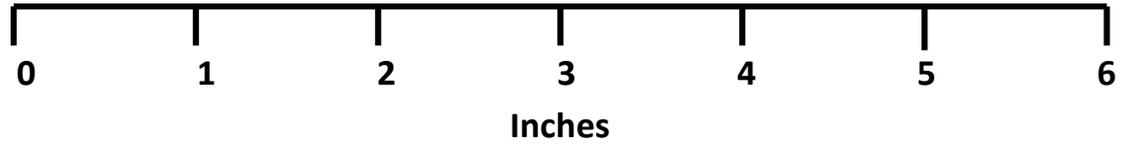
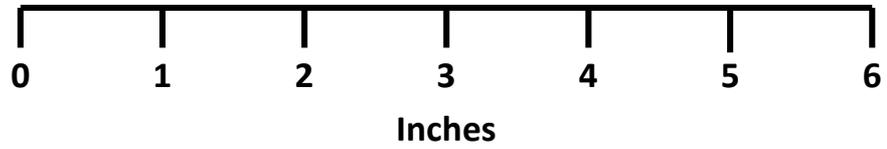


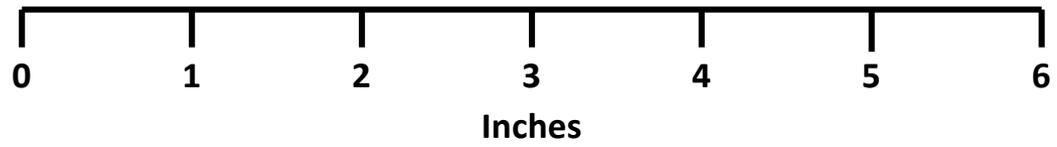
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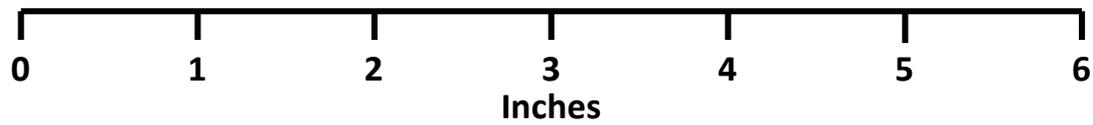
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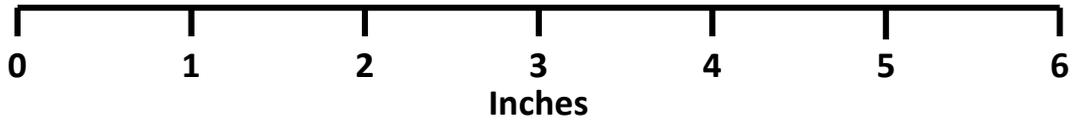
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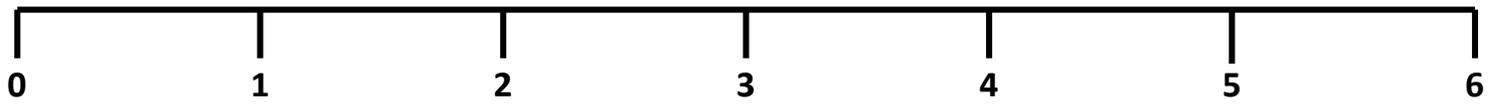
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5

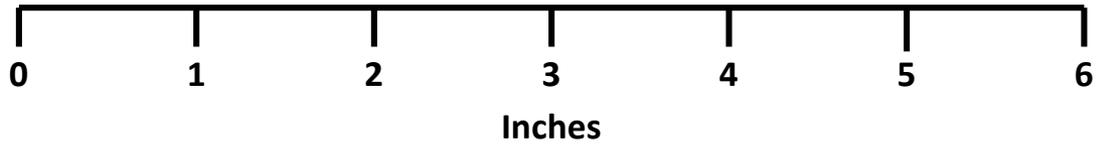


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Inches

7



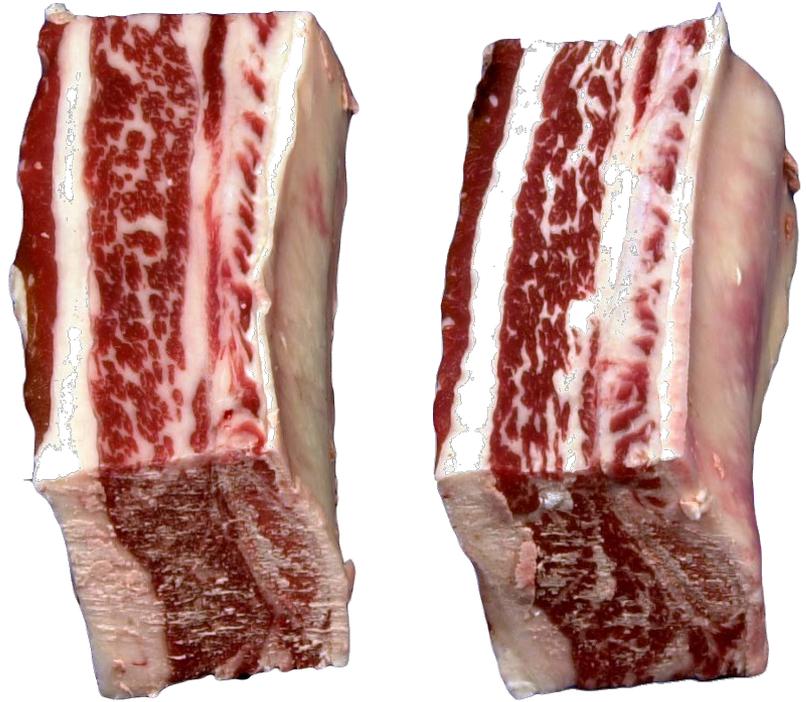
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0 1 2 3 4 5 6

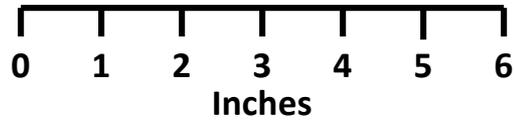
Inches

9



0 1 2 3 4 5 6
Inches

10



Name _____ Contestant # _____ County _____

Clover Retail Meat Cut Identification – 2015

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each retail meat cut. Use capital letters and write neatly. **Clovers** only provide answers for retail cut name. Each question is worth 5 points (50 points total for Clovers).

- | | Retail
Cut
Name |
|-----|--------------------------------|
| 1. | _____ |
| 2. | _____ |
| 3. | _____ |
| 4. | _____ |
| 5. | _____ |
| 6. | _____ |
| 7. | _____ |
| 8. | _____ |
| 9. | _____ |
| 10. | _____ |

Retail Names – to be used in answer column

Beef Retail Meat Cuts

- A. Brisket, whole
- B. Short ribs
- C. Ribeye Steak
- D. Stew Meat

Lamb Retail Meat Cuts

- E. Rib roast
- F. Blade chop
- G. Loin double chop

Pork Retail Meat Cuts

- H. Center rib roast
- I. Fresh ham center slice
- J. Sirloin Chop

Name ANSWER KEY Contestant
_____ County _____

Clover Retail Meat Cut Identification – 2015
INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each retail meat cut. Use capital letters and write neatly. **Clovers** only provide answers for retail cut name. Each question is worth 5 points (50 points total for Clovers).

