FY 2015-16 TAEP Cattle Genetics Program - *Beef EPD Requirements by Breed* - 3 Options

• ***$1,600 maximum cost-share reimbursement for bulls with eligible Genomic Enhanced EPDs.***   • *NEW*

Breed association must verify Genomic Enhanced EPD status prior to reimbursement request.

Bulls with Genomic Enhanced EPDs and performance information typically have 0.30 or greater accuracy for CE or BW.

Seedstock producers are encouraged to work with breed association to submit performance information on bulls and also to utilize appropriate DNA tests.

• ***$1,200 maximum cost-share reimbursement for bulls with eligible standard EPDs.***

To Qualify: A bull must meet or exceed EPD requirements in **EACH** *EPD category* for **1 of the following 3** *bull types* .

The 3 *bull types* are: **Balanced, Terminal or Calving Ease bulls.**
Each *bull type* (Balanced, Terminal or Calving Ease*)* has different EPD requirements.

• ***Minimum 0.15 accuracy for CE or BW must be met or exceeded for Calving Ease bull type.***

The 3 *EPD categories* are: **Calving Ease, Growth and Maternal.**
Balanced and Calving Ease bulls must meet 3 of 3 *EPD categories* .
Terminal bulls must meet 2 of 2 *EPD categories* (Terminal bulls do not have a maternal requirement).

EPD values must be current as of June 1, 2015. EPDs must be generated and printed from the most prominent association of members for each eligible beef breed. Eligible beef breeds for the TAEP Genetics program must have a national breed performance testing program that participates in a National Cattle Evaluation Program recognized by the Beef Improvement Federation.

All bulls must have individual EPDs assigned by their breed association at time of sale catalog printing.

Please visit with your seedstock supplier or UT Extension agent about EPDs, Accuracies and Genomic Enhanced EPDs.

BALANCED Bulls *(1st bull type option)*	Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal								
	1.) CALVING EASE +			**2.) GROWTH +**			**3.) MATERNAL**		
	Minimum		Maximum	Minimum		Minimum	Minimum		Maximum
Breed	**CE**	**or**	**BW**	**WW**	**or**	**YW**	**MILK**		**MILK**
Angus	3	or	2.9	46	or	77	14	to	34
Beefmaster			0.2	4	or	6	-1	to	9
Brahman			1.4	11	or	18	1	to	11
Brangus & Ultrablack	4	or	1.5	20	or	34	6	to	18
Braunvieh	5	or	3.0	42	or	64	27	to	45
Charolais	4	or	0.2	19	or	31	2	to	21
Chianina & Chiangus	7	or	2.0	41	or	57	14	to	31
Gelbvieh	8	or	2.5	65	or	87	21	to	42
Gelbvieh Balancer	10	or	1.2	62	or	90	17	to	39
Hereford	0.4	or	3.7	45	or	71	15	to	34

Breed	CE	or	BW	WW	or	YW	MILK min	to	MILK max
Black Hereford			3.3	30	or	50	13	to	18
Limousin	6	or	2.2	61	or	84	21	to	37
Lim-Flex	9	or	1.3	62	or	93	21	to	36
Maine Anjou	9	or	1.0	43	or	56	13	to	27
MaineTainer	8	or	1.2	42	or	55	12	to	23
Red Angus	3	or	0.1	51	or	77	13	to	30
Salers	-0.3	or	2.5	28	or	53	10	to	29
Santa Gertrudis			-0.4	-4	or	-5	-3	to	9
Shorthorn/ShorthornPlus	5	or	2.0	43	or	42	15	to	29
Simmental	8	or	2.1	59	or	82	14	to	33
SimGenetics	9	or	1.4	56	or	81	15	to	33
South Devon			2.9	28	or	55	12	to	33

TERMINAL Bulls

(2nd bull type option)

Must meet or exceed EPD requirements for: Calving ease **and** Growth

Breed	1.) CALVING EASE +			2.) GROWTH +			3.) MATERNAL	
	Minimum		Maximum	Minimum		Minimum	Minimum	Maximum
	CE	or	BW	WW	or	YW		
Angus	0	or	4.7	53	or	92	N/A	
Beefmaster			1.6	12	or	17	N/A	
Brahman			3.1	20	or	32	N/A	
Brangus & Ultrablack	2	or	3.1	28	or	54	N/A	
Braunvieh	2	or	5.3	47	or	73	N/A	
Charolais	-2	or	2.9	27	or	48	N/A	
Chianina & Chiangus	3	or	4.0	51	or	75	N/A	
Gelbvieh	6	or	3.9	74	or	102	N/A	
Gelbvieh Balancer	7	or	2.7	70	or	106	N/A	
Hereford	-1.5	or	5.5	51	or	83	N/A	
Black Hereford			4.7	35	or	57	N/A	
Limousin	3	or	3.9	68	or	98	N/A	
Lim-Flex	6	or	2.8	69	or	106	N/A	
Maine Anjou	5	or	3.6	50	or	68	N/A	
MaineTainer	3	or	3.7	49	or	67	N/A	
Red Angus	0	or	2.2	61	or	96	N/A	
Salers	-1.1	or	3.9	36	or	69	N/A	
Santa Gertrudis			1.1	0.9	or	1.2	N/A	
Shorthorn/ShorthornPlus	0	or	5.1	52	or	59	N/A	
Simmental	4	or	4.3	67	or	98	N/A	
SimGenetics	5	or	3.4	65	or	100	N/A	
South Devon			5.0	38	or	72	N/A	

CALVING EASE Bulls

(3rd bull type option)

