FY2018-19 TAEP – Beef EPD & Accuracy Requirements by Breed

EPDs have changed for this application period and must be current as of October 1, 2018.

REQUIREMENTS – BULLS

1. **Test negative for BVD-PI** (test results required) – see veterinarian with BSE & 840 EID
2. **840 EID** – "840" are the first three digits (numeric code for "USA" – see vet at time of BSE and PI testing)
3. **BSE** – must be performed by a licensed veterinarian within 90 days of purchase or reimbursement
4. **EPD and Accuracy requirements** – read below
5. **Receipt** – must have the following information:
    - seller name, address, and phone
    - bull ID, price, sale date, and buyer name

Seedstock breeders are encouraged to print current bull pedigree once true NCE EPDs or Genomic Enhanced EPDs are posted on the breed association website and keep a copy for buyers.

Producers are encouraged to purchase registered bulls from reputable seedstock breeders who provide buyers with complete reimbursement documentation *at time of purchase* including bull type, receipt, 840 EID, BSE, negative BVD-PI test results and pedigree with current EPDs, accuracies, genomic status and performance data.

Eligible beef breeds for the TAEP Genetics program must have a national breed performance testing program that participates in a National Cattle Evaluation (NCE) program recognized by the Beef Improvement Federation. Genomic Enhanced or True NCE EPDs must be calculated and printed from the most prominent breed association.

EPD REQUIREMENTS

A bull must meet or exceed EPD requirements in **each** EPD category (Calving Ease, Growth, and Maternal) for one of the following three bull types (Balanced, Calving Ease, or Terminal).

BULL TYPES

Balanced	must meet 3 of 3 EPD categories (Calving Ease, Growth, and Maternal)
Calving Ease	must meet 3 of 3 EPD categories (Calving Ease, Growth, and Maternal)
Terminal	must meet 2 of 2 EPD categories (Calving Ease and Growth). *Maternal is not a requirement*

All bull types must have true NCE EPDs with minimum 0.15 accuracy for the Calving Ease (CE or BW) and Growth (WW or YW) categories. Interim EPDs, pedigree estimates, pedigree index (ex. I, I+, P, P+ or 0.05 Accuracy), or parental averages are not eligible for reimbursement.
TAEP EPD and Accuracy Requirements for Balanced, Calving Ease & Terminal bulls are listed on the following pages.

$1,200 Max Reimbursement – Bulls with eligible true NCE EPDs with a minimum 0.15 accuracy for Calving Ease and Growth categories for 1 of the 3 eligible bull types

- Bulls must have true NCE EPDs with a minimum 0.15 accuracy **prior to purchase** to be eligible for a cost share reimbursement up to the $1,200 max.
- Pedigree must be submitted with reimbursement request and include EPDs, accuracies, and have a **printed date between October 1, 2018 and the date of purchase**.

$1,600 Max Reimbursement – Bulls with eligible Genomic Enhanced EPDs for 1 of the 3 eligible bull types
- Genomic Enhanced EPD verification must be complete on pedigree **prior to purchase** to be eligible for a cost share reimbursement up to the $1,600 max.
- Pedigree must be submitted with reimbursement request and include EPDs, accuracies, genomic verification, and have a **printed date between October 1, 2018 and the date of purchase**.

Payment may be denied if individual bulls do not have true NCE EPDs with a minimum 0.15 accuracy calculated by their breed association at time of sale catalog printing (or sale date for private treaty sales).

BALANCED BULLS

TAEP Balanced bull type sires work well in small herds where producers expect one bull to sire optimal performance (more growth than Calving Ease bulls) when bred to 20 mature cows while maintaining adequate calving ease when bred to 3-5 heifers.

CALVING EASE BULLS

TAEP Calving Ease bull type sires are utilized to improve calving ease for breeding 10-20 heifers while maintaining acceptable growth and maternal traits.

TERMINAL BULLS

TAEP Terminal bull type sires can be utilized by producers desiring to maximize performance (more growth than either Balanced or Calving Ease bulls) when bred to mature cows.
Not recommended to breed to heifers.

