


Ration Summary

All modules

Microsoft Excel - BRANDS.XLS

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2/19/2004

 Iowa Beef Center

Consultant name
Consultant address

producer name
producer phone #
File: sample locn

phone number
email address

Cow Summary Sheet

Inputs					
Feeding period-	1/1/04 3/15/04	Calf birth wt.	moderate		
Mature cow size	medium	Wind exposure	normal		
Breed type	British_lower_milk	Hair condition	clean_dry		
Current condition score	5	Hair coat	heavy_winter		
Desired condition change	+1/4 CS/mo	Temperature	normal		
Production stage	3rd_trimester	Group size	74		

Ration Summary	Feed lb/hd/day	Balance	Head count =	1st calf	2nd calf	mature
1st hay r bales	19.50	Dry matter intake (lb/hd/d)	12	12	50	
corn silage 03	25.00	Estimated DMI		24.2	26.5	28.5
Corn-dry	1.00	Consumption		25.6	27.4	28.9
cow_suppl 2	0.16	Net energy rqmt.		95%	97%	99%
		Metab. protein rqmt.		98%	101%	110%
				121%	112%	122%
		<i>Less degradable protein source could be replaced with more degradable protein sources.</i>				
		add lbs Corn-dry		1.04		
		Vitamin A rqmt.		112%	112%	112%
		Calcium rqmt.		146%	155%	172%
		Phosphorus rqmt.		127%	132%	143%
		Projected performance Daily wt gain above pregnancy				
		30 day BCS change		0.16	0.26	0.45
		Desired ADG		1.04	1.00	0.74
		Ration projected ADG		0.78	1.05	1.34
		Excess protein-NE adj. (Mcd)				
Feed delivered	45.7 lbs.	Feed cost/hd/day		0.51	0.56	0.60
Feed consumed	45.7 lbs.	Feed cost/group/day		6.11	\$6.68	\$29.93
Feed waste		Lbs. - provided vs. required				
		NEm	0.67 Mca/lb	Salt	0.09	0.06
		NEg	0.40 Mca/lb	Calcium	0.13	0.08
		TDN	64.7%	Phosph.	0.07	0.05
		NFC	29.9%	Magnes.	0.06	0.03
		eNDF	39.1%	Potass.	0.44	0.17
		NDF	50.9%	Sulfur	0.05	0.04

Iowa Beef Center --- Cow Module

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Mineral Adequacy Summary

All modules – professional edition

Microsoft Excel - BRANDS.XLS

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Cow Mineral Summary

producer name
producer phone #
File: sample locn

Consultant name
Consultant address
phone number
email address

	Ration dry matter concentration	NRC Requirement per hd /day	Provided by ration	Status
salt	0.32 %	25.8 g	41.5 g	ok
* Ca	0.45 %	34.4 g	59.2 g	ok
* P	0.23 %	20.7 g	29.5 g	ok
Mg	0.21 %	15.5 g	27.3 g	ok
K	1.55 %	77.5 g	200.2 g	ok
s	0.16 %	17.0 g	20.8 g	ok
Na	0.13 %	9.0 g	16.6 g	ok
Cl	0.20 %	12.9 g	25.5 g	ok
open	-	g	g	
Ionophore	-	mg	mg	
Vit. A	1.43 IU/lb	36.17 IU x1000	40.66 IU x1000	ok
Vit. D	0.29 IU/lb	3.56 IU x1000	8.13 IU x1000	ok
Vit. E	11.42 IU/lb	284.88 IU	325.26 IU	ok
open	-	mg	mg	
Se	0.3 ppm	2.6 mg	3.4 mg	ok
Zn	45.4 ppm	516.8 mg	586.7 mg	ok
Cu	13.6 ppm	129.2 mg	176.0 mg	ok
Mn	41.5 ppm	516.8 mg	535.6 mg	ok
Co	0.2 ppm	1.3 mg	2.1 mg	ok
I	0.6 ppm	6.5 mg	7.4 mg	ok
Fe	0.0 ppm	645.9 mg	0.0 mg	low
open	-	ppm	mg	
open	-	ppm	mg	

