

Contestant Number: _____

Name: _____

No.	Breed*	Birth Weight (lbs)	Weaning Weight (lbs)	Yearling Weight (lbs)	Marbling	Ribeye Area (sq. in.)	Fat Thick. (in)
1	Angus	-1.7	+53	+101	+0.32	+1.02	-0.045
2	Simmental	+0.1	+75	+115	+0.47	+1.10	-0.070
3	Charolais	-4.5	+40	+75	+0.31	+0.65	-0.020
4	Hereford	-0.5	+59	+103	+0.40	+0.71	+0.011

*Across breed adjustments provided on following table (Adj. to Angus base)

Rank these bulls as herd sires in a commercial beef operation utilizing an Angus cow base. Calves are traditionally sold through the Virginia Quality Assured Feeder Cattle Program; however, consideration has been given to retaining ownership through the finishing phase. Finished cattle would be marketed on a grid basis with premiums for USDA Yield Grade. Cows are calved in a barn and labor is not limiting.

Mark your class placing on a seperate judging card. Hand in this sheet after answering the following questions

- 4 1. Which bull has the least genetic merit for weight at weaning?
- 1 2. Between bulls 1 and 2, which has more marbling?
- 3 3. Which bull offers the best combination of ribeye area and fat thickness?
- 1 4. Which bull is likely to offer the greatest calving ease?
- T 5. True or False: Bulls 1 and 4 are equivalent in fat thickness

**TABLE 1: ADJUSTMENT FACTORS TO ADD TO EPDs OF EIGHTEEN
DIFFERENT BREEDS TO ESTIMATE ACROSS BREED EPDs**

Breed	Birth Wt. (lb)	Weaning Wt. (lb)	Yearling Wt. (lb)	Maternal Milk (lb)	Marbling Score ^a	Ribeye Area (in ²)	Fat Thickness (in)	Carcass Wt.(lb)
Angus	0.0	0.0	0.0	0.0	0.00	0.00	0.000	0.0
Hereford	2.3	-7.8	-28.6	-17.3	-0.31	-0.07	-0.056	-59.0
Red Angus	2.5	-31.4	-34.6	3.3	-0.27	0.01	-0.016	-9.0
Shorthorn	4.7	-36.6	-17.3	4.1	-0.14	0.37	-0.105	-7.1
South Devon	3.3	-11.4	-27.1	3.9	-0.08	0.29	-0.133	-24.8
Beefmaster	4.7	17.9	0.5	5.9				
Brahman	10.3	45.1	6.6	23.8	-0.78	-0.05	-0.145	-27.8
Brangus	3.3	12.0	4.0	6.3				
Santa Gertrudis	5.7	36.3	43.0	17.0	-0.54	-0.09	-0.080	2.2
Braunvieh	1.9	-25.5	-50.0	-0.8	-0.70	0.78	-0.092	
Charolais	8.0	34.6	40.4	8.2	-0.33	1.01	-0.208	13.0
Chiangus	3.2	-27.0	-40.5	-1.7	-0.34	0.34	-0.093	-18.1
Gelbvieh	2.8	-22.6	-29.3	2.3	-0.27	0.75		-15.0
Limousin	2.3	-18.2	-41.3	-13.7	-0.43	1.01	-0.132	-12.0
Maine-Anjou	4.2	-30.5	-38.7	-6.2	-0.57	0.97	-0.187	-15.9
Salers	1.8	-7.3	-25.7	5.9	-0.09	0.94	-0.196	-23.5
Simmental	3.2	-9.4	-12.1	4.4	-0.34	0.49	-0.129	4.4
Tarentaise	3.4	25.1	5.6	24.2				

^aMarbling score units: 4.00 = SI⁰⁰; 5.00 = Sm⁰⁰