Directions: For each of the EPDs present below, please read the scenario and keep the cattle that fit the scenario, while culling the cattle that do not fit the scenario.

1. Evaluate these heifers as potential replacements for a purebred operation whose goal is to produce moderate framed, functional cattle that have a balance in EPDs. Bulls are sold annually in a bull sale that targets commercial producers. Feed and labor resources are moderate. Keep 4 and cull 4.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tag Number | BW | WW | YW | Milk |
| 1 | 1.1 | 31 | 61 | 13 |
| 2 | 1.4 | 33 | 73 | 17 |
| 3 | 2.2 | 36 | 66 | 21 |
| 4 | 1.8 | 30 | 59 | 17 |
| 5 | 3.8 | 38 | 72 | 23 |
| 6 | 2.5 | 39 | 67 | 21 |
| 7 | 3.4 | 38 | 65 | 20 |
| 8 | 2.1 | 39 | 67 | 21 |
| Breed Average | 2.7 | 33 | 61 | 16 |

Keep: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cull: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Keep the four heifers that you think would make the best replacements in a Registered Charolais herd emphasizing functional cattle with a balance of EPDs.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Heifer # | BW | WW | YW | MA | Maternal | REA |
| 1 | 1.6 | 7.4 | 8.1 | 4.5 | 8.2 | 0.21 |
| 2 | 2.2 | 14.4 | 18.1 | 7.2 | 14.4 | 0.12 |
| 3 | 1.4 | 8.3 | 9.1 | 2.2 | 6.4 | 0.12 |
| 4 | 2 | 9.9 | 10.5 | 2.6 | 7.6 | 0.04 |
| 5 | 0.6 | 12.1 | 14.3 | 4.8 | 10.8 | 0.22 |
| 6 | 2.7 | 13.2 | 18 | 7.9 | 14.5 | 0.05 |
| 7 | -1.2 | 2 | 1.1 | 1 | 2 | 0.14 |
| 8 | 1.2 | 8 | 9 | -8.2 | -4.2 | 0.32 |

Keep:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cull:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Rank these heifers as potential herd replacements for a purebred Angus operation located in College Station, TX. The goal of the operation is to produce moderate framed, functional cattle that have a balance of expected progeny differences. Feed and labor resources are excellent and income is primarily generated through the sale of bulls to commercial producers running Brahman X Hereford tiger-striped cows. Keep 4 and cull 4.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | BW | WW | YW | Milk |
| 1 | 2.4 | 45 | 76 | 22.0 |
| 2 | 1.8 | 51 | 86 | 21.0 |
| 3 | 2.2 | 50 | 84 | 22.0 |
| 4 | 2.0 | 46 | 78 | 23.0 |
| 5 | 2.5 | 35 | 62 | 18.0 |
| 6 | 0.4 | 36 | 64 | 20.0 |
| 7 | 2.0 | 44 | 76 | 21.0 |
| 8 | 2.4 | 40 | 72 | 20.0 |
| Breed Average | 2.2 | 41 | 76 | 20.0 |

Keep: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cull: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Rank these heifers as potential herd replacements for purebred Angus operation located in the Brazos Valley, Bryan, TX. The goal of the operation is to produce moderate framed, functional cattle that have a balance of expected progeny differences. Feed and labor resources are good and income is primarily generated through the sale of bulls to commercial producers running Brahman-cross cows. The producers typically sell their calves at weaning. Keep 4 and Cull 4.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | BW | WW | YW | Milk | $Beef |
| 1 | 2.0 | 52 | 86 | 24.0 | +44.82 |
| 2 | 2.2 | 50 | 82 | 24.0 | +41.74 |
| 3 | 2.1 | 50 | 83 | 22.0 | +42.14 |
| 4 | 1.0 | 49 | 81 | 23.0 | +41.22 |
| 5 | 0.9 | 36 | 71 | 20.0 | +32.94 |
| 6 | 1.5 | 38 | 74 | 18.0 | +34.53 |
| 7 | 1.7 | 52 | 87 | 24.0 | +45.57 |
| 8 | 2.1 | 54 | 88 | 23.0 | +46.02 |
| Breed Average | 2.2 | 43 | 80 | 20.0 | +39.02 |

Keep: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cull: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_