- Retail
Cut
Name**
1. **C**
2. **I**
3. **G**
4. **D**
5. **F**
6. **J**
7. **A**
8. **H**
9. **B**
10. **E**

Retail Names – to be used in answer column

Beef Retail Meat Cuts

- A. Brisket, whole
- B. Short ribs
- C. Ribeye Steak
- D. Stew Meat

Lamb Retail Meat Cuts

- E. Rib roast
- F. Blade chop
- G. Loin double chop

Pork Retail Meat Cuts

- H. Center rib roast
- I. Fresh ham center slice
- J. Sirloin Chop

Name _____ Contestant # _____ County _____

Clover Livestock Feed Identification – 2015

INSTRUCTIONS: For each sample, use the columns on the right to choose the letter that indicates your answer for each livestock feedstuff. Use capital letters and write neatly. **Clovers** provide answers for the feedstuff name. Each question is worth 5 points (50 points total for Clovers).

Feedstuff
Name

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Feed Names – to be used in answer column 1 by Clovers

- A. Molasses, dried
- B. Corn, shelled
- C. Soybeans, whole
- D. Beat Pulp, dried
- E. Alfalfa Meal
- F. Vegetable Oil
- G. Cottonseed, whole
- H. Wheat, whole
- I. Limestone, ground
- J. Rolled Oats

Name ANSWER KEY Contestant # _____ County _____

Clover Livestock Feed Identification – 2015

INSTRUCTIONS: For each sample, use the columns on the right to choose the letter that indicates your answer for each livestock feedstuff. Use capital letters and write neatly. **Clovers** provide answers for the feedstuff name. Each question is worth 5 points (50 points total for Clovers).

Feedstuff
Name

1. **E**
2. **J**
3. **D**
4. **B**
5. **G**
6. **I**
7. **A**
8. **C**
9. **F**
10. **H**

Feed Names – to be used in answer column 1 by Clovers

- A. Molasses, dried
- B. Corn, shelled
- C. Soybeans, whole
- D. Beat Pulp, dried
- E. Alfalfa Meal
- F. Vegetable Oil
- G. Cottonseed, whole
- H. Wheat, whole
- I. Limestone, ground
- J. Rolled Oats

1.



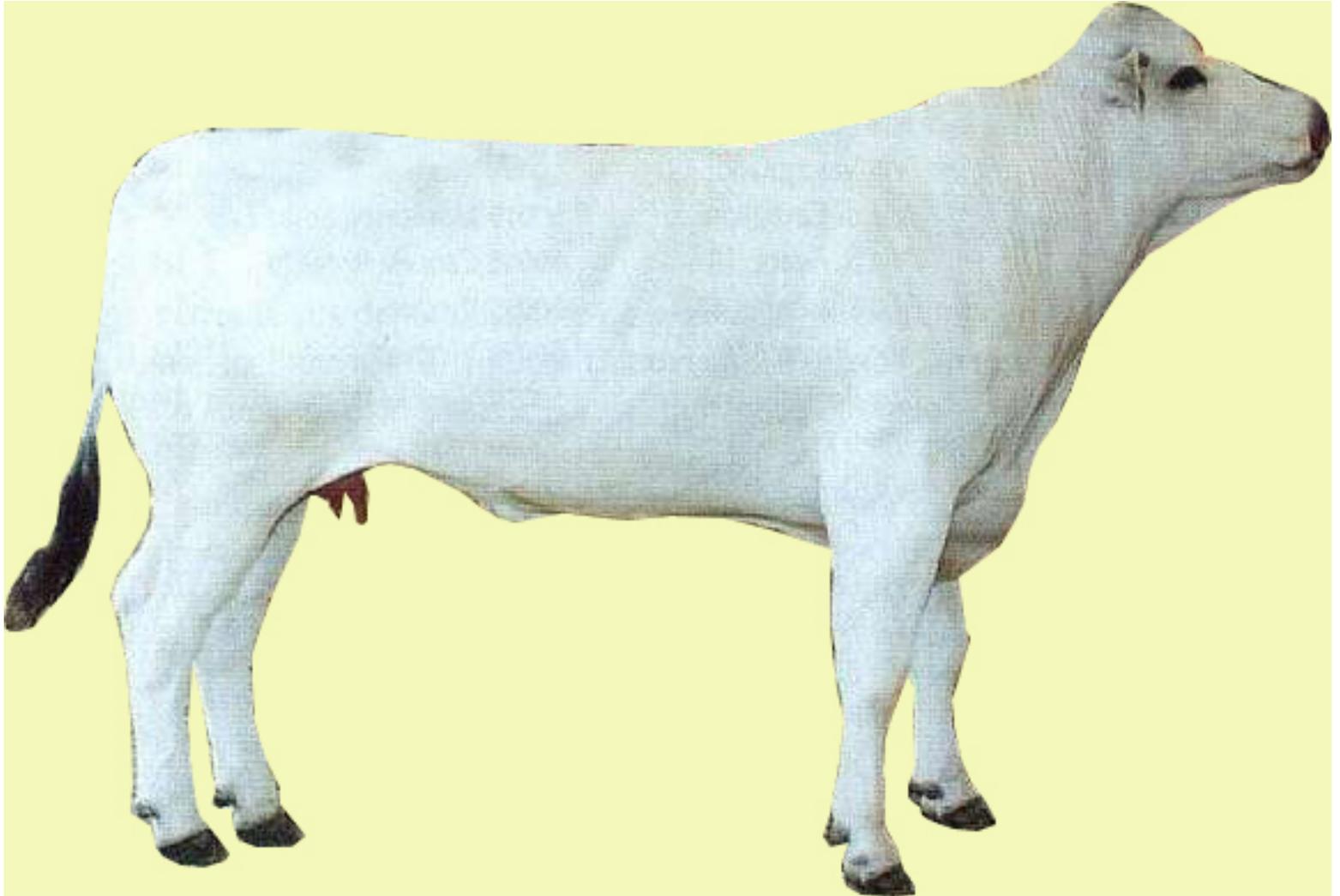
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3.



4.



5.