* user defined requirement

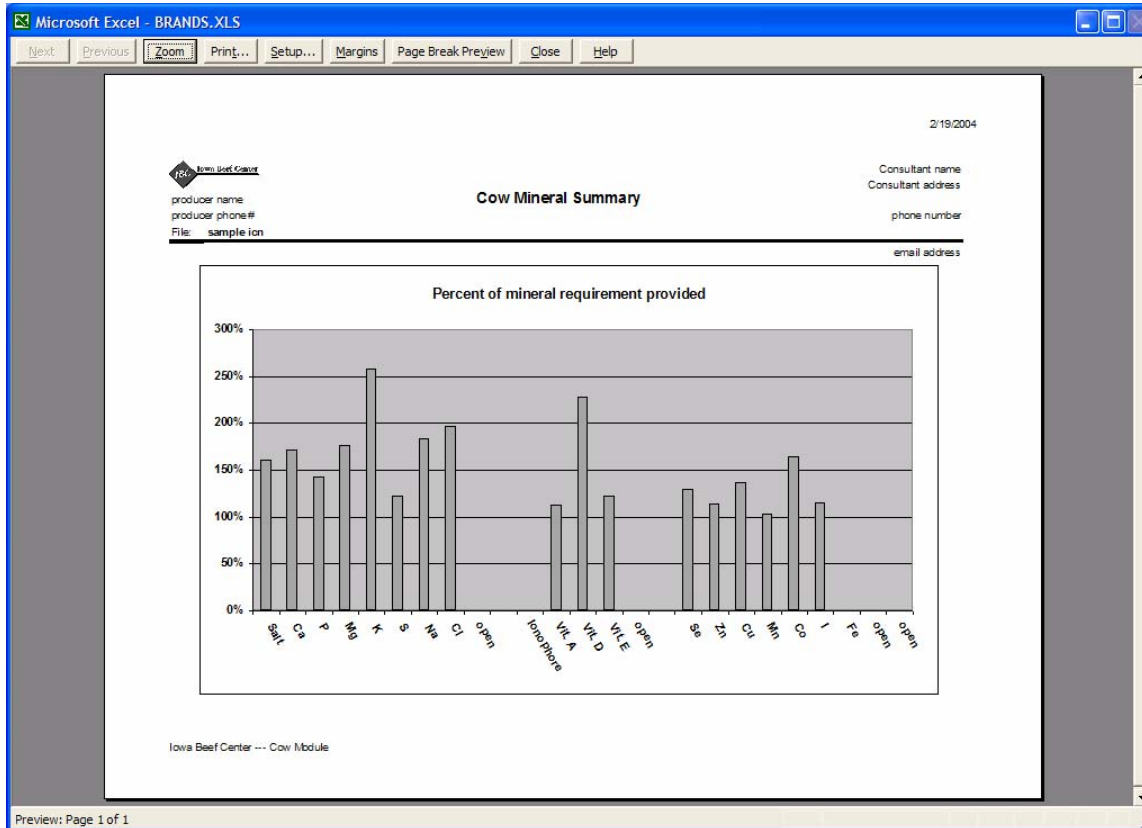
Ratio	Provided	Desired	Ratio	Provided	Desired
Ca:P	2.0	2 - 3	Zn:Mn	1.1	1
Na+K:Ca+Mg	2.5	<2	Zn:Cu	3.3	4
N:S	10.2	10 - 13	Fe:Cu	0.0	20

Iowa Beef Center — Cow Module

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Mineral Adequacy Graph

All modules – professional edition




Ration Adequacy Over Time Summary

Cow module – professional edition

Microsoft Excel - BRANDS.XLS

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 Iowa Beef Center

Consultant name
Consultant address

producer name
producer phone#
File: sample icon

phone number
email address

Cow Ration Adequacy Over Time

1st calf heifer	Current	3rd_lactate	Early_lactation	Mid_lactation
Intake change:	---	80%	109%	108%
Feed intake:	24.2	19.4	26.3	25.7
Net energy rqmt.	98%	88%	84%	89%
Met. protein rqmt	121%	110%	96%	108%
Vitamin A rqmt%	112%	112%	81%	81%
Calcium rqmt%	148%	150%	150%	169%
Phosphorus rqmt%	127%	130%	176%	176%

