

**BEEF SIM****Beef Selection Index Module EPD Data Updates from Breed Associations**

Use these data to update your breed EPD files in the Iowa Beef Center Beef SIM program data base.

- Directions:
1. On your Beef SIM program, open Program page and select the breed from the breed list.
  2. Select whether the proof that you are working with is for young sires or proven sires.
  3. Select the "Update" button.
  4. From this sheet, note the average and standard deviation values for each EPD measured.
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	<b>Black Angus nonparent</b>		<b>Black Angus parent</b>		<b>Brangus nonparent</b>		<b>Brangus parent</b>	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED								
BW	2.60	2.15	2.60	2.15	2.00	1.60	2.20	1.60
WW	36.00	16.82	36.00	16.82	21.30	9.90	22.00	9.90
Milk	18.00	8.46	18.00	8.46	9.10	5.50	8.30	5.50
TMW								
YW	67.00	30.40	66.00	30.40		15.40		15.40
YH	0.50	0.41	0.50	0.41				
CEM								
HPG								
SC	0.25	0.42	0.23	0.42	0.56	0.35	0.50	0.35
Stay								
Doc								
CW			4.00	9.00				
Marb			0.11	0.12			0.01	0.08
REA			0.12	0.19			0.24	0.02
Fat			0.001	0.014			0.000	0.210
%RP			0.07	0.23				
Umarb	0.06	0.12	0.02	0.12	0.01	0.08		
UREA	0.11	0.19	0.08	0.19	0.26	0.02		
Ufat	0.003	0.014	0.002	0.014	0.001	0.200		
U%RP	0.04	0.23	0.01	0.23				

	<b>Charolais nonparent</b>		<b>Charolais parent</b>		<b>Gelbvieh nonparent</b>		<b>Gelbvieh parent</b>	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED					10.40	6.20	10.30	6.20
BW	1.47	2.30	1.40	2.44	1.20	2.42	1.90	2.42
WW	18.65	8.73	19.65	10.39	37.00	8.64	39.00	8.64
Milk	5.59	4.81	6.08	6.20	17.00	3.89	19.00	3.89
TMW	14.94	6.60	15.93	8.04	36.00	7.00	39.00	7.00
YW	32.78	14.92	34.37	17.80	68.00	13.63	69.00	13.63
YH								
CEM					103.00	4.40	104.00	4.40
HPG								
SC	0.45	0.27	0.46	0.34	0.30	0.36	0.40	0.36
Stay					4.00		4.00	
Doc								
CW	0.17	7.17	3.28	8.86	1.03	6.79	1.00	6.79
Marb	0.01	0.09	0.00	0.12	0.02	0.05	0.02	0.05
REA	0.04	0.17	0.09	0.21	0.07	0.12	0.07	0.12
Fat	0.000	0.010	0.000	0.020	0.000	0.010	0.000	0.010
%RP								
Umarb								
UREA								
Ufat								
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	<b>Hereford nonparent</b>		<b>Hereford parent</b>		<b>Limousin nonparent</b>		<b>Limousin parent</b>	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED	-0.50	2.79	-0.40	6.85	5.30	3.60	4.70	4.10
BW	3.80	2.38	3.90	2.97	2.30	1.70	2.60	1.90
WW	36.00	12.41	37.00	14.97	34.20	7.90	34.60	9.00
Milk	13.00	6.92	14.00	9.59	18.00	4.90	17.20	5.50
TMW	31.00	13	32.00	13				
YW	61.00	21.6	62.00	25.89	64.10	11.90	64.90	13.90
YH								
CEM	0.40	2	0.40	4.84	3.40	2.60	3.20	3.40
HPG		0.58		0.69				
SC	0.60	0.4	0.60	0.4	0.20	0.30	0.20	0.40
Stay					15.70	3.40	15.50	3.90
Doc					12.10	8.20	11.80	8.90
CW					14.80	11.10	13.30	12.20
Marb					0.00	0.05	-0.01	0.05
REA					0.11	0.18	0.09	0.21
Fat					0.010	0.020	0.010	0.020
%RP								
Umarb	0.00	0.064	0.00	0.125				
UREA	0.06	0.099	0.05	0.212				
Ufat	0.000	0.010	0.000	0.010				
U%RP	0.00	0.23	0.00	0.23				

