Animal Science Non-Ownership Livestock Project - Unit I
By
Jesse Ford, Animal Science Department
and Steven Umberger, Extension Specialist, Animal Science

INTRODUCTION

The Animal Science Project Units I, II and III are designed for individual 4-H'ers and 4-H clubs that are interested in livestock but do not or cannot have animals of their own.

These are short-term projects and may be followed up by other livestock and meats projects or by the Junior Stockmans Project.

These projects may be used in school clubs, community clubs, special project clubs or on an individual basis.

Meats judging, livestock judging or participation in the Junior Stockmans contest may all result from these Animal Science Projects plus many other activities related to the livestock industry.

DIRECTIONS

This is a livestock project designed for 4-H'ers of suggested ages 9-12 who may or may not have animals of their own. It can be completed in a short time and can be followed by more advanced projects designed for 4-H'ers with or without animals of their own.
A. Color the Farm Animals

1. Swine

Hampshire Hog

Yorkshire Hog
2. Cattle

Angus

Hereford
3. Sheep

Suffolk Sheep

Polled Dorset
4. Color The Horse

PINTO

PALOMINO

APPAHOOSA
B. Name The Parts

1. Hog (Write proper name by correct number on animal).
   - Jowl
   - Ear
   - Face
   - Eye
   - Snout
   - Neck
   - Shoulder
   - Front Leg
   - Forearm
   - Chest
   - Fore Flank
   - Rump
   - Loin
   - Back
   - Forerib
   - Belly
   - Rear Flank
   - Ham
   - Rear Leg
   - Hock
   - Side
   - Tail
   - Feet or Toes
   - Dew Claws
   - Pastern
   - Stifle

2. Sheep (Write proper name by correct number on animal).
   - Breast or brisket
   - Shoulder
   - Top of shoulder
   - Neck
   - Poll
   - Forehead
   - Face
   - Muzzle
   - Forearm
   - Knee
   - Cannon
   - Back
   - Loin
   - Hip
   - Rump
   - Dock
   - Pastern
   - Dew Claw
   - Rear Flank
   - Belly
   - Foreflank
   - Middle
   - Hock
   - Leg
3. Cow (Write proper name by correct number on animal).

- Rump
- Hook
- Loin
- Back
- Crops
- Crest
- Neck
- Poll
- Eyes
- Muzzle
- Pins
- Quarter
- Twist
- Hock
- Leg
- Pastern
- Forerib
- Middle
- Flank
- Hoof
- Forearm
- Chest
- Brisket
- Shoulder
- Dewlap
- Jaw
4. Horse (Write proper name by correct number on animal).

Fetlock  Bridge of Nose  Point at Shoulder
Hoof      Stifle            Back
Forehead  Cannon           Loin
Poll      Ankle            Pastern
Crest     Face             Abdomen
Hock      Upper Lip        Throat Latch
Knee      Withers          Barrel
Forearm   Rump             Girth
Elbow     Point of Hip     Chest
Buttock   Thigh            Muzzle
Flank     Shoulder         Lower Lip
Gaskin    Nostril          Coronet
Neck      Under Lip        Fetlock
Arm
C. Livestock Crossword Puzzle

ACROSS
1. feeds that are high in energy and can be used by cattle, sheep and hogs
2. feeds lower in food value and higher in fiber than concentrates
3. a male bovine which has not been castrated.
4. a mature female hog that has had at least one litter of pigs
5. the time when a female is "in heat" and will readily breed

DOWN
1. a mature female bovine, usually after one or two pregnancies
2. a domestic hog
3. a male pig which has not been castrated before reaching maturity
4. wool bearing animal
5. a male pig that has been castrated before reaching maturity
6. a female sheep of any age
7. a male sheep castrated before reaching maturity
8. a female pig that has had no offspring

POSSIBLE ANSWERS: estrus, gilt, cow, concentrates, ewe, swine, bull, sow, roughage, boar, barrow, sheep, wether
D. Cattle, sheep and hogs are primarily animals that we in America use for a source of red meat. Horses are used for work, sport and pleasure.

Name two other uses of cattle besides meat.
Example: leather for shoes
1. ______________________ 2. ______________________

Name two other uses of hogs besides meat.
Example: leather for wallets or saddles
1. ______________________ 2. ______________________

Name one other use for sheep besides meat.
Example: fat or tallow to waterproof leather
1. ______________________

E. Name 4 feeds for cattle. Example: oats
1. ______________________ 3. ______________________
2. ______________________ 4. ______________________

F. Name 4 feeds for hogs. Example: peanuts
1. ______________________ 3. ______________________
2. ______________________ 4. ______________________

G. Name 4 feeds for sheep. Example: hay
1. ______________________ 3. ______________________
2. ______________________ 4. ______________________

H. Name 4 feeds for horses. Example: oats
1. ______________________ 3. ______________________
2. ______________________ 4. ______________________

I. Visit a farm with at least one of these animals.

J. See movie or slide set about horses, cattle, sheep or hogs.
   Name of movie or slide set ______________________
   Date Viewed ______________________

Sign this project:

4-H Member

Leader

Extension Agent