QUESTIONS

TAEP Hotline: 800-342-8206

Genetics Coordinator: Ryan Betzelberger

Phone: 615-837-5382

Email: livestock.genetics@tn.gov

ANGUS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	5	(0.15)	or	2.8	(0.15)	48	(0.15)	or	75	(0.15)	15	to	37
Calving Ease	9	(0.15)	or	1.4	(0.15)	42	(0.15)	or	73	(0.15)	15	to	37
Terminal	0	(0.15)	or	4.7	(0.15)	55	(0.15)	or	94	(0.15)			

AKAUSHI	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	3	(0.15)	or	-0.4	(0.15)	22	(0.15)	or	43	(0.15)	26	to	36
Calving Ease	9	(0.15)	or	-1.5	(0.15)	21	(0.15)	or	40	(0.15)	26	to	36
Terminal	1	(0.15)	or	3.1	(0.15)	26	(0.15)	or	47	(0.15)			

BEEFMASTER	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	2	(0.15)	or	0.6	(0.15)	17	(0.15)	or	33	(0.15)	7	to	14
Calving Ease	5	(0.15)	or	-1.3	(0.15)	15	(0.15)	or	31	(0.15)	7	to	14
Terminal	0	(0.15)	or	2.0	(0.15)	25	(0.15)	or	45	(0.15)			

BRAHMAN	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced				1.3	(0.15)	12	(0.15)	or	20	(0.15)	1	to	11
Calving Ease				-1	(0.15)	10	(0.15)	or	18	(0.15)	1	to	11
Terminal				2.9	(0.15)	19	(0.15)	or	31	(0.15)			

BRANGUS (BLACK)	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	4	(0.15)	or	1.5	(0.15)	21	(0.15)	or	37	(0.15)	5	to	18
Calving Ease	6	(0.15)	or	0	(0.15)	18	(0.15)	or	34	(0.15)	5	to	18
Terminal	2	(0.15)	or	3.0	(0.15)	28	(0.15)	or	55	(0.15)			

RED BRANGUS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			**Maximum**		**Minimum**			**Minimum**		**Minimum**		**Maximum**
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	4	(0.15)	**or**	1.6	(0.15)	15	(0.15)	**or**	19	(0.15)	5	**to**	15
Calving Ease	6	(0.15)	**or**	0.5	(0.15)	13	(0.15)	**or**	18	(0.15)	5	**to**	15
Terminal	2	(0.15)	**or**	2.6	(0.15)	20	(0.15)	**or**	30	(0.15)			

ULTRABLACK	CALVING EASE					GROWTH					MATERNAL		
	Minimum			**Maximum**		**Minimum**			**Minimum**		**Minimum**		**Maximum**
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	4	(0.15)	**or**	1.6	(0.15)	26	(0.15)	**or**	50	(0.15)	5	**to**	18
Calving Ease	6	(0.15)	**or**	0.1	(0.15)	23	(0.15)	**or**	46	(0.15)	5	**to**	18
Terminal	2	(0.15)	**or**	3.0	(0.15)	35	(0.15)	**or**	71	(0.15)			

BRAUNVIEH	CALVING EASE					GROWTH					MATERNAL		
	Minimum			**Maximum**		**Minimum**			**Minimum**		**Minimum**		**Maximum**
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	5	(0.15)	**or**	3.1	(0.15)	41	(0.15)	**or**	61	(0.15)	26	**to**	48
Calving Ease	9	(0.15)	**or**	0.7	(0.15)	38	(0.15)	**or**	58	(0.15)	26	**to**	48
Terminal	3	(0.15)	**or**	5.0	(0.15)	46	(0.15)	**or**	72	(0.15)			

CHAROLAIS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			**Maximum**		**Minimum**			**Minimum**		**Minimum**		**Maximum**
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	6	(0.15)	**or**	0.4	(0.15)	23	(0.15)	**or**	38	(0.15)	3	**to**	22
Calving Ease	11	(0.15)	**or**	-2.0	(0.15)	21	(0.15)	**or**	36	(0.15)	3	**to**	22
Terminal	0	(0.15)	**or**	2.6	(0.15)	31	(0.15)	**or**	55	(0.15)			