2nd calf	Current	3rd_lactate	Early_lactation	Mid_lactation
Intake change:	---	80%	110%	107%
Feed intake:	26.5	21.2	29.0	28.3
Net energy rqmt.	101%	93%	85%	91%
Met. protein rqmt	112%	103%	84%	96%
Vitamin A rqmt%	112%	112%	81%	81%
Calcium rqmt%	155%	157%	244%	244%
Phosphorus rqmt%	132%	134%	178%	178%

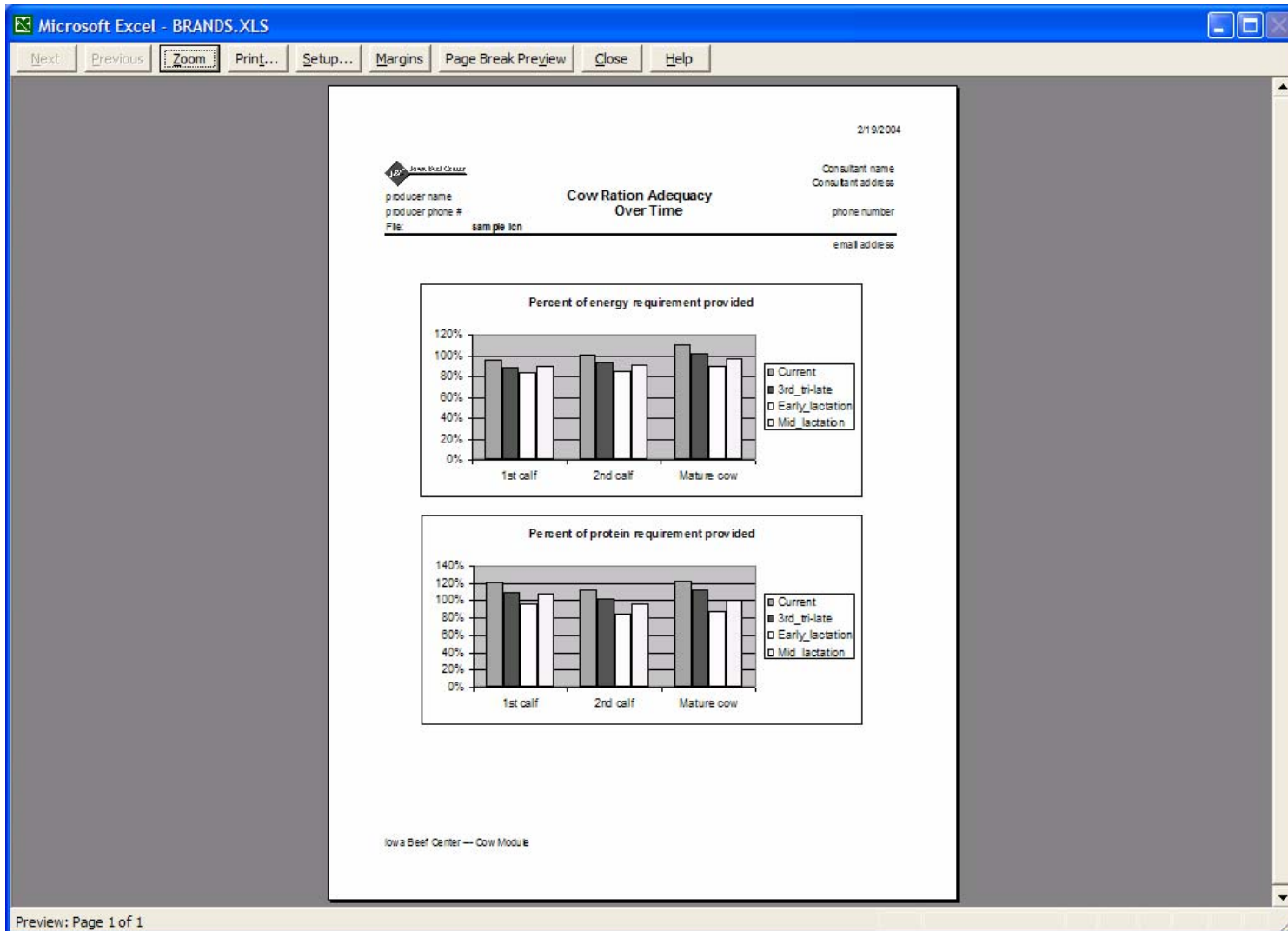
Mature cow	Current	3rd_lactate	Early_lactation	Mid_lactation
Intake change:	---	80%	110%	107%
Feed intake:	28.5	22.8	31.4	30.8
Net energy rqmt.	110%	102%	89%	97%
Met. protein rqmt	122%	112%	88%	101%
Vitamin A rqmt%	112%	112%	81%	81%
Calcium rqmt%	172%	163%	248%	248%
Phosphorus rqmt%	143%	137%	180%	180%

