



University of California

Agriculture and Natural Resources

4-H Youth Development Program

4-H Members Name: _____ Club: _____

BEEF - Level 1

The Explorer level is the most basic of all levels. The youth begins to explore the boundaries of the project area, touching on many skills and knowledge areas that will be expanded later.

Date Initial

- ____ 1. Identify 5 beef cattle breeds.
- ____ 2. Learn how to tie a quick release knot.
- ____ 3. Identify animal parts.
- ____ 4. Knowledge of hays and grains.
- ____ 5. Attend Livestock Judging Day.
- ____ 6. Knowledge of how to select your animal.
- ____ 7. Describe the basic housing and equipment that a beginner needs for the health, care, and safety of the animal.
- ____ 8. Vocabulary: Know meaning of the following terms:
Breed, bull, calves, castrate, cow, dam, sire, feeder, finish, fitting, grade animal, heifer, pedigree, polled, purebred, ration, registered animal, steer, open, and fresh.
- ____ 9. State the normal range of the final weight of your species.
- ____ 10. Make calculations to determine rate of gain.
- ____ 11. Participate in showmanship.

Project Leader's Signature of Completion: _____ Date: _____

4-H Program Representative Approval: _____ Date: _____

COMMENTS: _____





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BEEF - Level 2

The Producer level builds and expands on the knowledge and skills learned in level 1- Explorer.

Date Initial

- ____ 1. Demonstrate how you sanitize your animal's equipment.
- ____ 2. Identify different rations for fattening, growing and maintenance
- ____ 3. Be able to balance a ration
- ____ 4. Explain calving difficulties, and methods for prevention and treatment
- ____ 5. Illustrate knowledge of beef confirmation and current trends
- ____ 6. Explain the advantages, disadvantages, and the methods of artificial insemination in beef cattle.
- ____ 7. Explain preventative measures including sanitation, balanced, feeding, vaccination and parasite control.
- ____ 8. Describe what you can do to protect your animal for hot and cold weather.
- ____ 9. Know the grading system for carcasses.
- ____ 10. Have a general knowledge of which retail cuts come from which carcass sections.
- ____ 11. Explain oral, injection and topical methods of treatment
- ____ 12. Identify methods of treatment and/or prevention for calf scours and pneumonia
- ____ 13. Detail methods of castration.
- ____ 14. Illustrate the ability to correctly clip beef animal.
- ____ 15. Demonstrate three methods of administering medications.
- ____ 16. Properly administer oral medicine.
- ____ 17. Give a demonstration on the related topic at County Presentation Day.
- ____ 18. Serve as a Junior/ Teen Leader for the Beef project.

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BEEF - Level 3

The Consumer level takes the member beyond the immediate project, out into the community, as they explore the project area in depth.

Complete at least one alternative listed below.

ALTERNATIVE 1:

- Have a breeding project involving at least four animals. Demonstrate knowledge of line breeding, breed characteristics, performance reports, marketing channels, artificial insemination, registration papers, breeding procedures, tagging and tattooing, properly administer subcutaneous and intramuscular injections.

ALTERNATIVE 2:

- Have a feeding project of at least four animals. Demonstrate knowledge of feeding steers vs. bulls, steers vs. heifers, feeding rations, rates of gain, marketing channels, general animal health, purebred vs. crossbred feeders, ability to figure expenses and needed selling price, knowledge of dressing percentage, grades, shrinkage, retail cut-out value, meat inspection and grading, and brand inspection. Use the 4-H Advanced Livestock form to record income and expenses. Goal should be to support your project.

ALTERNATIVE 3:

- Complete a research project involving some aspect of the beef industry such as breed associations and promotions, current legislative programs, current beef industry trends, commercial vs. purebred herd, career exploration, and current medical research projects.

ALTERNATIVE 4:

- Demonstration Project-Research all by-products from beef and their uses in human life. Make display of product and present to a 4-H group or other industry group.

ALTERNATIVE 5:

- Research a large-scale Beef producer. Analyze their methods of operations. Gain the knowledge of all stages of the operation. Interview someone from that operation such as an employee, management team, or owner.

ALTERNATIVE 6:

Develop beef marketing plan for niche markets. This could include grass-fed, natural or organic beef. Include a marketing schedule with a planning and processing facility as well as cut and wrap facility, production costs etc.

Project Leader's Signature of Completion: _____ Date: _____

4-H Program Representative Approval: _____ Date: _____

COMMENTS: _____