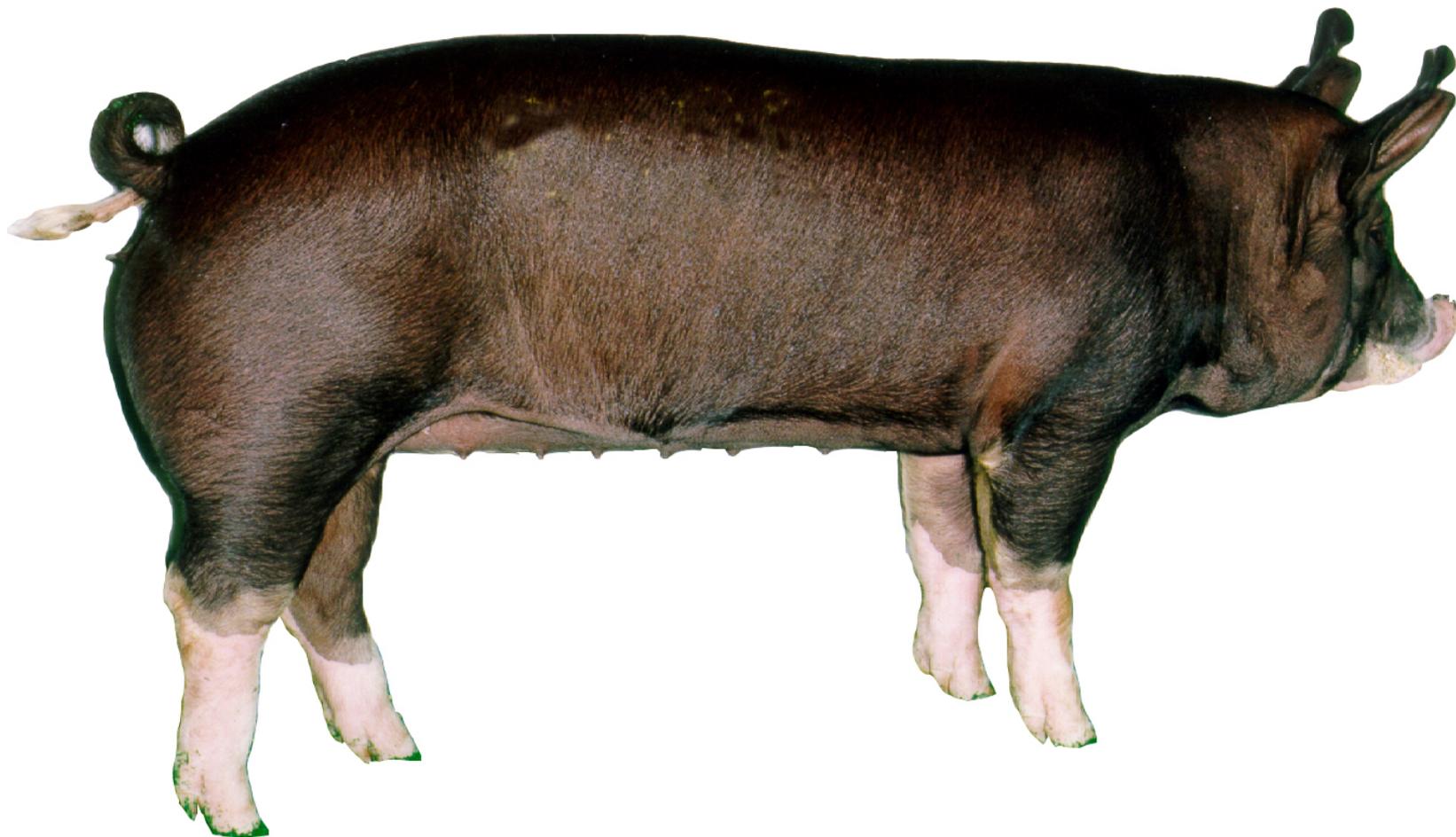
6.



7.



8.



9.



10.



Name _____ Contestant # _____ County _____

Clover Livestock Breeds Identification – 2015

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each livestock breed. Use capital letters and write neatly. **Clovers** only provide answers for breed name. Each question is worth 5 points (50 points total for Clovers).

- Breed Name**
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____

Breed Names – to be used in answer column 1 by Clovers

<u>Beef Breeds</u>	<u>Swine Breeds</u>	<u>Sheep Breeds</u>	<u>Goat Breeds</u>
A. Hereford	D. Landrace	G. Southdown	I. Saanen
B. Charolais	E. Duroc	H. Hampshire	J. Boer
C. Chianina	F. Berkshire		

Name _____ Answer Key _____ Contestant # _____ County _____

Clover Livestock Breeds Identification – 2015

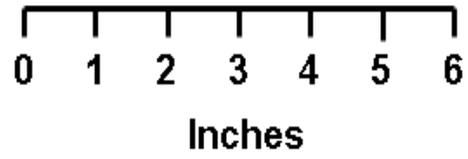
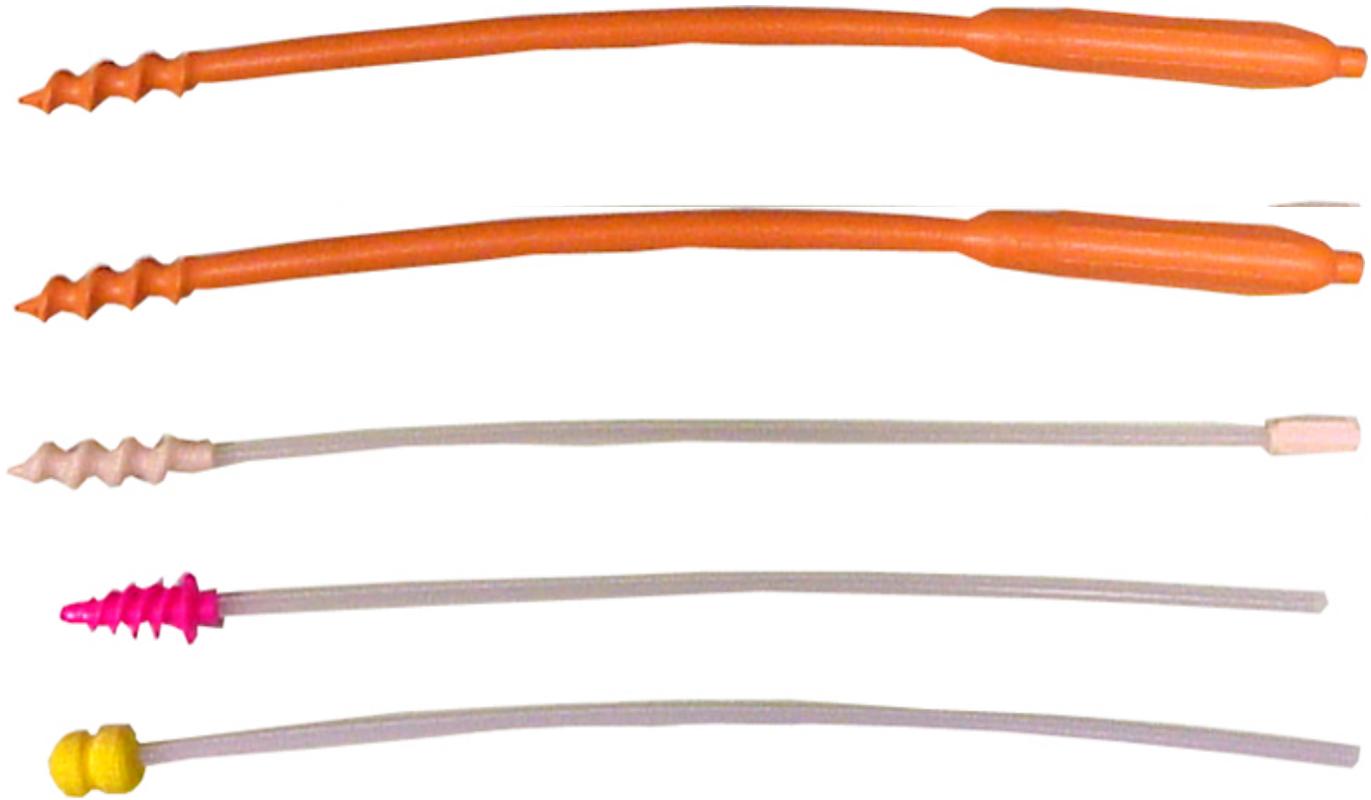
INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each livestock breed. Use capital letters and write neatly. **Clovers** only provide answers for breed name. Each question is worth 5 points (50 points total for Clovers).