Iowa Beef Center --- Cow Module

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Ration Adequacy Over Time Graph

Cow module – professional edition



BRaNDS Report Outputs


TMR Batch Sheets

All modules

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 Iowa Beef Center
 producer name
 producer phone #
 File: sample icon

Cow Batch Sheet

Consultant name
Consultant address
phone number
email address

Batch size	46 lbs		1100 lbs		1150 lbs	
	Lbs. Added	Scale wt.				
1st hay r bales	19.5	20	489.8	470	491.1	491
corn silage 03	25.0	45	602.3	1072	629.7	1121
Corn- dry	1.0	46	24.1	1096	25.2	1146
cow_suppl 2	0.2	46	3.9	1100	4.0	1150

Batch size	1200 lbs		1250 lbs		1300 lbs	
	Lbs. Added	Scale wt.				
1st hay r bales	512.5	512	533.8	534	555.2	555
corn silage 03	657.0	1170	684.4	1218	711.8	1267
Corn- dry	26.3	1196	27.4	1246	28.5	1295
cow_suppl 2	4.2	1200	4.4	1250	4.6	1300

Iowa Beef Center -- Cow Module

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Feed Analysis Summary

All modules

Microsoft Excel - BRANDS.XLS

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2/19/2004

Cow Feed Analysis

producer name
producer phone #

Consultant name
Consultant address
phone number

File: sample ion 1/1/04 through 3/15/04

Feed	* Lb/unit	* \$/unit	* DM %	* TDN %	* NE m Mcal/lb	* NE g Mcal/lb	* CP %	* DIP % of CP	* NDF %	NFC %	open %	open gr/ton	open ppm	open ppm	ionophore gr/ton
1st hay r bales	1200.0	12.0	86.7	61.7	0.62	0.36	12.14	80	56	22.0					
corn silage 03	2000.0	28.0	42.3	66.4	0.72	0.46	7.42	66	47	39.5					
Corn- dry	2000.0	100.0	85.0	90.0	1.00	0.70	10.00	62	9	74.0					
cow_suppl 2	2000.0	46.0	95.1												

Concentration:	70.2	64.7	0.67	0.40	10.26	7.82	51	29.9							
Intake:	28.5	18.4	18.95	11.44	2.92	2.23	15	8.5							
							Target (if applicable)								200

Items shown as % are provided as % and lbs/hd/day. DM drymatter NE m netenergy- maint. DIP degradable intake prot.
 Items shown as gr/ton are provided as gr/ton and mg/hd/day. TDN total digest nutrients NE g netenergy- growth NDF neutral detergent fiber
 Items shown as ppm are provided as parts per million and mg/hd/day. CP crude protein NFC nonfiber carbohydrate

Iowa Beef Center -- Cow Module

Preview: Page 1 of 1

Feed Analysis Summary

All modules

Microsoft Excel - BRANDS.XLS

2/19/2004

producer name
producer phone #

File: sample icon 1/1/04 through 3/15/04

Consultant name
Consultant address
phone number

Cow Feed Analysis

Feed	Salt %	* Ca %	* P %	Mg %	K %	S %	Vit. A x1000 IU	Vit. D x1000 IU	Vit. E IU	Se ppm	Zn ppm	Cu ppm	Mn ppm	Co ppm	I ppm
1st hay r bales		0.81	0.23	0.22	2.05	0.19									
corn silage 03		0.23	0.22	0.21	0.87	0.11									
Corn- dry		0.02	0.35	0.10	0.35	0.14									
cow_suppl 2	60.10	1.87				0.54	267.1	53.4	2136.7	48.6	8498	2549	7757	30.7	107.3