CHIANINA/ CHIANGUS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			**Maximum**		**Minimum**			**Minimum**		**Minimum**		**Maximum**
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	7	(0.15)	**or**	2.2	(0.15)	42	(0.15)	**or**	61	(0.15)	11	**to**	26
Calving Ease	12	(0.15)	**or**	0.7	(0.15)	41	(0.15)	**or**	60	(0.15)	11	**to**	26
Terminal	4	(0.15)	**or**	3.3	(0.15)	48	(0.15)	**or**	71	(0.15)			

GELBVIEH	CALVING EASE				GROWTH				MATERNAL		
	Minimum		Maximum		Minimum		Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	YW	(Acc.)		Milk	
Balanced	11	(0.15)	**or** 1.7	(0.15)	60	(0.15)	**or** 81	(0.15)	19	**to**	33
Calving Ease	15	(0.15)	**or** 0	(0.15)	57	(0.15)	**or** 80	(0.15)	19	**to**	33
Terminal	8	(0.15)	**or** 3.0	(0.15)	66	(0.15)	**or** 95	(0.15)			

BALANCER	CALVING EASE				GROWTH				MATERNAL		
	Minimum		Maximum		Minimum		Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	YW	(Acc.)		Milk	
Balanced	12	(0.15)	**or** 1.2	(0.15)	60	(0.15)	**or** 86	(0.15)	17	**to**	32
Calving Ease	14	(0.15)	**or** -0.4	(0.15)	58	(0.15)	**or** 84	(0.15)	17	**to**	32
Terminal	9	(0.15)	**or** 2.3	(0.15)	67	(0.15)	**or** 101	(0.15)			

HEREFORD	CALVING EASE				GROWTH				MATERNAL		
	Minimum		Maximum		Minimum		Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	YW	(Acc.)		Milk	
Balanced	0	(0.15)	**or** 3.8	(0.15)	48	(0.15)	**or** 74	(0.15)	19	**to**	37
Calving Ease	7	(0.15)	**or** 2.0	(0.15)	45	(0.15)	**or** 70	(0.15)	19	**to**	37
Terminal	-4	(0.15)	**or** 5.3	(0.15)	54	(0.15)	**or** 87	(0.15)			

BLACK HEREFORD	CALVING EASE				GROWTH				MATERNAL		
	Minimum		Maximum		Minimum		Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	YW	(Acc.)		Milk	
Balanced			3.1	(0.15)	42	(0.15)	**or** 70	(0.15)	20	**to**	27
Calving Ease			1.6	(0.15)	40	(0.15)	**or** 67	(0.15)	20	**to**	27
Terminal			4.4	(0.15)	47	(0.15)	**or** 78	(0.15)			

LIMOUSIN	CALVING EASE				GROWTH				MATERNAL		
	Minimum		Maximum		Minimum		Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	YW	(Acc.)		Milk	
Balanced	11	(0.15)	**or** 1.5	(0.15)	57	(0.15)	**or** 81	(0.15)	17	**to**	30
Calving Ease	15	(0.15)	**or** -0.2	(0.15)	54	(0.15)	**or** 79	(0.15)	17	**to**	30
Terminal	8	(0.15)	**or** 3.0	(0.15)	63	(0.15)	**or** 95	(0.15)			

LIM-FLEX	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	12	(0.15)	or	1.2	(0.15)	60	(0.15)	or	90	(0.15)	18	to	31
Calving Ease	14	(0.15)	or	-0.1	(0.15)	57	(0.15)	or	88	(0.15)	18	to	31
Terminal	9	(0.15)	or	2.3	(0.15)	66	(0.15)	or	103	(0.15)			

MAINE ANJOU	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	8	(0.15)	or	0.9	(0.15)	40	(0.15)	or	52	(0.15)	14	to	27
Calving Ease	11	(0.15)	or	-0.9	(0.15)	38	(0.15)	or	49	(0.15)	14	to	27
Terminal	3	(0.15)	or	3.2	(0.15)	46	(0.15)	or	63	(0.15)			

MURRAY GREY	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	-0.9	(0.15)	or	4.5	(0.15)	20	(0.15)	or	32	(0.15)	2	to	10
Calving Ease	0.3	(0.15)	or	2.8	(0.15)	18	(0.15)	or	28	(0.15)	2	to	10
Terminal	-2.0	(0.15)	or	5.8	(0.15)	28	(0.15)	or	43	(0.15)			

