117B Beef Breeding

All dates are listed on the Tuscarawas County Fair Livestock Requirement Summary.

Beginners must know the following in addition to the items listed on the Beef General Requirements:
1. Be able to identify 10 parts of the animal.
2. Be able to identify 5 breeds of cattle.
3. Be able to describe 5 characteristics of the ideal heifer.
4. Know the 5 essential nutrients.
5. Know what is in your feed.
6. Know the definition of heat.
7. Know approximately how long a heifer is pregnant.
8. After a cow has calved know what the most important thing a calf should receive from its mother.
9. Know at least 3 vaccinations your heifer should have.
10. Know at least 3 things you can do to prevent diseases.
11. Be able to identify the injection sight of medication for beef cattle.
12. Be able to tell 3 things you will do to your heifer before you show her.
13. Know what you will take into the show ring.

Intermediates must know the following in addition to the items listed on the Beef General Requirements:
1. Be able to identify 15 parts of the animal.
2. Be able to identify 7 breeds of cattle.
3. Be able to describe 8 characteristics of the ideal heifer.
4. Know the 5 essential nutrients and know what grains are high in energy.
5. What are the 4 parts of the stomach?
6. Know how often the estrous (heat) cycle occurs.
7. Know 2 signs of estrus (heat).
8. Know how long estrus (heat) lasts.
9. Know when you AI (Artificially Inseminate) breed a heifer after showing signs of estrus (heat).
10. Know the 3 mating systems.
11. Be able to tell why Artificial Insemination is used.
12. What is crossbreeding and pure breeding?
13. Know what to do if your calf is not breathing after calving.
14. Know at least 4 vaccinations you should give your heifer.
15. Know at least 4 things you can do to prevent diseases.
16. Know the answer to: What are internal parasites?
17. Know the answer to: What are external parasites?
18. Know the 2 ways you can inject cattle.
19. Be able to discuss some show ring ethics.
20. Be able to discuss fitting preparations for the show.
Advanced must know the following in addition to the items listed on the Beef General Requirements:
1. Be able to identify 20 parts of the animal.
2. Be able to identify 10 breeds of cattle.
3. Be able to describe 10 characteristics of the ideal heifer.
4. Be able to describe 2 leg structural differences in cattle.
5. Know the 4 parts of the stomach and be able to discuss each one’s function.
6. Know the 5 main nutrients and be able to know what feed ingredients are in the nutrient groups.
7. Know which mineral may be deficient in cattle feed and what it causes in grazing cattle.
8. Know what estrous synchronization is.
9. Be able to discuss in depth why artificial insemination is so widely used in cattle.
10. Know and be able to discuss the 3 stages of calving.
11. Be able to discuss calving problems and what should be done.
12. Know what homozygous and heterozygous is.
13. Know what embryo transfer is and why it is used.
14. Know why performance records are used.
15. Know at least 4 vaccinations you should give your heifer for disease and be able to discuss what the disease causes and how it affects your heifer.
16. Know how to treat internal parasites.
17. Know how to treat external parasites.
18. Know the two proper injection methods and proper way to give and handle medication.
19. Be able to discuss how you will groom your heifer.
20. Be able to discuss show ring ethics.

If you have any questions regarding your project and your advisor is unable to answer your questions, please don’t hesitate to contact the Extension office at 330-339-2337.
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