Avg. concentration:	0.32	0.46	0.23	0.21	1.55	0.16	1.4	0.3	11.4	0.3	46	14	41	0.2	0.6
Intake:	41.50	59.16	29.54	27.33	200.23	20.75	40.7	8.1	325.3	3.4	587	176	536	2.1	7.4
Requirement:	25.84	34.38	20.70	15.50	77.52	16.96	36.2	3.6	264.9	2.6	517	129	517	1.3	6.5
Status:	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

Items shown as % are provided as % and gr/hd/day; Ca calcium
 Items shown as IU are provided as internl units/lb and IU/hd/day; P phosphorus
 Items shown as ppm are provided as parts per million and mg/hd/day; Mg magnesium
 K potassium
 S sulfur
 Se selenium
 Zn zinc
 Cu copper
 Mn manganese
 Co cobalt
 I iodine

Iowa Beef Center --- Cow Module

Preview: Page 1 of 1


Feed Usage Summary

Cow, Heifer & Bull modules – professional edition

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 Iowa Beef Center

Cow Feed Usage Sheet

producer name
producer phone#
File: sample icon

Consultant name
Consultant address
phone number
email address

Feeding period 1/1/04 through 3/15/04 2 % Feed storage shrink
Days in period 75 74 Head
Production phase 3rd_trimester

Feed	Total daily		Total period feed with shrink		Delivery waste**		Inventory	Units	Status	Days on hand
	lbs	cost	units	cost	units	cost				
1st hay r bales	1391.5	\$13.92	88.7	\$1,064.51			100		ok	
corn silage 03	1784.0	\$24.98	68.2	\$1,910.66			100		ok	
Corn- dry	71.4	\$3.57	2.7	\$272.95			1	1.7	short	27
cow_suppl 2	11.4	\$0.26	0.4	\$20.11			1		ok	
Total	3258.3	\$42.72		\$3,268.24						

* Calculate a given usage estimate for each stage of production.
** Feed delivered (fed) to animals but wasted or lost at bunk.

Iowa Beef Center --- Cow Module

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Projection Summary

Feedyard module – professional edition

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2/19/2004

Consultant name
Consultant address
phone number

Feedyard Performance Projection Sheet 1

File	sample	beef	steer	cat	email address			
Inputs	beef	steer	cat					
Wt @ 50% Cho.	1000	Yerage	\$0.20	holiday	Avg. daily gain	0.20	implant	yes
Start Wt. (lb)	800	interest	7 %		Avg. feed/gain	6.55	Optapac	no
Out Wt. (lb)	1451	Costs	\$500.00	hd	Days fed	255	MGA	no
Head count	80	Other	\$22.00	hd	Death loss %	1	Expected sale price	\$52.00

