

2019 Livestock Skill-a-thon Group Think Questions

Junior/Intermediate Question:

You have two gilts. One gilt will be kept as a breeding gilt and the other you will show as a market hog at the county fair. What are the different nutrient requirements and rations needed to make the breeding gilt maternal and the market hog terminally driven?

Senior Question:

Number	Birth Weight	Weaning Weight	Yearling Weight	Maternal Milk	Marbling Score	Rib Eye Area	\$ Beef
1	1.6	50	92	28	0.39	0.05	44.58
2	-1.3	52	97	24	0.39	0.15	43.41
3	1.5	42	80	21	0.17	0.54	47.22
4	2.5	51	99	34	0.84	0.51	65.93
Breed Avg.	2.1	43	79	21	0.28	0.13	38.13

Scenario: The Angus heifers will be replacements in a purebred herd. Purebred Angus bulls for the commercial cattle industry are the primary source of income through test station consignments and an annual production sale. Heifers are sold to other Angus breeders and to the commercial industry. This herd demands cattle that are productive in all aspects of performance while being functional and easy to keep.