag Letter	
First Tag Number	
Oldest Birth Date	04/28/2011
Date In	02/10/2012
Purchase-Lot	
Steers	
Heifers/Cows	17
Bulls	
Total Live Pay Wt.	11018
Total Shrunk Wt.	11018
Total $	15425.2

date

Cost Share %	Income Share %	Interest %
100	100	5

○ Cattle paid for
○ Cattle not paid for

Reset   Save
Delete   View

Output

Shrunk Wt/Hd.	648
Shrink %	.00
$/Pound	.00
$/Head	.00

Save investor first.

Note that of the 22 head these 17 are owned 100% by the listed investor. They are therefore entered as a group of "17" head. The other 5 head owned by the other person are entered separately as a group of "5" with that invested listed as 100% ownership.

The Excel template on the next page shows the initial 17 head entered.   Provide this information as taken from the calf list shown 2 pages previously.

Cattle Eartag Input for ISU Feedlot M

COUNT >>> 15425 11018

	A	B	C	D	E	G	H	I	J	K	L	M	N	O
2			**Load Data**	**Save Data**	**Clear Scre**									/2012
3		**Feeding-Lot:**												0.00
4	Rec. #	dev heifer	**FeedingLot**	**Tag Color**	**Tag Letter**	**Tag Number**	**Investor**	**Purchase Lot**	**HomeTag**					**In**
5	110	dev heifer	red			1	rc angus							/2012
6	111	dev heifer	red			5	rc angus							/2012
7	112	dev heifer	red			6	rc angus							/2012
8	113	dev heifer	red			7	rc angus							/2012
9	114	dev heifer	red			9	rc angus			5/5/2011	rc angus	907	648	02/10/2012
10	115	dev heifer	red			10	rc angus			5/6/2011	rc angus	875	625	02/10/2012
11	116	dev heifer	red			11	rc angus			5/10/2011	rc angus	895	639	02/10/2012
12	117	dev heifer	red			13	rc angus			5/10/2011	rc angus	910	650	02/10/2012
13	118	dev heifer	red			15	rc angus			5/11/2011	rc angus	928	663	02/10/2012
14	119	dev heifer	red			18	rc angus			5/13/2011	rc angus	895	639	02/10/2012
15	120	dev heifer	red			19	rc angus			5/14/2011	rc angus	875	625	02/10/2012
16	121	dev heifer	red			20	rc angus			5/20/2011	rc angus	868	620	02/10/2012
17	122	dev heifer	red			21	rc angus			5/21/2011	rc angus	941	672	02/10/2012
18	123	dev heifer	red			22	rc angus			5/21/2011	rc angus	924	660	02/10/2012
19	124	dev heifer	red			24	rc angus			5/22/2011	rc angus	910	650	02/10/2012
20	125	dev heifer	red			26	rc angus			5/23/2011	rc angus	907	648	02/10/2012
21	126	dev heifer	red			27	rc angus			5/24/2011	rc angus	900	643	02/10/2012
22														
23														
24														
25														
26														
27														

Type in or paste data

Select SAVE button

Tabs: EarTags | TagMovement | EditChangeTags

Ready   100%

Feeding Lot - Cattle Data

New   Save   View-Edit   InputSheet   Calendar   Quit

Feeding-Lot	dev heifer	Eartag Letter	
Transaction	add cattle	First Tag Number	
Source	crabsbrook	Oldest Birth Date	
Verification		Date In	02/20/2012
Eartag Color		Purchase-Lot	
Investor Name	crabsbrook	Steers	
Ownership	individual ownership	Heifers/Cows	5
		Bulls	
3		Total Live Pay Wt.	3275
		Total Shrunk Wt.	3275
		Total $	4585

date

Cost Share % Income Share % Interest %
100   100   5

◉ Cattle paid for   Reset   Save
◉ Cattle not paid for   Delete View

Output

Shrunk Wt/Hd.	655
Shrink %	.00
$/Pound	1.40
$/Head	917.00

Second set of cattle placed in the same Feeding Lot now.

Note that these came in 10 days later

Provide this data and SAVE as previous set of 17 head.

Indicate investor data and ownership. Check that these cattle are already paid for.

The spreadsheet shows:

	A	B	C	D	E	G	H	I	J	K	L	M	N	O
1	**Cattle Eartag Input for ISU Feedlot M**								COUNT >>>			20010	14293	
2		Load Data	Save Data	Clear Scre									650	02/12/2012
3		Feeding-Lot:	dev heifer	white	Tag	Tag	crabsbrook						15	4.29
4	Rec. #	FeedingLot	Tag Color	Letter	Number	Investor	Purchase Lot	HomeTa					Pay Wt In	Date In
5	110	dev heifer	red		1	rc angus							649	02/10/2011
6	111	dev heifer	red		5	rc angus							653	02/10/2011
7	112	dev heifer	red		6	rc angus							664	02/10/2011
8	113	dev heifer	red		7	rc angus							670	02/10/2011
9	114	dev heifer	red		9	rc angus							648	02/10/2011
10	115	dev heifer	red		10	rc angus							625	02/10/2011
11	116	dev heifer	red		11	rc angus							639	02/10/2011
12	117	dev heifer	red		13	rc angus							650	02/10/2011
13	118	dev heifer	red		15	rc angus							663	02/10/2011
14	119	dev heifer	red		18	rc angus							639	02/10/2011
15	120	dev heifer	red		19	rc angus							625	02/10/2011
16	121	dev heifer	red		20	rc angus							620	02/10/2011
17	122	dev heifer	red		21	rc angus							672	02/10/2011
18	123	dev heifer	red		22	rc angus							660	02/10/2011
19	124	dev heifer	red		24	rc angus							650	02/10/2011
20	125	dev heifer	red		26	rc angus							648	02/10/2011
21	126	dev heifer	red		27	rc angus				5/24/2011	rc angus	900	643	02/10/2011
22		dev heifer	white		8	crabsbrook			4/18/2011	crabsbrk	910	650	02/20/2011
23		dev heifer	white		9	crabsbrook			4/19/2011	crabsbrk	952	680	02/20/2011
24		dev heifer	white		10	crabsbrook			4/23/2011	crabsbrk	924	660	02/20/2011
25		dev heifer	white		11	crabsbrook			4/30/2011	crabsbrk	896	640	02/20/2011
26		dev heifer	white		12	crabsbrook			5/1/2011	crabsbrk	903	645	02/20/2011
27														

