White County 4-H

Rabbit Educational Activities – 12th grade

Project Year _____

4-H'er Name_____ Club_____

Activity #1

Meat Processing

1. **Rabbits sold for meat are divided into 3 classes. Name the classes.** (pg 73)
   a. _____
   b. _____
   c. _____

2. **Fryers make up over _____ % of rabbits marketed for meat.** (pg 73)
3. **The dressing percentage, or the amount of carcass yield after processing, varies from _____ to _____ percent.** (pg73)

4. **Rabbits are under voluntary inspection system.** (pg 73) True or False
5. **Selling fryers already processed rather than by live weight may be more _____.** (pg 74)
6. **Domestic rabbit meat is all white meat that is a good source of high quality protein.** (pg 82) True or False
7. **Name the 5 things about rabbit meat.** (pg 82)
   a. _____
   b. _____
   c. _____
   d. _____
   e. _____
8. **Rabbit meat is an excellent source of _____ and _____, and good source of _____ and _____.** (pg 82)
9. **The meat of a roaster or stewer is coarse and hard grained.** (pg 82) True or False
10. **Rabbits are in the zoological order _____, which means 'hare-shape' in Greek.** (pg 9)

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Activity #2

Attach Your Own Feed Tag

All project levels complete this activity each year.

It is important for rabbit project members to know what they are feeding to their animals and how to read a feed tag. Tape or staple one feed tag or ration formula to this page from the rations you feed to your project rabbit(s). Answer the questions below.

Attach your feed tag or write your ration formula below.

1. Is there an active drug ingredient in this ration? _____
2. Is there a withdrawal time for this ration? _____
3. What is the minimum crude protein level in this feed? _____
4. What is the main ingredient in this feed? _____

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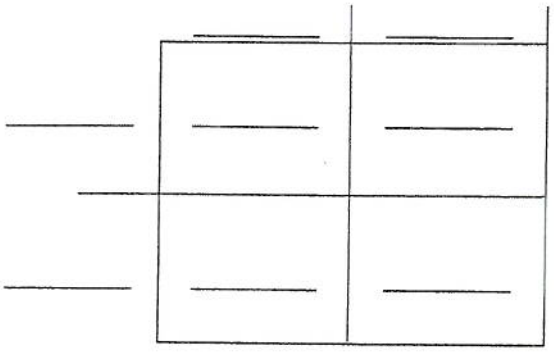
Activity #3

3. F_1 generation buck has a heterozygous **Aa** genotype.
   F_1 generation doe has a heterozygous $\mathbf{a^t a}$ genotype.

Buck
F_1 Generation

Doe
F_1 Generation



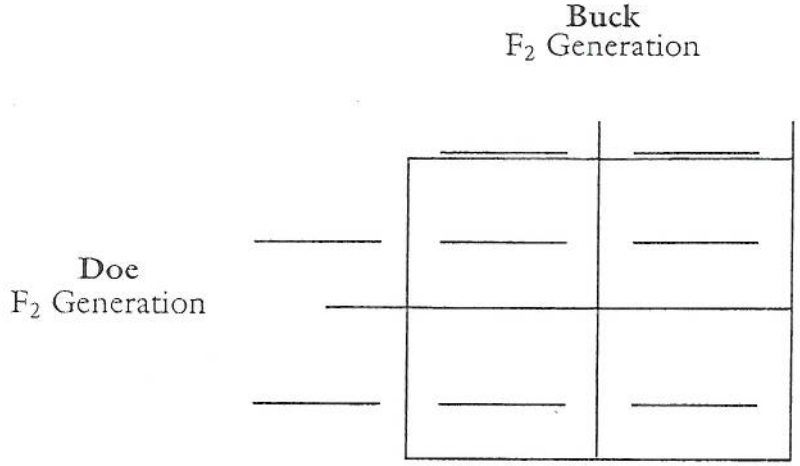
Genotypes	Phenotypes

Phenotypic Ratio of F_2 offspring: _____:_____: _____

What percent of the F_2 offspring have the agouti coloration? _____%

The purpose of activity 4 is to determine the F_3 generation from the mating example provided.

4. F_2 generation buck has a heterozygous $a^t a$ genotype.
   F_2 generation doe has a heterozygous $a^t a$ genotype.



Genotypes	Phenotypes

Phenotypic Ratio of F_3 offspring: _____:_____

What percent of the F_3 offspring have the agouti coloration? _____%

Sources: Gutnik, Martin J., *Genetics, Projects for Young Scientists,* NY: Franklin Watts, 1985
Cheeke, P. R., Lukefahr, S. D., McNitt, J. I., & Patton, N. M., *Rabbit Production,* IL: Interstate Publishers, 1996

For detailed information about the genetic selection for improving your rabbit herd and the coat color genetics of rabbits, refer to *Rabbit Production* by Cheeke, Lukefahr, McNitt, & Patton.