- Breed Name
1. **G**
 2. **H**
 3. **A**
 4. **C**
 5. **B**
 6. **J**
 7. **I**
 8. **F**
 9. **D**
 10. **E**

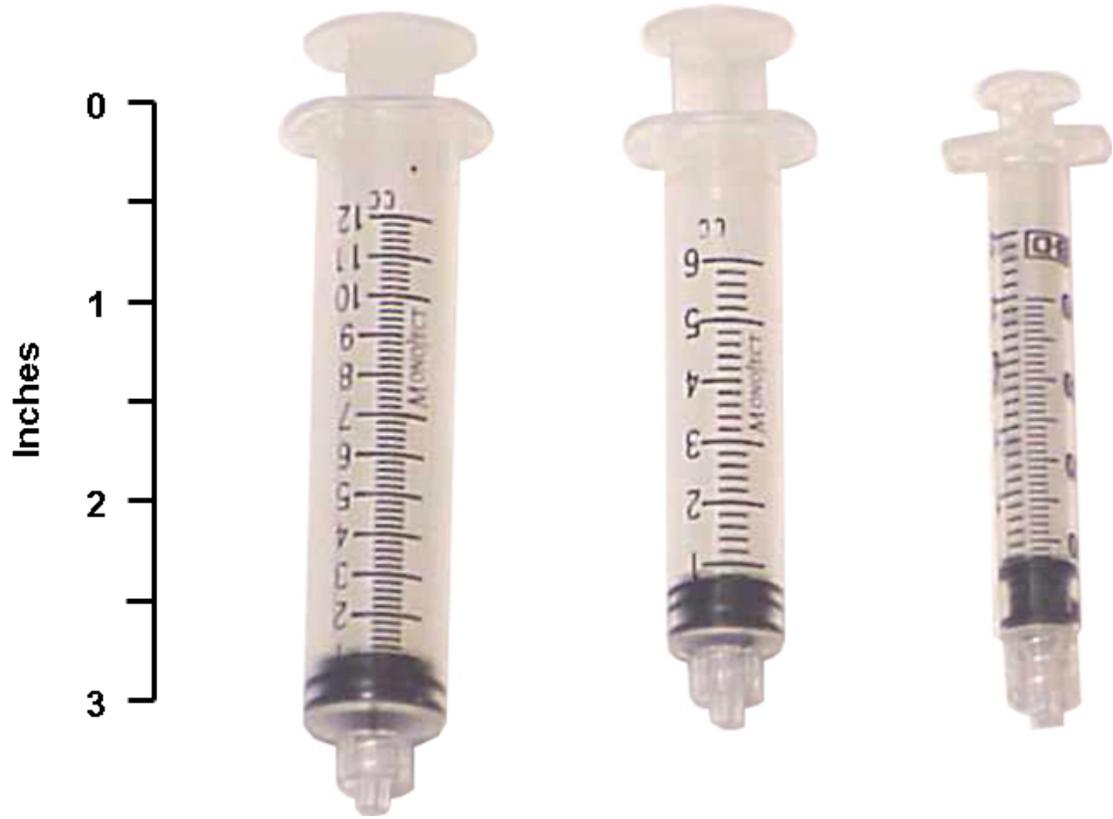
Breed Names – to be used in answer column 1 by Clovers

<u>Beef Breeds</u>	<u>Swine Breeds</u>	<u>Sheep Breeds</u>	<u>Goat Breeds</u>
A. Hereford	D. Landrace	G. Southdown	I. Saanen
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C. Chianina	F. Berkshire		

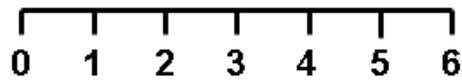
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2

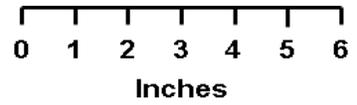
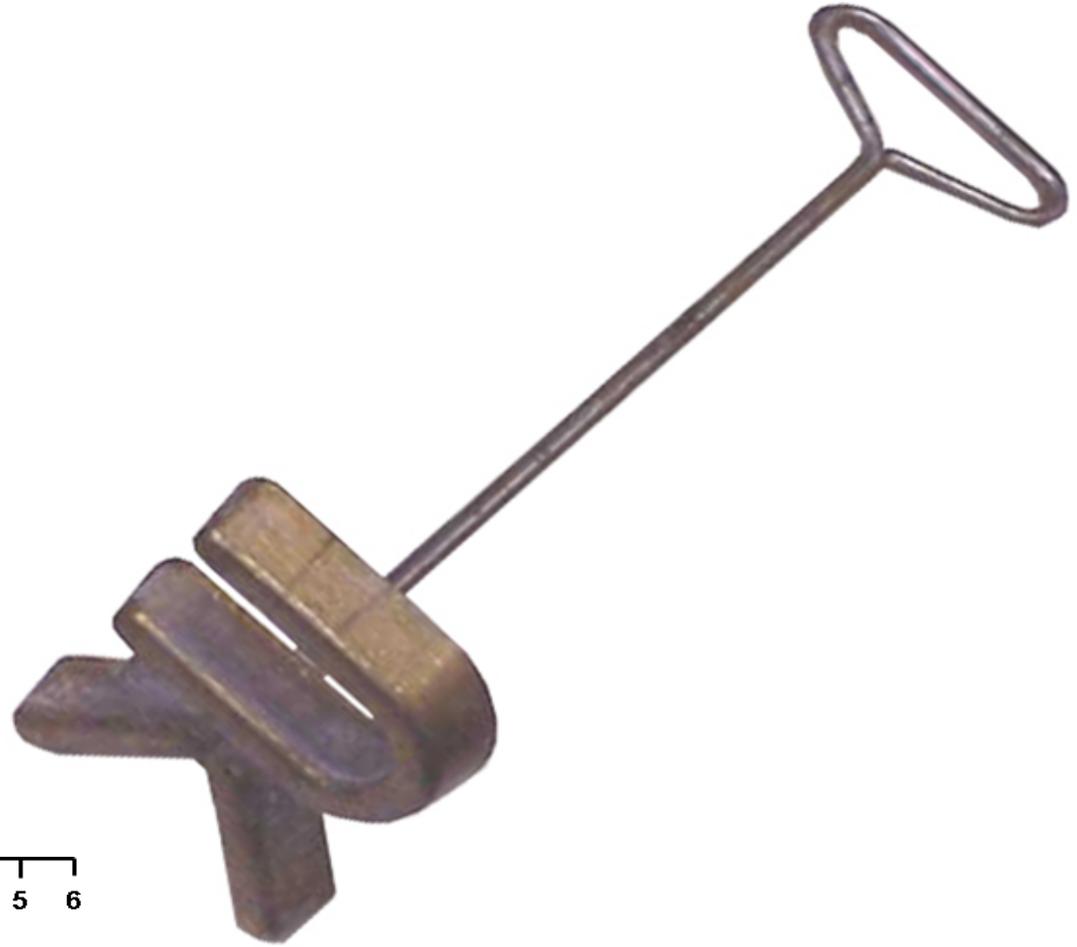