Sheet tabs: EarTags / TagMovement / EditChangeTags

Callout box:
The Feeding Lot name is selected and the existing animals in the lot will load automatically.

The added 5 head are now added to the list. By 'Right' clicking, the cell will load with the item selected in the drop down list bove.

SAVE

UpDate Feed Inventory

Feeds	Hay	Distillers	Corn silage	Supplement	Rye Pasture	Summer Pasture
lbs/unit	2000	2000.00	2000	50	100	100
$/unit	80	210.00	55	25	0.05	0.05
inv. Units	180.00	126.00	300.00	20.00	not kept	not kept
	8/30/11	2/2/12	9/15/11	2/2/12	4/4/11	5/15/12
Origin	home	Big E	home	fleet	home	home

The amounts and values of the individual feedstuffs used now need to be indicated. Above are the inventory amounts and value per unit for each. Note that inventory units do not need to be indicated unless you choose to keep inventory. In this example we are keeping inventory on each ingredient except the two pastures. There we will only indicate the value per 1 unit (100 lbs) which was estimated at $0.05 per 100 lbs. See following image for more detail.

To enter the inventory amounts and value:

UPDATE DATA – FEED+ FEEDING PERIOD – FEED INVENTORY

Select the feed from the list.

Provide the data

Check if inventory is kept.

SAVE

Repeat for the next feedstuff.

Note that there is a mistake on the date for this feed. To fix, select VIEW from menu.

On the screen that appears, find the feed name

Select VIEW RECORDS

On the screen printout, find the record involved and the record number.

Select UPDATE from the menu

Feed Inventory

Save   View   Quit

Record Number	1
Feedstuff	supplmnt
Pounds / Unit	50
$ / Unit Markup	0
% / Unit Markup	0
Current Units	20.00
Current Value $	500.00
Origin	fleet
Feed Dry Matter %	98
Total Units Added	20
Total Value Added	500
Date	02/02/2012

☑ Inventory Kept (check if yes)

$/Unit 25.00

⦿ Add to Inventory
⦿ Remove from Inventory
○ Update Inventory
○ Correct $ Value

Type in the record number and the original record will appear.

Then provide the correct information and select SAVE from menu.

Feeding Period Information

Below are the Feeding Period records. Notice the starting, ending dates, the ration name, the amount fed or estimated consumption and the facility. Note that pasture is considered as a facility.

Start	End	Ration	lbs fed	Facility
2/10/2012	2/29/2012	dev 1	13300	home pens
3/1/2012	4/3/2012	dev 1	23100	home pens hef
4/4/2012	5/15/2012	rye past	69300	pasture hef
5/16/2012	6/15/2012	sum past	66000	pasture hef
6/16/2012	7/31/2012	sum past	82110	pasture hef
8/1/2012	8/31/2012	sum past	55335	pasture

Feeding Period Entry

Select UPDATE DATA – FEED+FEEDING PERIOD – FEEDING PERIOD – NORMAL

Select the dev heifer Feeding Lot and provide data as shown below. Then SAVE from menu.

Use the previous chart to add in the other feeding periods. Be sure to update the ending dates, select the correct facility and ration each time.

When the feeding periods are all in you may look at the results by selecting VIEW from the menu. The screen on the following page will be what you observe if you pick the VIEW-SCREEN selection..

Update   Quit

dev heifer
02/10/2012   beef   Initial Hd: 22   Current: 22   SoldOff: 0   Recvd: 0.00
Developer   calf   Health Risk: Low   Pulls: 0   Started: 14293   Spent: 24810.20
              Heifers   Cur.Facility: heifer pastu   Deads: 0   Net lbs: -14293 $ Net: -24810.20

Record Number	Start Date	End Date	Day on Feed	Wt	ADG	F:G	AFI	DMI	% DM	Intake Ratio	DM
1	02/10/2012	02/29/2012	20	689	1.93	9.9	34.1	19.1	56.1	1.12	
2	03/01/2012	04/03/2012	54	750	1.79	9.7	30.9	17.3	56.1	0.97	
3	04/04/2012	05/15/2012	96	807	1.35	10.4	75.0	14.1	18.8	0.74	
4	05/16/2012	06/15/2012	127	851	1.41	10.9	96.8	15.3	15.8	0.76	
5	06/16/2012	07/31/2012	173	888	0.80	16.1	81.1	12.8	15.8	0.61	
6	08/01/2012	08/31/2012	204	910	0.71	18.0	81.1	12.8	15.8	0.59	

Add in other Nonfeed Costs

If there are other costs besides yardage, they should be included as well. In this case there was some bedding used that needs to be factored into the cost of developing these heifers. (see below)

We have already identified bedding as one of the costs that we track but here we will indicate how much was spent and when this occurred.