RED ANGUS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	11	(0.15)	or	0.1	(0.15)	54	(0.15)	or	79	(0.15)	18	to	32
Calving Ease	14	(0.15)	or	-1.6	(0.15)	50	(0.15)	or	77	(0.15)	18	to	32
Terminal	9	(0.15)	or	1.6	(0.15)	61	(0.15)	or	97	(0.15)			

SALERS	CALVING EASE					GROWTH					MATERNAL		
	Minimum			Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)		BW	(Acc.)	WW	(Acc.)		YW	(Acc.)		Milk	
Balanced	-0.3	(0.15)	or	2.8	(0.15)	28	(0.15)	or	53	(0.15)	10	to	30
Calving Ease	0.6	(0.15)	or	1.1	(0.15)	25	(0.15)	or	51	(0.15)	10	to	30
Terminal	-1.1	(0.15)	or	4.0	(0.15)	36	(0.15)	or	70	(0.15)			

SANTA GERTRUDIS	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	**or**	YW	(Acc.)	Milk		
Balanced			0	(0.15)	0	(0.15)	**or**	0	(0.15)	-3	**to**	9
Calving Ease			-0.3	(0.15)	-2	(0.15)	**or**	-2	(0.15)	-3	**to**	9
Terminal			1.2	(0.15)	6	(0.15)	**or**	19	(0.15)			

SENEPOL	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	**or**	YW	(Acc.)	Milk		
Balanced			1.7	(0.15)	6	(0.15)	**or**	7	(0.15)	-1	**to**	14
Calving Ease			-0.2	(0.15)	5	(0.15)	**or**	6	(0.15)	-1	**to**	14
Terminal			2.6	(0.15)	13	(0.15)	**or**	16	(0.15)			

SHORTHORN	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	**or**	YW	(Acc.)	Milk		
Balanced	9	(0.15)	**or** 1.5	(0.15)	47	(0.15)	**or**	67	(0.15)	14	**to**	27
Calving Ease	13	(0.15)	**or** -1.2	(0.15)	45	(0.15)	**or**	66	(0.15)	14	**to**	27
Terminal	5	(0.15)	**or** 3.9	(0.15)	54	(0.15)	**or**	79	(0.15)			

SIMMENTAL	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	**or**	YW	(Acc.)	Milk		
Balanced	9	(0.15)	**or** 2.3	(0.15)	63	(0.15)	**or**	89	(0.15)	15	**to**	32
Calving Ease	13	(0.15)	**or** 0.5	(0.15)	59	(0.15)	**or**	86	(0.15)	15	**to**	32
Terminal	5	(0.15)	**or** 4.0	(0.15)	70	(0.15)	**or**	102	(0.15)			

HYBRID SIMMENTAL	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)	**or**	YW	(Acc.)	Milk		
Balanced	10	(0.15)	**or** 1.4	(0.15)	59	(0.15)	**or**	83	(0.15)	15	**to**	32
Calving Ease	13	(0.15)	**or** 0	(0.15)	54	(0.15)	**or**	79	(0.15)	15	**to**	32
Terminal	7	(0.15)	**or** 3.0	(0.15)	67	(0.15)	**or**	100	(0.15)			

SOUTH DEVON	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)		YW	(Acc.)	Milk		
Balanced			2.2	(0.15)	39	(0.15)	**or**	69	(0.15)	18	**to**	36
Calving Ease			-0.2	(0.15)	35	(0.15)	**or**	72	(0.15)	18	**to**	36
Terminal			4.1	(0.15)	48	(0.15)	**or**	89	(0.15)			

TARENTAISE	CALVING EASE				GROWTH					MATERNAL		
	Minimum		Maximum		Minimum			Minimum		Minimum		Maximum
	CE	(Acc.)	BW	(Acc.)	WW	(Acc.)		YW	(Acc.)	Milk		
Balanced	0	(0.15)	**or** 2.0	(0.15)	-3	(0.15)	**or**	3	(0.15)	-4	**to**	8
Calving Ease	3	(0.15)	**or** 0	(0.15)	-5	(0.15)	**or**	1	(0.15)	-4	**to**	8
Terminal	-5	(0.15)	**or** 4.7	(0.15)	10	(0.15)	**or**	20	(0.15)			