Date	Wt	ADG	DMI	DMI rate	N/g	CP	%Cond.	tonoph	feed \$	Total \$	new int.	Skewn	Station
10/5/03	615	2.94	15.1	1.00	0.50	15.2	61	0.25	0.29	0.35	55.75	grower 1	
10/15/03	639	2.94	15.4	1.00	0.50	15.2	61	0.26	0.29	0.36	54.27	grower 1	
10/25/03	659	2.94	15.5	1.00	0.50	15.2	61	0.26	0.40	0.37	52.55	grower 1	
10/29/03	650	2.94	15.2	1.00	0.50	15.2	61	0.27	0.41	0.37	51.59	grower 1	
11/5/03	700	2.91	15.9	1.00	0.50	15.2	61	0.26	0.42	0.39	50.43	grower 1	
11/12/03	721	2.91	17.2	1.00	0.50	15.2	61	0.29	0.43	0.39	49.26	grower 1	
11/19/03	741	2.91	17.6	1.00	0.50	15.2	61	0.30	0.44	0.40	48.27	grower 1	
11/26/03	761	2.91	18.0	1.00	0.50	15.2	61	0.30	0.44	0.41	47.45	grower 1	
12/3/03	761	2.83	15.7	1.00	0.50	15.2	61	0.32	0.47	0.42	46.62	grower 1	
12/10/03	801	2.83	19.0	1.00	0.50	15.2	61	0.33	0.47	0.44	45.99	grower 1	
12/17/03	822	3.11	19.1	1.00	0.57	12.4	69	0.26	0.41	0.38	44.98	grower 2	
12/24/03	845	3.11	19.5	1.00	0.57	12.4	69	0.29	0.42	0.38	44.10	grower 2	
12/31/03	866	3.11	19.9	1.00	0.57	12.4	69	0.29	0.42	0.39	43.20	grower 2	
1/7/04	857	2.96	20.2	1.00	0.57	12.4	69	0.21	0.45	0.41	42.62	grower 2	
1/14/04	809	3.35	19.5	0.99	0.65	12.5	66	0.26	0.35	0.35	41.92	finisher 1	
1/21/04	822	3.35	19.9	0.99	0.65	12.5	66	0.26	0.35	0.35	41.07	finisher 1	
1/28/04	856	3.35	20.2	0.99	0.65	12.5	66	0.27	0.39	0.36	40.27	finisher 1	
2/4/04	879	3.32	20.7	0.99	0.65	12.5	66	0.26	0.40	0.37	39.53	finisher 1	
2/11/04	1003	3.32	21.1	0.99	0.65	12.5	66	0.26	0.41	0.37	38.66	finisher 1	
2/18/04	1026	3.32	21.4	0.99	0.65	12.5	66	0.29	0.41	0.38	38.22	finisher 1	
2/25/04	1049	3.32	21.8	0.99	0.65	12.5	66	0.29	0.42	0.38	37.83	finisher 1	
3/3/04	1072	3.26	21.7	0.99	0.65	12.5	66	0.30	0.42	0.39	37.06	finisher 1	
3/10/04	1095	3.26	22.1	0.99	0.65	12.5	66	0.30	0.43	0.39	36.57	finisher 1	
3/17/04	1116	3.26	22.4	0.99	0.65	12.5	66	0.31	0.43	0.40	36.09	finisher 1	
3/24/04	1141	3.26	22.8	0.99	0.65	12.5	66	0.31	0.44	0.40	35.64	finisher 1	
3/31/04	1164	3.26	23.1	0.99	0.65	12.5	66	0.32	0.44	0.41	35.22	finisher 1	
4/7/04	1187	3.26	23.5	0.99	0.65	12.5	66	0.31	0.44	0.40	34.80	finisher 1	
4/14/04	1210	3.26	23.8	0.99	0.65	12.5	66	0.32	0.44	0.41	34.41	finisher 1	
4/21/04	1233	3.26	23.7	0.99	0.65	12.5	66	0.32	0.45	0.41	34.04	finisher 1	
4/28/04	1256	3.26	24.0	0.99	0.65	12.5	66	0.32	0.45	0.42	33.70	finisher 1	
5/5/04	1280	3.45	24.2	0.99	0.65	12.5	66	0.31	0.44	0.40	33.32	finisher 1	
5/12/04	1204	3.46	24.7	0.99	0.65	12.5	66	0.32	0.44	0.41	32.97	finisher 1	
5/19/04	1225	3.45	25.0	0.99	0.65	12.5	66	0.32	0.45	0.41	32.64	finisher 1	
5/26/04	1222	3.46	25.4	0.99	0.65	12.5	66	0.32	0.45	0.41	32.32	finisher 1	
6/2/04	1271	3.32	24.8	1.00	0.67	10.4	69	0.29	0.41	0.37	31.92	finisher 2	
6/9/04	1451	3.32	25.6	1.00	0.67	10.4	69	0.30	0.42	0.38	30.55	finisher 2	