Select UPDATE DATA – COSTS NONFEED /NONCATTLE

Provide data for each of the 3 records below and SAVE.

Bedding Delivered

Date	Amount lbs	$	Origin
2/10/2012	1500	40	home raised straw
3/1/2012	1500	40	home raised straw
3/15/2012	1500	40	home raised straw

Nonfeed Variable Costs

Save   View-Edit   Input Sheet   Quit

Feeding-Lot   dev heifer

Cost Items: bedding

Vender: home

Date Incurred: 02/10/2012

Total Cost: $ 40

Description: straw

Provide data for each straw transaction as shown at left. Then SAVE.

Health Data

Health data includes processing and treatment costs along with the (health) product inventory.

This data can be included with a great amount of detail of very little depending on what is necessary to you. This example deals with using all the details of the system.

With the detailed system we will:

1. Identify the drugs or products used / inventoried.

2. Adding products / drugs to the inventory.

3. Identify the processing protocols used.

4. Recording the process used on the Feeding Lot

5. Identify the treatment protocols used for treating sick animals.

6. Record the treatment used on the animal in the Feeding Lot.

If we opted to use the basic system we would only concern ourselves with:

1. Recording the process used on the Feeding Lot

2. Record the treatment used on the animal in the Feeding Lot.

Identify the drugs or products used / inventoried

Below is the list of drugs/ items used in this example for processing and treating the animals involved. Remember this is a two step process. The first step will be to identify what is being used. The second step will be to place these items into inventory

Drug Inventory

Item	Dose	Withdrwl	MrkUp%	Class	Units	$	Origin	Note
Express HS	1/hd	21 d	5	vaccines	100	250	Vet supply	2cc=1unit
Ultra 7	1/hd	21d	5	Vaccines	100	150	Vet supply	2cc=1unit
Wormer	1/100 lbs	20 d	2	anthelmentic	2500	2500	Vet supply	
Cidrs	1/hd			implant	100	1000	Vet supply	
GnRH Estro	1/hd		2	Drug - hormone	100	2900	Vet supply	2cc=1unit
PG Lut	1/hd		2	drug – hormone	100	2800	Vet supply	5cc=1unit
Penicillin	1/100 lbs	7d	2	Drug - antibiotic	100	10	Vet supply	
Draxx	1.1/100 lbs	18d	2	Drug – antibiotic	50	130	Vet supply	
AS700	.25/100	7d	2	Drug - antibiotic	2000	500	Vet supply	
Ear tag	1/hd			tags	500	500	Vet supply	

Go to SET UP – HEALTH – DRUGS & PRODUCTS

Provide info on each item on this screen as shown done for the ear tags.

Name

Dose (per head or per 100 pounds)

Withdrawal (days after given)

Markup % (use if sold for profit or to account for shrink)

Product class

Adding products / drugs to the inventory

To add the above mentioned items to inventory go to UPDATE DATA – HEALTH – DRUG INVENTORY

Select the Product Class and then the Product Name and indicate what is placed into inventory. Then SAVE

Do this for each item listed on previous page.

Notice that we are handling drugs like feedstuffs.

Identify the processing protocols used

Processing Protocols

Name	Drugs	Dose
Receiving Protocol	Ivermectin	1ml / 100
	Express 5 HS	2cc
	Ultra 7	2cc
	chute	
Repro Synch	cidr	1
	pg	1
	gnrh	1 x 2
	chute	

Go to SET UP – HEALTH – PROCESSES

Provide data for the receiving protocol as shown below

The "1" means that we following the dose described when we set up the drug/product list. A "2" would mean double dose or 2 units used.

5 is a $5 chute charge

With this synch protocol we use 2 doses of GNRH per head, one dose of prostaglandin and 1 cidr per head.

The actual semen could vary in price so we add that on as extra charges when we record the synch procedure.

Recording the process used on the Feeding Lot

Processing Data

Date	Process/Trt	EarTag		avg wt	notes
2/10/2012	Recv proto	all red tag calves	17 hd	648	
2/20/2012	Recv proto	all white tag calves	5 hd	655	
					21 head
6/15/2012	ultrasound	all	21 hd	860	x $18
6/15/2012	repro - synch	all	21 hd	860	
6/24/2012	breed	all	21 hd	860	21 head x $35

The chart above shows the processing records that were taken on this group. Note that the Receiving Protocol and the repro synchronization were the recorded protocols since they are standard items. The ultrasounding and breeding are done by outside venders and therefore are recorded in the simple format alluded to earlier since the pricing of these two events is subject to changes regularly and no inventory items are involved.

Go to UPDATE DATA – HEALTH – ANIMAL PROCESSING

Provide data as shown on next page for each of the items indicated above and SAVE.