NEW • CE or BW must meet or exceed minimum <u>0.15</u> Accuracy for Calving Ease bull type •

Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal

Breed	1.) CALVING EASE +			2.) GROWTH +			3.) MATERNAL		
	Minimum		Maximum	Minimum		Minimum	Minimum		Maximum
	CE (Acc.)	or	BW (Acc.)	WW	or	YW	MILK		MILK
Angus	7 (.15)	or	1.4 (.15)	42	or	74	14	to	34
Beefmaster			-1.8 (.15)	3	or	5	-1	to	9
Brahman			-0.8 (.15)	10	or	16	1	to	11

Breed								
Brangus & Ultrablack	7 (.15)	or	-0.5 (.15)	17	or	31	6	to	18
Braunvieh	9 (.15)	or	0.2 (.15)	39	or	59	27	to	45
Charolais	10 (.15)	or	-2.9 (.15)	17	or	28	2	to	21
Chianina & Chiangus	12 (.15)	or	-0.9 (.15)	39	or	54	14	to	31
Gelbvieh	12 (.15)	or	0.1 (.15)	62	or	84	21	to	42
Gelbvieh Balancer	13 (.15)	or	-0.7 (.15)	59	or	88	17	to	39
Hereford	4.2 (.15)	or	1.8 (.15)	41	or	67	15	to	34
Black Hereford			2.0 (.15)	28	or	48	13	to	18
Limousin	11 (.15)	or	-0.5 (.15)	57	or	79	21	to	37
Lim-Flex	12 (.15)	or	-0.4 (.15)	59	or	88	21	to	36
Maine Anjou	13 (.15)	or	-0.9 (.15)	41	or	52	13	to	27
MaineTainer	11 (.15)	or	-0.3 (.15)	40	or	52	12	to	23
Red Angus	7 (.15)	or	-1.8 (.15)	48	or	74	13	to	30
Salers	0.6 (.15)	or	1.0 (.15)	25	or	51	10	to	29
Santa Gertrudis			-1.6 (.15)	-5	or	-7	-3	to	9
Shorthorn/ShorthornPlus	9 (.15)	or	-0.6 (.15)	40	or	39	15	to	29
Simmental	13 (.15)	or	0 (.15)	54	or	77	14	to	33
SimGenetics	13 (.15)	or	-0.9 (.15)	51	or	75	15	to	33
South Devon			0.5 (.15)	24	or	52	12	to	33

Contact TAEP about other breeds: **Blonde d'Aquitaine, Murray Grey, Pinzgauer, Senepol**
1-800-342-8206 - Phone **and Tarentaise.**
livestock.genetics@tn.gov

Example: **Does this Angus bull qualify? CE = 8 / BW = 3.1 / WW = 43 / YW = 73 / Milk = 34**
As which bull type?

BALANCED Bull Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal

Calving Ease (CE) acceptable greater than 3
Birth Weight (BW) unacceptable greater than 2.9

Calving ease category: **acceptable** meets CE requirement

Weaning Weight (WW) unacceptable lower than 46
Yearling Weight (YW) unacceptable lower than 77

Growth category: **unacceptable** meets *neither* WW or YW requirements

Milk acceptable falls between 14-34

Maternal category: **acceptable** meets Milk requirement (34 is max.)

This bull does not qualify as a "Balanced" bull: Growth category is unacceptable

TERMINAL Bull Must meet or exceed EPD requirements for: Calving ease **and** Growth only

Calving Ease (CE)	acceptable	greater than 0
Birth Weight (BW)	acceptable	lower than 4.7

| Calving ease category: | **acceptable** | meets *both* CE and BW requirements |

Weaning Weight (WW)	unacceptable	lower than 53
Yearling Weight (YW)	unacceptable	lower than 92

| Growth category: | **unacceptable** | meets *neither* WW or YW requirements |

| **Milk** | | *not required for Terminal bulls* |

| Maternal category: | | *not a required category for Terminal bulls* |

This bull does <u>not</u> qualify as a "Terminal" bull: <u>Growth category is unacceptable</u>

<u>CALVING EASE Bull</u>   Must meet or exceed EPD requirements for: Calving ease *and* Growth *and* Maternal

Calving Ease (CE)	acceptable	greater than 7
Birth Weight (BW)	unacceptable	greater than 1.4

| Calving ease category: | **acceptable** | meets CE requirement |

Weaning Weight (WW)	acceptable	greater than 42
Yearling Weight (YW)	unacceptable	lower than 74

| Growth category: | **acceptable** | meets WW requirement |

| **Milk** | acceptable | falls between 14-34 |

| Maternal category: | **acceptable** | meets Milk requirement (34 is max.) |

If this bull has a <u>0.15 or higher</u> Accuracy for CE:
This bull <u>does qualify</u> as a "Calving Ease" bull: <u>All 3 categories are acceptable</u>

If this bull's <u>eligible EPDs</u> are <u>Genomic Enhanced</u>:
This bull would be <u>reimbursed up to</u> a maximum of <u>$1,600</u>.

If this bull has a 0.05 Accuracy for CE:
This bull <u>does NOT qualify</u> as a "Calving Ease" bull.

FY 2015/2016 TAEP Cattle Genetics Program - Minimum Dairy LNM or Index Requirements by Breed

<u>To Qualify:</u> A bull must meet or exceed the requirements in **1 of the 2** categories.

BREED	LNM	or	Index	Value
HOLSTEIN	308	or	TPI	1719
Red & White	308	or	TPI	1719

AYRSHIRE	223	or	PTI	83
GUERNSEY	102	or	PTI	78
JERSEY	217	or	JPI	82
MILKING SHORTHORN	50			