3

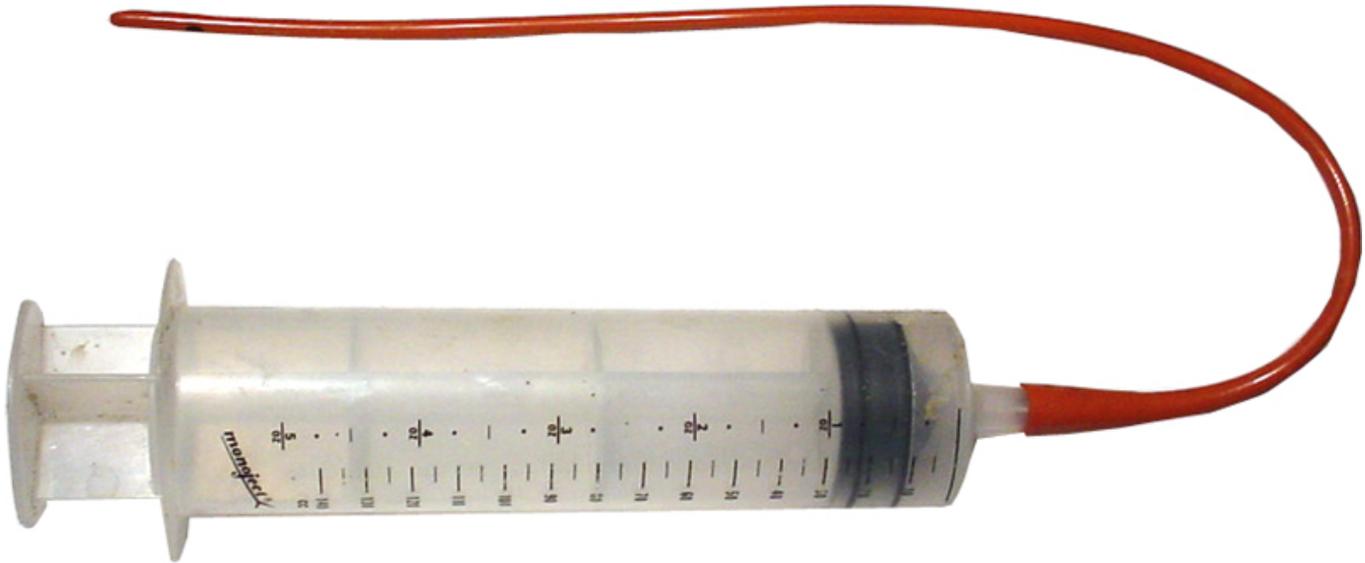


Inches

4



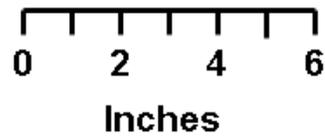
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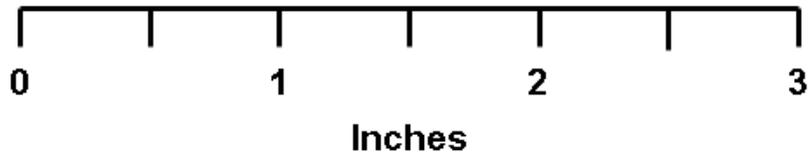
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Inches

6



7



88

Iowa State University of Science and Technology • Ames, Iowa
Cooperative Extension Service • November 1946 • AS-225

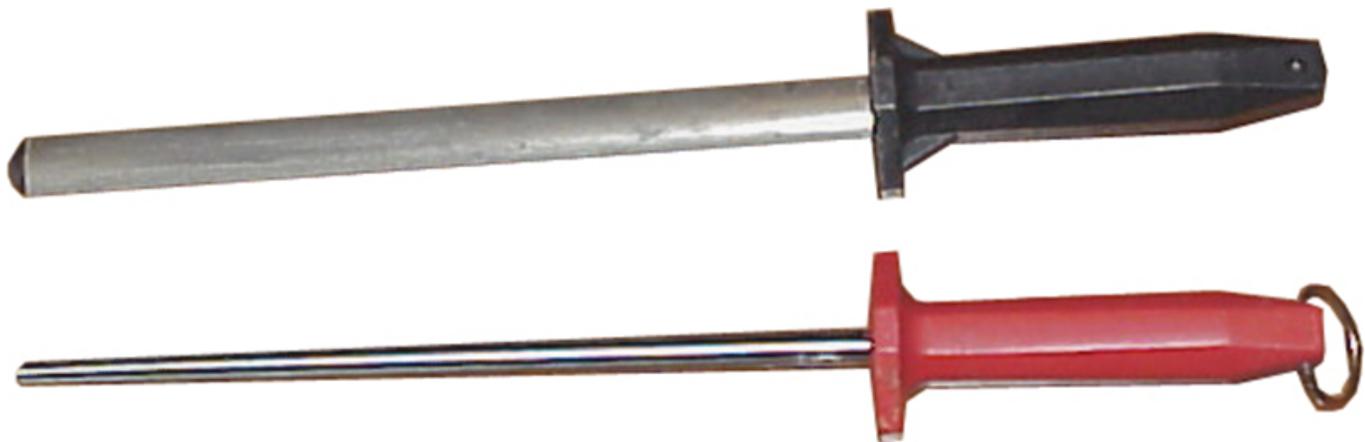
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1 2 3 4 5 6 7 8