Animal Processing (top form)

Field	Value
Feeding-Lot	dev heifer
Head	17
Eartag Color	red
Eartag Letter	
Eartag#-start	
E-ID Tag	
Avg. Weight	648
Date Worked	02/10/2012
Extra Cost $	
Date of Next Treatment	
Days of Withdrawal	

17

Process-	recv protocla
Process-	
Process-	
Process-	
Process-	
Process-	
Process-	
Doctor/Tec	farm help

Output
Total Cost $
Drug Cost $
Withdrawal

Calculate

The top protocol was predefined and is selected from the dropdown list

Extra costs could be recorded here.

Animal Processing (bottom form)

Field	Value
Feeding-Lot	dev heifer
Head	21
Eartag Color	
Eartag Letter	
Eartag#-start	
E-ID Tag	
Avg. Weight	846
Date Worked	06/15/2012
Extra Cost $	378
Date of Next Treatment	
Days of Withdrawal	

21

Process-	ultrasound
Process-	
Process-	
Process-	
Process-	
Process-	
Process-	
Doctor/Tec	big image

Output
Total Cost $ 101.39
Drug Cost $ 76.39
Withdrawal   48

Calculate

This bottom protocol was defined when entered into the program as done here.

Process name typed in

Total cost indicated

Identify the treatment protocols used for treating sick animals

Treatment and Processing Protocols

Name	Drugs	Dose
Resp pneum.	draxin chute	Rec. level
Cough	as 700	Rec. level

Three treatment protocols need to be entered here.

Go to SET UP – HEALTH – TREATMENT PROTOCOLS

Select NEW from the menu and type in the pinkeye treatment first. Notice the dose adjustment is 1 or normal in this case.

Put in the Resp pneumonia and cough treatments and SAVE.

Treatment Protocol List

New   Save   Edit   Delete   Help   Quit

Record Number   2

Treatment Name   resp pnue

Disease Name   pnuemonia

acidosis
allergy
anaplasmosis

Product Used + Dose

draxxin   1
as 700
cidr
draxxin

as 700   0
cidr
draxxin

as 700   0
cidr
draxxin

as 700   0
cidr
draxxin

as 700   0
cidr
draxxin

as 700   0
cidr
draxxin

Item List

cough
pinkeye
resp pnue

Record the treatment used on the animal in the Feeding Lot

Health data

Date	Process/Trt	EarTag		avg wt	notes	notes
2/22/2012	cough	all calves	22 hd	658		
3/1/2012					$5	104 /
	trt resp	r11	1 hd	644	chute	60
3/10/2012					$5	102 /
	trt resp	r11	1 hd	648	chute	44

The whole group came down with a cough and runny nose so they were medicated. To record this record:

Go to UPDATE DATA – HEALTH – ANIMALS TREATMENTS

Provide data as shown here and SAVE

Health Treatments

New   Save   View-Edit   Print   Quit

Feeding-Lot	dev heifer
Head	1
Disease	pnuemonia
Eartag Color	red

○ New Case
○ Retreat

Note   1   02/10/2012

Gender	heifers
Clinical Illness Score	2 - sick
Treatment	resp pnue
Process-	
Process-	
Process-	
Doctor/Tec	farm help
Disposition	sick in lot

Show Protocol

Eartag Letter	
Eartag#-start	11
E-ID Tag	
Hospital Tag	
Date Treated	03/01/2012
Extra Cost $	5
Date of Next Treatment	
Days of Withdrawal	
Temperature	104
Weight	644
Respiration Rate	60

Date

Output
Total
Drug
Withdr

One of the heifers "r11" became sick and was treated for pneumonia march 1 and then retreated March 10. Provide this data as well.

Note the $5 chute charge is added here

Note that we could have added the Doctor/Tec in the SET UP part of the program under HEALTH as well to speed up the entry process later on.

Removing Animals from Feeding Lot

The animal r11 did not improve and was pulled from group. The other animals were returned at the end of August after breeding and exposure to the bull for a couple months.

To remove animals like this "realizer" go to UPDATE DATA – CATTLE – BUY/SELL/TRANSFER and provide data as shown in the following image.

Animal Removal

Date	Reason	Tag	Value	Wt	Destination
5/1/2012	realizer	r11	$400	700	rc angus

This is the current projection and value based on that projection on the heifers in this Feeding Lot. This sick animal obviously did not keep up with the rest and is removed at the actual weight and money values which will later be reflected in the closeout.

Feeding Period Summary needs to be re-run since many costs were added after the Feed Data and original Feeding Period Summary was calculated.

To re-run a Feeding Period Summary and factor in all updated and added on costs:

Go to UPDATE DATA – FEEDS+FEEDING PERIOD – FEEDING PERIOD – NORMAL

Select the Devl Heifer Feeding Lot and then RECALCULATE – RECALCULATE (with corrected feed prices)

Feeding Period Summary

Update   Quit

dev heifer
02/10/2012   beef   Initial Hd: 22   Current: 21   SoldOff: 700   Recvd: 400.00
Developer   calf   Health Risk: Low   Pulls: 1   Started: 14293   Spent: 26739.20
             Heifers   Cur.Facility: heifer pastu   Deads: 0   Net lbs: -13593 $ Net: -26339.20

Record Number	Start Date	End Date	Day on Feed	Wt	ADG	F:G	AFI	DMI	% DM	Intake Ratio	DM
1	02/10/2012	02/29/2012	20	690	1.99	9.6	34.1	19.1	56.1	1.32	
2	03/01/2012	04/03/2012	54	753	1.85	9.3	30.9	17.3	56.1	1.14	
3	04/04/2012	05/15/2012	96	815	1.47	9.7	76.2	14.3	18.8	0.88	
4	05/16/2012	06/15/2012	127	865	1.61	10.0	101.4	16.0	15.8	0.93	
5	06/16/2012	07/31/2012	173	910	0.97	13.9	85.0	13.5	15.8	0.75	
6	08/01/2012	08/31/2012	204	937	0.87	15.4	85.0	13.5	15.8	0.72	

The return of the heifer back to their owners at the end of August can also be indicated now since all the data has been provided and updated. Go to the UPDATE DATA – CATTLE – BUY/SELL/TRANSFER and record this as shown below.