	<b>Maine Anjou nonparent</b>		<b>Maine Anjou parent</b>		<b>Red Angus nonparent</b>		<b>Red Angus parent</b>	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED					4.00	1.73	3.00	4.80
BW	2.52	3.00	3.94	3.00	0.40	0.77	0.60	2.81
WW	16.46	16.30	17.85	16.30	29.00	5.48	30.00	10.20
Milk	3.60	11.90	4.03	11.90	16.00	4.00	16.00	6.32
TMW	11.83	12.10	12.96	12.10	30.00	5.57	31.00	8.25
YW	32.05	25.70	35.95	25.70	52.00	7.28	53.00	17.20
YH								
CEM					4.00	1.73	3.00	4.80
HPG							8.00	3.87
SC								
Stay					10.00	0.00	10.00	3.46
Doc								
CW	-4.36	24.30	-0.19	24.30				
Marb	0.04	0.26	0.00	0.26	0.04	0.10	0.04	0.14
REA	-0.03	0.43	0.01	0.43	-0.03	0.14	-0.04	0.17
Fat	0.000	0.040	0.000	0.040	0.000	0.000	-0.010	0.000
%RP	0.00	0.45	0.00	0.45				
Umarb								
UREA								
Ufat								
U%RP								

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	Salers nonparent		Salers parent		Shorthorn nonparent		Shorthorn parent	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED								
BW					1.80	1.40	1.60	2.20
WW					13.00	7.10	16.60	11.50
Milk					2.30	3.90	3.10	6.10
TMW								
YW					20.40	11.10	26.10	17.10
YH								
CEM								
HPG								
SC								
Stay								
Doc								
CW							-3.10	9.61
Marb							-0.03	0.12
REA							-0.04	0.15
Fat							0.000	0.020
%RP							0.01	0.30
Umarb								
UREA								
Ufat								
U%RP								

	Simbrah nonparent		Simbrah parent		Simmental nonparent		Simmental parent	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
CED					5.80	7.80	5.60	7.80
BW	4.00	3.00	4.20	3.00	1.90	3.00	2.60	3.00
WW	25.30	16.30	23.40	16.30	33.60	16.30	33.90	16.30
Milk	3.00	11.90	3.30	11.90	5.60	11.90	5.70	11.90
TMW	15.60	12.10	15.10	12.10	22.40	12.10	22.70	12.10
YW	37.30	25.70	34.00	25.70	57.80	25.70	56.60	25.70
YH								
CEM					2.40	7.90	2.30	7.90
HPG								
SC								
Stay								
Doc								
CW	-8.60	24.30	-6.40	24.30	0.20	24.30	-0.80	24.30
Marb	-0.10	0.26	-0.01	0.26	0.08	0.26	0.05	0.26
REA	-0.19	0.43	-0.19	0.43	0.06	0.43	-0.02	0.43
Fat	0.000	0.040	0.010	0.040	0.010	0.040	0.000	0.040
%RP	-0.07	0.45	-0.14	0.45	0.01	0.45	-0.01	0.45
Umarb								
UREA								
Ufat								
U%RP								

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	<b>Sim.Halfblood nonparent</b>		<b>Sim.Halfblood parent</b>		<b>Simm.Hybrid nonparent</b>		<b>Simm.Hybrid parent</b>	
	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.	Avg.	St.D.
<b>CED</b>								
<b>BW</b>	0.00	3.00	3.94	3.00	-0.60	3.00	3.94	3.00
<b>WW</b>	19.00	16.30	17.85	16.30	19.30	16.30	17.85	16.30
<b>Milk</b>	4.90	11.90	4.03	11.90	5.20	11.90	4.03	11.90
<b>TMW</b>	14.40	12.10	12.96	12.10	14.90	12.10	12.96	12.10
<b>YW</b>	36.40	25.70	35.95	25.70	38.90	25.70	35.95	25.70
<b>YH</b>								
<b>CEM</b>								
<b>HPG</b>								
<b>SC</b>								
<b>Stay</b>								
<b>Doc</b>								
<b>CW</b>	-4.20	24.30	-0.19	24.30	-4.80	24.30	-0.19	24.30
<b>Marb</b>	-19.00	0.26	0.00	0.26	0.21	0.26	0.00	0.26
<b>REA</b>	-0.14	0.43	0.01	0.43	-0.15	0.43	0.01	0.43
<b>Fat</b>	0.030	0.040	0.000	0.040	0.040	0.040	0.000	0.040
<b>%RP</b>	-0.25	0.45	0.00	0.45	-0.28	0.45	0.00	0.45
<b>Umarb</b>								
<b>UREA</b>								
<b>Ufat</b>								
<b>U%RP</b>								