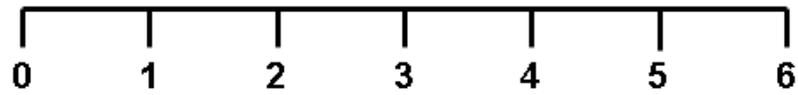
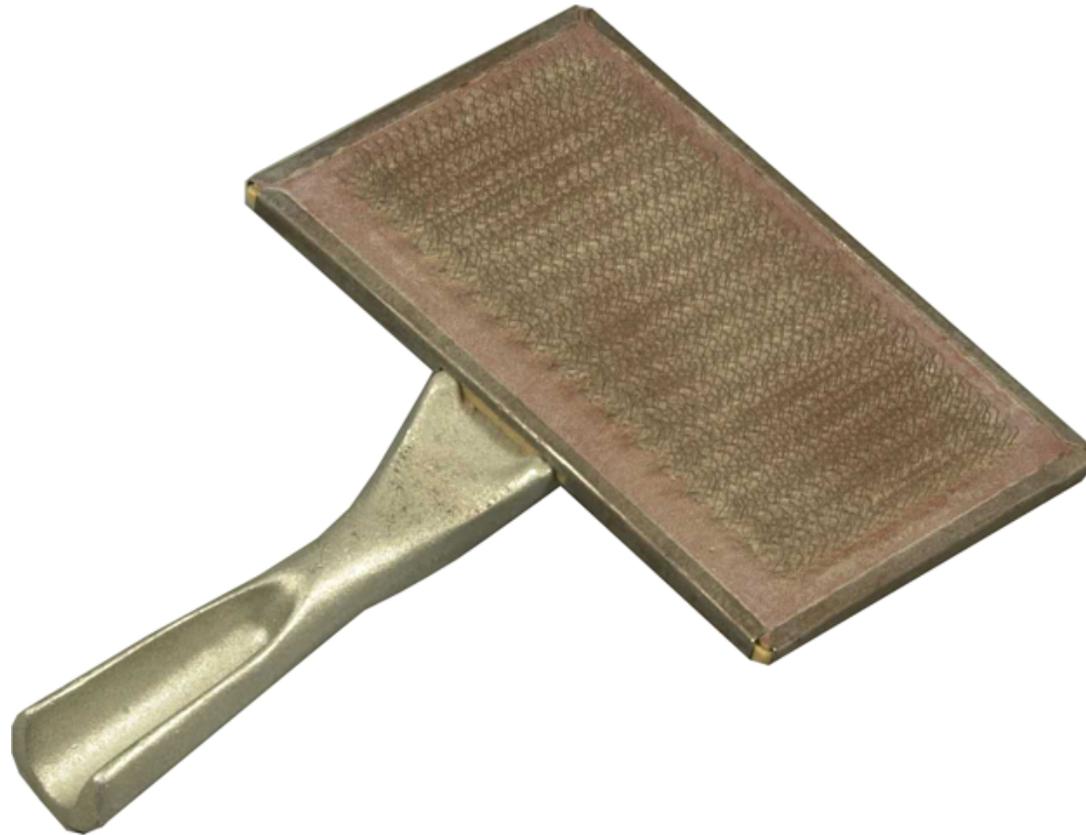
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9



10



Inches

Name _____ Contestant # _____ County _____

Clover Livestock and Meat Equipment Identification – 2015

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each piece of equipment. Use capital letters and write neatly. **Clovers** provide answers for livestock/meat equipment names. Each question is worth 5 points (50 points total for Clovers).

Equipment
Name

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Equipment Names – to be used in answer column 1 by Clovers

- A. Freeze branding iron
- B. Wool card
- C. Disposable syringes
- D. Sharpening steel
- E. Loin eye grid
- F. Artificial insemination pipettes
- G. Rumens Magnate
- H. Lamb tube feeder
- I. Obstetrical (O.B.) chain
- J. Ram marking harness

Name Answer Key Contestant # _____ County _____

Clover Livestock and Meat Equipment Identification – 2015

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each piece of equipment. Use capital letters and write neatly. **Clovers** provide answers for livestock/meat equipment names. Each question is worth 5 points (50 points total for Clovers).

Equipment Name	Equipment Names – to be used in answer column 1 by Clovers
1. <u> F </u>	A. Freeze branding iron
2. <u> C </u>	B. Wool card
3. <u> I </u>	C. Disposable syringes
4. <u> A </u>	D. Sharpening steel
5. <u> H </u>	E. Loin eye grid
6. <u> J </u>	F. Artificial insemination pipettes
7. <u> G </u>	G. Rumen Magnate
8. <u> E </u>	H. Lamb tube feeder
9. <u> D </u>	I. Obstetrical (O.B.) chain
10. <u> B </u>	J. Ram marking harness

SAFE-GUARD® MEDICATED DEWORMER FOR SWINE (EZ SCOOP®)

Intervet/Merck Animal Health

(fenbendazole)

Type B Medicated Feed

3 TO 12 DAY TREATMENT REGIMEN FOR THE REMOVAL OF:

Lungworms: (*Metastrongylus apri*, *M. pudendotectus*). **Gastrointestinal Worms:** Adult and larvae (L₃, L₄ stages -liver, lung, intestinal forms) large roundworms (*Ascaris suum*), nodular worms (*Oesophagostomum dentatum*, *O. quadrispinulatum*), small stomach worms (*Hyostromylus rubidus*), adult and larvae (L₂, L₃, L₄ stages-intestinal mucosal forms) whipworms (*Trichuris suis*). **Kidneyworms:** Adult and larvae (*Stephanurus dentatus*).

DOSAGE REGIMEN: 9 mg fenbendazole per kg body weight (4.08 mg fenbendazole per lb body weight) over a period of 3 to 12 days.

ACTIVE DRUG INGREDIENT:

Fenbendazole	1.8% (8.172 g/lb)
--------------	-------------------

OTHER INGREDIENTS:

Rice Hulls, Calcium Carbonate and Mineral Oil.

Pounds of Safe-Guard® EZ Scoop® premix per ton of swine feed based on pig weight and average daily feed consumption:							
Pig Wt. (lbs)	Average daily feed consumption (lbs)	Treatment Period					
		3 days		6 days		12 days	
		lbs premix	Treats approximately:	lbs premix	Treats approximately:	lbs premix	Treats approximately:
50	3.20	5.2	208 pigs	2.6	104 pigs	1.3	52 pigs
75	4.25	5.8	156 pigs	2.9	78 pigs	1.5	39 pigs
100	5.30	6.2	125 pigs	3.1	62 pigs	1.6	31 pigs

For Individual 400 lb Sow Feeding: Mix 1 level scoop (1.07 ounces) of Safe-Guard® EZ Scoop® premix into 4 to 6 lbs of an individual 400 lb sow's daily ration and feed once daily for 3 consecutive days.

There is no pre-slaughter withdrawal period as Safe-Guard® EZ Scoop® can be fed to day of slaughter.

CONSULT YOUR VETERINARIAN FOR ASSISTANCE IN THE DIAGNOSIS, TREATMENT AND CONTROL OF PARASITISM.

Store at or below 25°C (77°F).

Distributed by: **Intervet Inc.**, Millsboro, DE 19966

The name EZ SCOOP is a registered trademark of North American Nutrition.

Name_____Contestant#_____County_____

Clover Individual Quality Assurance – 2015

Your show pig has shown signs of being infected with worms. You were given by the breeder, you purchased him from, a partial pail of **SAFE-GUARD**. Use the **SAFE-GUARD** label to answer the **5 questions** below relating to this product. **Circle your answers.** (5 questions worth 10 points per question for 50 total points)

1. This product contains which of the following ingredients?

- | | |
|--|-------------------------------|
| A. Fenbendazole, Corn, Rice Hulls | C. Fenbendazole, Corn |
| B. Fenbendazole, Rice Hulls, Mineral Oil | D. Fenbendazole, Peanut Hulls |

2. What is the pre-slaughter withdrawal period?

- | | |
|------------------|------------|
| A. 21 days | C. 2 weeks |
| B. No withdrawal | D. 3 days |

3. When feeding one scoop per day for 3 days to sows weighing 400 pounds how much total feed should they be allowed to consume per head?