The record of the first owner's animals is listed as follows. Note we removed one realize from this fellow so 16 were returned.

The actual weight is provided and the value per head x the 16 head was used in this case to value the animals for the later closeout. If these were actually marketed we would have used the actual value received rather than this breakeven value.

Feeding Lot - Cattle Data

Field	Value
Feeding-Lot	dev heifer
Transaction	breeding
Destination	crbsbrk
Eartag Color	white

Menu: New Save View-Edit Input Sheet Calendar Quit

Field	Value
Eartag Letter	
First Tag Number	
Date	
Heifers/Cows	5
Bulls	
Total Live Pay Wt.	5016
Total $	7452.27

Output

Field	Value
Est. Wt.	918
Breakeven $/cwt	148.57
$ per Head	1363.87

0

Head in Pen   5h

$/Head

The remaining 5 head are now shown as removed and returned to owner as well. Once saved, we could do the CLOSEOUT, but because we were providing individual information on these animals we will also need to record the individual information shown below.

Here also the estimated weight was under predicted. Generally this value is fairly close, but having animals on pasture made the estimation difficult. The correct weight added here will give us an accurate closeout.

Recording the Individual Animal Information

Animal Removal

Date	Reason	Tag	Value	Wt	Destination
5/1/2012	realizer	r11	$400	700	rc angus
8/31/2012	breeding	r1	1497	1005	rc angus
8/31/2012	breeding	r5	1468	985	rc angus
8/31/2012	breeding	r6	1416	950	rc angus
8/31/2012	breeding	r7	1471	987	rc angus
8/31/2012	breeding	r9	1508	1012	rc angus
8/31/2012	breeding	r10	1496	1004	rc angus
8/31/2012	breeding	r13	1442	968	rc angus
8/31/2012	breeding	r15	1427	958	rc angus
8/31/2012	breeding	r18	1506	1011	rc angus
8/31/2012	breeding	r19	1524	1023	rc angus
8/31/2012	breeding	r20	1444	969	rc angus

Here are the actual weights and values based on the production costs for each animal.

To provide this individual data to the program, go to UPDATE DATA – CATTLE – EARTAG DATA - EXCEL

8/31/2012	breeding	r21	1487	998	rc angus
8/31/2012	breeding	r22	1550	1040	rc angus
8/31/2012	breeding	r24	1491	1001	rc angus
8/31/2012	breeding	r26	1471	987	rc angus
8/31/2012	breeding	r27	1442	968	rc angus
8/31/2012	breeding	w8	1502	1008	CrabsBRK
8/31/2012	breeding	w9	1471	987	CrabsBRK
8/31/2012	breeding	w10	1474	989	CrabsBRK
8/31/2012	breeding	w11	1523	1022	CrabsBRK
8/31/2012	breeding	w12	1505	1010	CrabsBRK

The data regarding the final weight and value are pasted into the Excel input template and then the SAVE button is selected to file. Note that the ultrasound data could also be provided here and allow individual projections to be generated.

Individual Animal Closeout

1. Go to ANALYSIS – ACCOUNTING – CATTLE – TAG DATA

2. Select Tags from list to include.

3. Select REPORTS – TAG CLOSEOUT from menu

The Feeding Lot can be selected and then the FEEDING LOT TAGS button to load only tags found in the selected lot.

```
Animal Closeout
     Quit


Feeding Lt: dev heifer
Investor:   crabsbrook
                                                       - -Wt- -     #    - - - - - - $ - - - - - -
Cnt Tag                          Date In    Date Out  DoF  In   Out  ADG trt  In   Feed NFV  Out  Net  C  Source        Destination

1  white8_0                      02/10/2012 08/31/2012 204  650  1008 1.8  0   910  132  449  1502  11  r  crbsbrk       crbsbrk
2  white9_0                      02/10/2012 08/31/2012 204  680  987  1.5  0   952  132  449  1471 -62  r  crbsbrk       crbsbrk
3  white10_0                     02/10/2012 08/31/2012 204  660  989  1.6  0   924  132  449  1474 -31  r  crbsbrk       crbsbrk
4  white11_0                     02/10/2012 08/31/2012 204  640  1022 1.9  0   896  132  449  1523  46  r  crbsbrk       crbsbrk
5  white12_0                     02/10/2012 08/31/2012 204  645  1010 1.8  0   903  132  449  1505  21  r  crbsbrk       crbsbrk
```