How a Beef Center — Feedyard Module

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Projection Summary

Feedyard module – professional edition

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2/19/2004


Consultant name
Consultant address
phone number
email address

Feedyard Performance Projection Sheet 2

File: sample

Dollar Summary

\$ per pound		\$ per head		\$ per lot	
Value in	\$0.83	Value in	\$500.00	Value in	\$40,000.00
Value out	\$0.82	Value out	\$1,189.51	Value out	\$94,209.33
Cost out	\$0.81	Cost out	\$883.18	Cost out	\$70,301.02
Net value	\$0.21	Net value	\$306.33	Net value	\$23,908.31
\$ per pound gain					
Feed	\$0.30	Feed	\$251.28	Feed	\$20,002.07
Interest	\$0.04	Interest	\$30.10	Interest	\$2,395.66
Yardage+	\$0.12	Yardage+	\$101.80	Yardage+	\$8,103.28
Total	\$0.45	Total	\$383.18	Total	\$30,501.02
				Breakeven \$/cwt	\$60.88

Feed Summary

Feed	lb/unit	Units fed	Cost	\$/unit
Grass Leg 2nd	45.0	1335.1		
Com Silage	2000.0	98.0		
Distiller grain	2000.0	23.5		
HM corn	2000.0	177.0		
Urea	50.0	38.9		

Iowa Beef Center — Feedyard Module

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Remaining Requirement Summary

All modules – professional edition

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2/20/2004

Lowa Beef Center Consultant name

producer name **Heifer Supplement** address

phone number phone number

File: **sample 1** email address

Develop a supplement to provide the following per head per day

Nutrient			
NE maintenance	Mcal		* Calculations based on middle column.
Crude protein	pounds		
Degradable protein % of CP			
Salt	grams	28.9	
Calcium	grams		
Phosphorus	grams		
Magnesium	grams		
Potassium	grams		
Sulfur	grams		
Selenium	milligrams	1.8	--
Zinc	milligrams	359.2	--
Copper	milligrams	89.8	--
Manganese	milligrams	359.2	--
Cobalt	milligrams	0.9	--
Iodine	milligrams	4.5	--
Iron	milligrams	449.1	--
Vitamin A	IU x 1000	25.15	
Vitamin D	IU x 1000	2.48	
Vitamin E	IU	184	
optional & user defined		type in amount desired	notes
open	Grams		
Ionophore	milligrams		
open	milligrams		
open	milligrams		
open	milligrams		
%Conc.			

-- Note that values or amounts are calculated automatically based on a analysis provided on feeds in feed library. If no value is provided, a shortage will appear. Cross out items which are adequate naturally, but not analyzed.

Low a Beef Center -- Heifer Module

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BRaND S Report Outputs


Custom Batch Mix Summary

All modules – professional edition

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2/20/2004


Custom Mix Batch Sheet

Consultant name
address
phone number

File: helfer_suppl1

Ingredient	Percent	2000		Cumulative
		Ton	Lb. Batch	
CaSulfate	50.72%	1014.4	1014.4	1014.4
Dical-phos	1.81%	36.2	36.2	1050.6
Cobalt carbonat	0.00%	0.1	0.1	1050.7
Copper sulfate	0.22%	4.3	4.3	1055.1
EDDI	0.00%	0.1	0.1	1055.1
Mn carbonate	0.29%	5.8	5.8	1060.9
Zn sulfate	0.58%	11.6	11.6	1072.5
Salt	25.38%	507.2	507.2	1579.7
Se-E suppl	5.43%	108.7	108.7	1688.4
Rumensin80	1.09%	21.7	21.7	1710.2
vit pak	7.25%	144.9	144.9	1855.1
Mineral oil	3.62%	72.5	72.5	1927.5
Flavor	3.62%	72.5	72.5	2000.0

2,000		2,000			
DM	95.0 %	Magnes.	0.01 %	open	g/ton
TDN	%	Potass.	0.00 %	Selenium	14.41 ppm
NE m	Mcal	Sulfur	1.40 %	Zinc	2108 ppm
NE g	Mcal	Sodium	10.02 %	Copper	563 ppm
CP	%	Chlorine	15.35 %	Mangan.	2246 ppm
DIP	%	open	%	Cobalt	16.67 ppm
NDF	%	Ionophore	1739.67 g/ton	Iodine	29.12 ppm
Salt	25.37 %	Vit. A	19.00 iu	Iron	0.02 ppm
Calcium	17.31 %	Vit. D	3.80 iu	open	ppm
Phosph.	0.30 %	Vit. E	122 iu	open	ppm

Iowa Beef Center -- Custom Mix Module

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