- | | |
|------------------|--------------------|
| A. 1 to 2 pounds | C. 20 to 30 pounds |
| B. 9 pounds | D. 4-6 pounds |

4. What is the range of time to feed this product?

- | | |
|--------------|-------------|
| A. 3-12 days | C. 1 month |
| B. 1 day | D. 38 hours |

5. What is the active drug ingredient?

- | | |
|----------------------|----------------|
| A. Morantel tartrate | C. Febendazole |
| B. Blue Dye | D. Penicillin |

Name Answer Key Contestant# _____ County _____

Clover Individual Quality Assurance – 2015

Your show pig has shown signs of being infected with worms. You were given by the breeder, you purchased him from, a partial pail of **SAFE-GUARD**. Use the **SAFE-GUARD** label to answer the **5 questions** below relating to this product. **Circle your answers.** (5 questions worth 10 points per question for 50 total points)

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- | | |
|---|-------------------------------|
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| B. <u>Fenbendazole, Rice Hulls, Mineral Oil</u> | D. Fenbendazole, Peanut Hulls |

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- | | |
|-------------------------|------------|
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5. What is the active drug ingredient?

- | | |
|----------------------|------------------------|
| A. Morantel tartrate | <u>C. Fenbendazole</u> |
| B. Blue Dye | D. Penicillin |

Clover Quiz – 2015

Carefully circle the correct answer to each of the questions below. (Each question is worth 2 points each for a total of 50 points)

- 1.) A female beef animal nursing a calf is called a _____.
 - a. Steer
 - b. Heifer
 - c. Cow
 - d. Nanny

- 2.) Removing the testicles from a male lamb is called _____.
 - a. Elastration
 - b. Castration
 - c. Docking
 - d. Elastrator

- 3.) What essential nutrient do cattle require the greatest amount of?
 - a. Water
 - b. Protein
 - c. Vitamins
 - d. Minerals

- 4.) What is the average length of gestation in cattle?
 - a. 130 days
 - b. 150 days
 - c. 283 days
 - d. 160 days

- 5.) What is the most widely fed feed grain for livestock in the U.S.?
 - a. Wheat
 - b. Barley
 - c. Corn
 - d. Grain sorghum

- 6.) What mineral should not be included in diets for sheep?
 - a. Phosphorus
 - b. Magnesium
 - c. Molybdenum
 - d. Copper

- 7.) Which of the following is **not** a monogastric?
 - a. Doe
 - b. Steer
 - c. Wether
 - d. All of the above

- 8.) Which of the following is a non-ruminant?
 - a. Cow
 - b. Barrow
 - c. Buck
 - d. All of the above

- 9.) What is the average length of the estrous cycle in a ewe?
- a. 7 days
 - b. 10 days
 - c. 17 days
 - d. 28 days
- 10.) What is the average length of gestation in swine?
- a. 114 days
 - b. 150 days
 - c. 244 days
 - d. 283 days
- 11.) Which one of the following hormones maintains pregnancy in farm animals?
- a. Estrogen
 - b. Progesterone
 - c. Prostaglandin
 - d. Testosterone
- 12.) Which of the following is a quality grade for beef?
- a. Prime
 - b. Select
 - c. Choice
 - d. All of the above
- 13.) Which management practices are performed on baby piglets?
- a. Dock tails
 - b. Clip needle teeth
 - c. Give iron injection
 - d. All of the above
- 14.) Which of the following should not be fed to fat cattle?
- a. Grass Hay
 - b. Cracked Corn
 - c. Straw
 - d. Finely ground corn
- 15.) Which nationally recognized show is located in Louisville, Kentucky?
- a. Fort Worth Stock Show
 - b. North American International Livestock Expo.
 - c. National Western
 - d. American Royal
- 16.) Which of the following is not fed to livestock primarily for energy?
- a. Soybean meal
 - b. Molasses
 - c. Steam flaked corn
 - d. Soybean hulls
- 17.) Which of the following is a high priced wholesale cut in lambs?
- a. Leg
 - b. Rack
 - c. Loin
 - d. All of the above
- 18.) Which of the following pig breeds is known as a “primary terminal cross sire”?
- a. Landrace
 - b. Yorkshire
 - c. Duroc
 - d. All of the above

- 19.) Which species has the marketing ad “It’s What’s for Dinner”?
- a. Beef
 - b. Pork
 - c. Lamb
 - d. Chevron
- 20.) The female reproductive organ where the egg is fertilized is called the _____.
- a. Ovary
 - b. Oviduct
 - c. Cervix
 - d. Uterus
- 21.) Mating a male and a female of different breeds is called _____.
- a. Linebreeding
 - b. Inbreeding
 - c. Crossbreeding
 - d. Outcrossing
- 22.) Which of the following is not considered a by-product feed?
- a. Whole shelled corn
 - b. Soybean Hull Pellets
 - c. Distillers Dried Grains
 - d. All of these are by-product feeds
- 23.) For which of the following species is it typical for the females to have litters?
- a. Beef cattle
 - b. Swine
 - c. Goat
 - d. Both a. and c.
- 24.) The period of time when a calf is carried inside its mother is called _____.
- a. Gestation
 - b. Lactation
 - c. Generation interval
 - d. Postpartum interval
- 25.) Where is the hormone testosterone produced?
- a. Testicle
 - b. Ovary
 - c. Brain
 - d. Pancreas

Clover Quiz – 2015

Carefully circle the correct answer to each of the questions below. (Each question is worth 2 points each for a total of 50 points)

- 1.) A female beef animal nursing a calf is called a _____.
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 - b. Heifer
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 - c. Docking
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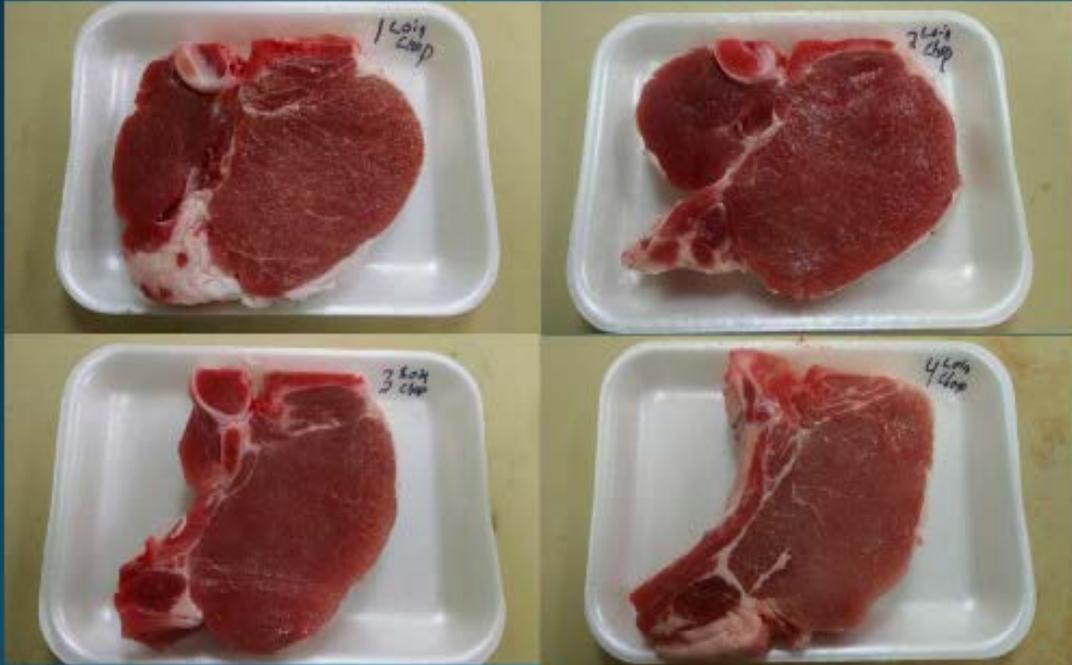
- 7.) Which of the following is **not** a monogastric?
 - a. Doe
 - b. Steer
 - c. Wether
 - d. All of the above**