Whole Lot Closeout

1. Go to ANALYSIS – MANAGEMENT – CLOSEOUT

2. Select Feeding Lot from list to include.

3. Select CALCULATE from menu


```
Closeout Summary
    Quit
   Feeding Lot:  dev heifer                          Date Fed: 02/10/2012 - 08/31/2012

   DESCRIPTION              FEED        TOTAL $    TOTAL lbs  % DM  DM/HD   $/UNIT
   =========================  ======================================================
   Management: Developer
   Facility:    windbreak     distiller gr  554.7      4623   90   189.1  240.0
   calf      -females-beef    hay            2.3      10483   82   390.7    0.4
   Head Started: 22  (650 lb) 2 corn silag 576.6     20966   35   333.6   55.0
   Head Sold:    22  (981 lb) hef sup      1527.5      3055   98   136.1   25.0
   Death Loss:    0  (0.0%)   rye pasture   34.3      68607   18   561.3    0.0
                              summer pastu 100.7     201411   15  1373.3    0.1
   PURCHASE LOT/ SOURCE
                              TOTAL POUNDS (AF): 309145   (DM): 65650   21.2 %DM
   NOTES:




   ANIMAL PERFORMANCE         COST SUMMARY       $/UNIT       $/HD       TOTAL $
   =========================  ==================================================
   Total Beef In:   14293 lb  feed           69.95 $/tn DM  127.10    2,796.18
   Total Beef Out:  21582 lb  interest       0.03 $/hd/d      5.20      114.45
                              yardage        0.22 $/hd/d     43.39      954.66
   Feeding Days:      204     bedding        0.03 $/hd/d      5.45      120.00
   Avg Days Fed:    196.2     treatments     0.00 $/hd/d      0.45       10.00
   ADG:             1.69 lb   processing     0.31 $/hd/d     61.59    1,355.00
   Feed/Gain:       9.01      health products 1.46 $/hd/d    285.46    6,280.01
   DMI (avg):       15.21 lb  cattle         1.40 $/lb      909.55   20,010.20
   AFI (avg):       71.63 lb                                        _____
   Final NEg:       49 Mcal   TOTAL COST                    1438.20   31,640.50
       eNDF:        11 %
       NFC:         21 %      INCOME SUMMARY
                             ==================================================
                Intake  Pulls cattle         1.47          1439.94   31,678.66
   1st Qrt:      1.32    24                                          _____
   2nd Qrt:      1.01     0   TOTAL INCOME                  1439.94   31,678.66
   3rd Qrt:      0.93     0   NET INCOME    0.00 $/lb          1.73       38.16
   4th Qrt:      0.74     0

   $ PERFORMANCE
   =========================
                Feed   Total
   $/Day:       0.65    2.69
   $/lb Gain:   0.38    1.60

   Breakeven $/cwt:  146.61
   less interest:    146.08
```

Cattle Records >>> In and Out of Feeding Lot

1. Go to ANALYSIS – ACCOUNTING – CATTLE – GROUP DATA

2. Select Feeding Lot from list to include.

3. Select PRINT ALL from menu

```
Cattle Data
Update  Delete      Quit

   dev heifer
        Total to Date: $   11,668.46    Total Wt In:  14,293
        Total Current Head: 0           Total Wt Out:  21,582

Record Feeding Lot    Date       $ Amount  Head Description      Wt         Origin/Destin

4      dev heifer     02/10/2012  15,425   17   add cattle       11,018     rc angus
5      dev heifer     02/20/2012   4,585    5   add cattle        3,275     crabsbrk
6      dev heifer     05/01/2012     400    1   realizer            700     rc angus
7      dev heifer     08/31/2012  23,831   16   breeding         15,866     rc angus
8      dev heifer     08/31/2012   7,447    5   breeding          5,016     crbsbrk
```

Nonfeed Variable Records >>> Summary of Feeding Lot

1. Go to ANALYSIS – ACCOUNTING – NONFEED VARIABLE COSTS

2. Select Feeding Lot from list to include.

3. Select VIEW SUMMARY from menu

```
Nonfeed Variable Cost - Summary
    Quit

   dev heifer

                     Total $ Spent:  28844.33

        Item            $ Value

1       interest         114.45
2       yardage          954.66
3       bedding          120.00
4       cattle        20,010.20
5       processing     1,355.00
6       med treatments    10.00
7       drug/product   6,280.01
```

Feed Records >>> Summary of Feeding Lot

1. Go to ANALYSIS – ACCOUNTING – FEED

2. Select Feeding Lot from list to include.

3. Select VIEW SUMMARY from menu


```
Feed Inventory - Summary - Feed Removed
    Quit

   dev heifer

                        Total Value$ 2796.2

     Inv.  Feedstuff        Units        $ Value      Lbs/Unit  Lbs.     $/Unit.
 1   n     distiller gr        2.31       554.74  2,000.0       4623      240.00
 2   y     hay                 5.24         2.33  2,000.0      10483        0.44
 3   y     2 corn silag       10.48       576.58  2,000.0      20966       55.00
 4   y     hef sup            61.10     1,527.53     50.0       3055       25.00
 5   y     rye pasture       686.07        34.30    100.0      68607        0.05
 6   n     summer pastu    2,014.11       100.71    100.0     201411        0.05
```

Billing

1. Go to UPDATE DATA – INVESTOR – BILL CALCULATION

2. Select Feeding Lot from list to include.

3. Indicate the dates to include in the bill

4. Select CALCULATE

Bill Calculation

Calculate Print Invoice Save Delete Last Bill Payments/Bills Quit

Feeding-Lot List
- jan 14
- bull test
- dev heifer

individual ownership

Previous Billing:
(saved invoice)

Current Billing: 02/10/2012 – 08/31/2012   Date

- ⦿ No Feed Markup
- ◉ Feed Markup as %
- ◉ Feed Markup as $/ton

Account Adjustment - $ to bill   (type in amount and click investor name below to apply)

Include Cattle On Invoice ?   No

Include Feed Ingredient Cost On Invoice ?   Yes

Include Cattle List with Invoice ?   Yes

Investor List

Investor	Credit	Charge on Balance	Current Billing Charge	Account Adjustment	Balance Due	% Sh Cost
rc angus	0.00	0.00	9159.52		9159.52	76.6:
crabsbrook	0.00	0.00	2773.33	0	2773.33	23.3:
				0.00		

Select the investor name from grid and then select PRINT INVOICE-SCREEN to see a breakdown on an individual investor's bill.

After CALCULATING bill, the individual charges can be seen by selecting the investors name(click it with mouse) and then selecting PRINT INVOICE-SCREEN.

Be sure to print out invoice selecting PRINT INVOICE-PAPER and then SAVE

Customer Invoice

Quit

Patron: rc angus   Period: 02/10/2012 - 08/31/2012
Feeding-Lot: dev heifer
FEEDING-LOT (whole pen data)   INVESTOR'S SHARE   INVESTOR'S SHARE
CURRENT DATA   FEED   UNITS $ NONFEED $

Cost/Income Share %: all for specified cattle

Facility: heifer pastu
Initial Head: 22
650 lb/hd 1 $/lb
Current Head: 0
Death Loss: 0

PERIOD DATA

Med.Treatments: 24
Retreats: 0

Cattle Added: 22
Removed-market: 0
Removed-breeding: 21
Removed-sickpen: 0
Removed-dead: 0
Removed-other: 1
$ Value Removed: 31424.39
981 lb/hd

Breakeven: 148.57
$/lb. Gain: 4.01
DMI:Wt (%):   1.50
ADG: 0.69
DMI: 13.50
F:G: 19.57
Days Fed: 204
Est. Wt: 918

BILLING SUMMARY (investor)
_____
    cattle not included
Charges to Date: 0.00
Payments to Date: 0.00
Outstanding Balance: 0.00
Credit: 0.00
Charge on Balance: 0.00
Current Bill: 9159.52
Account Adjustment:
===========================

BALANCE DUE: 9159.52

FEED	UNITS	$
distiller gr	1.77	425.12
hay	4.02	321.35
2 corn silag	8.03	441.86
hef sup	46.82	1170.61
rye pasture	525.77	26.29
summer pastu	1543.50	77.17

Total Feed $:   2462.40
Feed $/ton: 20.79
Feed DM%:   21.24

NONFEED	$
yardage	731.60
bedding	91.96
processing	1038.40
drug/product	4771.61

OWNER SPECIFIC CHARGES
	$
processing	0.00
med/treat	10.00
drug/product	53.56

Total N.F. Cost $:   6697.12

Total Group in Feeding Lot Data

Investor's cost data broke down based on number of head in Feeding Lot

Investor's cattle with specific charge above the rest in the Feeding Lot

Overall current charge for investor/patron

Appendix D
Elanco Benchmark

In previous Feedlot Monitor versions there was an option to participate in the Vet Life, then AgSpan and now Elanco Benchmark program. If you participate in this program you may generate the reports needed from the Closeout screen of the Feedlot monitor by selecting the Elanco Benchmark button (see below).
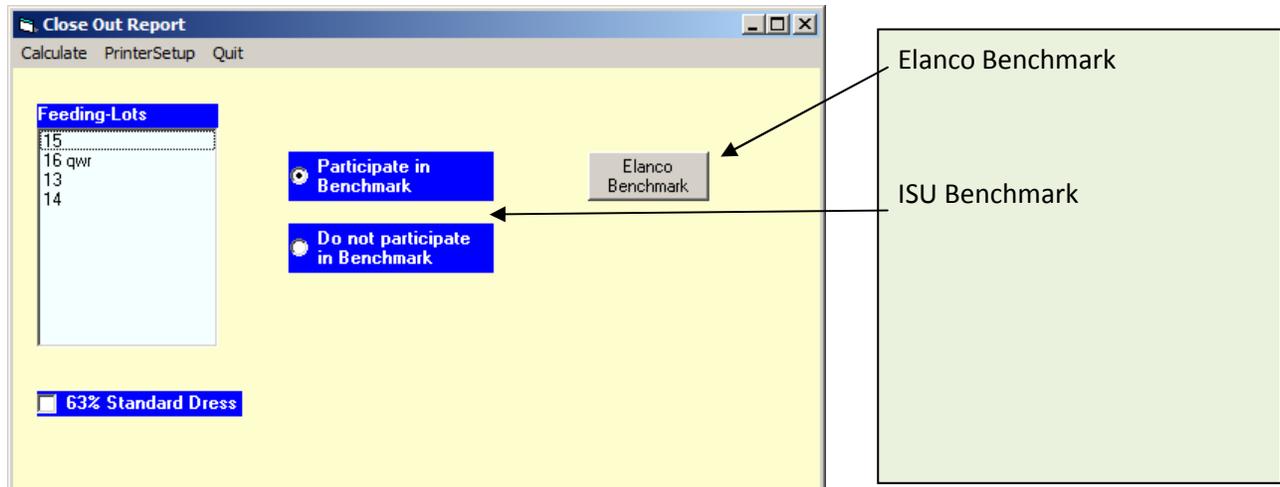
The Elanco Benchmark form appears as shown below:

1. Your contact information should come in automatically as shown above. If it does not, enter it in the SETTINGS-YARD CONTACT area of the program first.

2. Type in the time period that you are summarizing over.

3. Select EXECUTE from the menu bar.

4. Two files are made from feeding lots that have been emptied out over the specified time period. The **AgSpanCloseOutData.xml** and the **AgSpanFeedRationData.xml** files are made and left in the directory holding your ISU Feedlot Monitor (by default this would be C:\ISUBEEF).

5. From the Elanco Benchmark Interface screen you may choose to copy these benchmark files to another location (like a flash drive) after running the Execute for ease in finding them for mailing to the Elanco Office.

6. If you do participate in this program, work with your Elanco Benchmark representative to find out where these files need to be sent.

Technical Note
The Elanco Benchmark interface is a standalone application named "Agspan.exe". This application (file) should be placed into the same directory as the Feedlot_Monitor.exe file. By default this would be the ISUBEEF directory, although it may not be if you changed the name of this directory or made multiple producer copies.

The Agspan file will be installed with the installation of the Feedlot Monitor if it is not you may go to the following link to download the file: http://iastate.box.com/s/zu96p3ph9ggbw1pub4mj

Place this file into the same directory as the Feedlot_Monitor.exe file.

Glossary

Average Daily Gain (ADG)

Weight per day on feed while monitored
Current ADG (CurADG) = average daily gain from last feeding period recorded

Cumulative ADG (CumADG) = sum of (adg x headdays) for each feeding period recorded divided by total head days. This is done to allow for traffic into and out of a feeding lot during the feeding period.

Facility

Pen or location **Feeding Lots** are placed. Also, can be a manure storage location. If the scale head data is read directly into the Feedlot Monitor, the Facility is the pen that is indicated on the scale head. If scale head data is used, limit the name of the facility to 6 characters/spaces.

Feed:Gain (F:G)

Pounds of feed (@100% dry matter) used per pound of weight gain

Feeding Lot

Management group used by program. Each Feeding Lot requires a unique name.

Head Days

1 animal monitored for 1 day = 1 head day

63% Standard Yield Adjustment

Pounds of carcass divided by .63 gives a new calculated live weight. With the new live weight the ADG, breakeven and cost of gain are calculated.

Appendix – Troubleshooting

PROBLEM:

*Feeding Periods will not Recalculate

*Can not get a full Closeout Report

SOLUTION:

Make sure cattle entry date of first group entering Feeding Lot is the same date as first day of first feeding period.

1. Go to ANALYSIS REPORTS – MANAGEMENT – FEED – FEEDING PERIOD
2. Select the Feeding Lot that you want to view
3. View the Feeding Period Records and look at first day of first feeding period.
4. Now go to ANALYSIS REPORTS – ACCOUNTING – CATTLE – GROUP DATA
5. Select the Feeding Lot involved and then PRINT ALL.
6. Look at the date that the first group came in on and if it is different than the first day of the first feeding period, choose UPDATE from the menu.
7. On the form that appears, type in the record number of the record that needs to be changed, type in the correct date and then select SAVE from the menu.

PROBLEM:

*No Investors or missing investors on a Feeding Lot

SOLUTION:

Need to Set Up investors first in SET UP – INVESTORS area of program and / or add investors to Feeding Lot when Cattle are added.

1. Go to SET UP – INVESTORS
2. If you do not see the investor listed, choose NEW from menu bar, type in investor contact information and SAVE
3. Go back to MAIN MENU and select ANALYSIS REPORTS – ACCOUNTING – CATTLE – GROUP DATA
4. Select the Feeding Lot involved followed by PRINT ALL from menu.
5. Notice each cattle entry listed, select UPDATE from menu.
6. For each record listed with the transaction of "Add Cattle" >> In the pop up, type in the Record number of first "Add Cattle" record.
7. Provide the correct data and then select the Investor from the drop down Investor List.
8. Indicate the percent of the costs and income this investor needs to have coming his way.

9. Check if the investor has paid for the cattle (already owns) the cattle.
10. Select the small SAVE button.
11. If there is another owner involved with this group, select his name from the Investor List, indicate his percent of ownership and select the small SAVE button (repeat again if there are more investors).
12. After the investors are recorded, select SAVE from the top menu bar on this screen.
13. Referring back to the screen showing the transactions – if there are other groups of cattle that are added to the Feeding Lot, for the steps outlined above (steps 7 through 12) to record the investors involved with these animals.
14. After each group of cattle that has been added to the Feeding Lot has been updated with investor information, go to UPDATE DATA – INVESTORS – BILL CALCULATION.
15. Select the Feeding Lot from the List that the bill needs to be calculated on.
16. Make sure the starting and ending dates are correct.
17. Select CALCULATE from the menu bar.
18. To see results, "click" the investors name in the grid at the bottom of the screen and then select PRINT INVOICE – SCREEN from the menu.
19. Select SAVE from menu when done.