- 8.) Which of the following is a non-ruminant?
 - a. Cow
 - b. Barrow**
 - c. Buck
 - d. All of the above

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 - b. 10 days
 - c. **17 days**
 - d. 28 days
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- a. Leg
 - b. Rack
 - c. Loin
 - d. **All of the above**
- 18.) Which of the following pig breeds is known as a “primary terminal cross sire”?
- a. Landrace
 - b. Yorkshire
 - c. **Duroc**
 - d. All of the above

- 19.) Which species has the marketing ad “It’s What’s for Dinner”?
- a. **Beef**
 - b. Pork
 - c. Lamb
 - d. Chevron
- 20.) The female reproductive organ where the egg is fertilized is called the _____.
- a. Ovary
 - b. **Oviduct**
 - c. Cervix
 - d. Uterus
- 21.) Mating a male and a female of different breeds is called _____.
- a. Linebreeding
 - b. Inbreeding
 - c. **Crossbreeding**
 - d. Outcrossing
- 22.) Which of the following is not considered a by-product feed?
- a. **Whole shelled corn**
 - b. Soybean Hull Pellets
 - c. Distillers Dried Grains
 - d. All of these are by-product feeds
- 23.) For which of the following species is it typical for the females to have litters?
- a. Beef cattle
 - b. **Swine**
 - c. Goat
 - d. Both a. and c.
- 24.) The period of time when a calf is carried inside its mother is called _____.
- a. **Gestation**
 - b. Lactation
 - c. Generation interval
 - d. Postpartum interval
- 25.) Where is the hormone testosterone produced?
- a. **Testicle**
 - b. Ovary
 - c. Brain
 - d. Pancreas

Pork Loin Chops



Clover Retail Meat Judging – 2015

Name _____ Contestant # _____ County _____

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

_____ **Pork Loin Chops** _____

A	1 2 3 4	
B	1 2 4 3	
C	1 3 2 4	
D	1 3 4 2	
E	1 4 2 3	
F	1 4 3 2	
G	2 1 3 4	
H	2 1 4 3	
I	2 3 1 4	
J	2 3 4 1	
K	2 4 1 3	
L	2 4 3 1	
M	3 1 2 4	
N	3 1 4 2	
O	3 2 1 4	
P	3 2 4 1	
Q	3 4 1 2	
R	3 4 2 1	
S	4 1 2 3	
T	4 1 3 2	
U	4 2 1 3	
V	4 2 3 1	
W	4 3 1 2	
X	4 3 2 1	

Clover Retail Meat Judging – 2015

Name ANSWER KEY Contestant # _____ County _____

Official Placing = 2-1-3-4

Cuts = 2-3-3

(50 points possible)

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Pork Loin Chops

A	1 2 3 4	48
B	1 2 4 3	45
C	1 3 2 4	43
D	1 3 4 2	35
E	1 4 2 3	37
F	1 4 3 2	32
G	2 1 3 4	50
H	2 1 4 3	47
I	2 3 1 4	47
J	2 3 4 1	41
K	2 4 1 3	41
L	2 4 3 1	38
M	3 1 2 4	40
N	3 1 4 2	32
O	3 2 1 4	42
P	3 2 4 1	36
Q	3 4 1 2	26
R	3 4 2 1	28
S	4 1 2 3	31
T	4 1 3 2	26
U	4 2 1 3	33
V	4 2 3 1	30
W	4 3 1 2	23
X	4 3 2 1	25

Clover Hay Judging – 2015

Name _____ Contestant # _____ County _____

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Hay Judging Class

A	1 2 3 4	
B	1 2 4 3	
C	1 3 2 4	
D	1 3 4 2	
E	1 4 2 3	
F	1 4 3 2	
G	2 1 3 4	
H	2 1 4 3	
I	2 3 1 4	
J	2 3 4 1	
K	2 4 1 3	
L	2 4 3 1	
M	3 1 2 4	
N	3 1 4 2	
O	3 2 1 4	
P	3 2 4 1	
Q	3 4 1 2	
R	3 4 2 1	
S	4 1 2 3	
T	4 1 3 2	
U	4 2 1 3	
V	4 2 3 1	
W	4 3 1 2	
X	4 3 2 1	

Clover Hay Judging - 2015

Name ANSWER KEY Contestant # _____ County _____

Official Placing = 4-2-1-3

Cuts = 2-4-7

(50 points possible)

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Hay Judging Class

A	1 2 3 4	25
B	1 2 4 3	38
C	1 3 2 4	14
D	1 3 4 2	16
E	1 4 2 3	40
F	1 4 3 2	29
G	2 1 3 4	29
H	2 1 4 3	42
I	2 3 1 4	22
J	2 3 4 1	28
K	2 4 1 3	48
L	2 4 3 1	41
M	3 1 2 4	7
N	3 1 4 2	9
O	3 2 1 4	11
P	3 2 4 1	17
Q	3 4 1 2	15
R	3 4 2 1	19
S	4 1 2 3	46
T	4 1 3 2	35
U	4 2 1 3	50
V	4 2 3 1	43
W	4 3 1 2	28
X	4 3 2 1	32

County _____

Team Members _____

Clover Team Quality Assurance Exercise – 2015

(There are three (3) parts to this exercise. Combined, the three parts are worth a total of 175 points)

Part 1 of this exercise will demonstrate your understanding of the different parts of a medication label. A medication label front and label back are shown on the front and back of this page. For each, use the column on the right of the label to choose the letter that identifies the part of the label that is highlighted. Use capital letters and write neatly. There are also five (5) questions for you to use the medication label to answer. (Answers for part 1 are worth 5 points each for a total of 75 points.)

LABEL FRONT

Nuflor[®]
(florfenicol), An Antibiotic
Type A Medicated Article for Swine
For Use in Swine Feeds Only
Intervet/Merck Animal Health

CAUTION: Federal law limits this drug to use under the professional supervision of a licensed veterinarian. Animal feed bearing or containing this veterinary feed directive (VFD) drug shall be fed to animals only by or upon a lawful VFD issued by a licensed veterinarian in the course of the veterinarian's professional practice.

Active Drug Ingredient: Florfenicol 40 g per kg (18.2 g per lb)

Indications: For the control of swine respiratory disease (SRD) associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Streptococcus suis*, and *Bordetella bronchiseptica* in groups of swine in buildings experiencing an outbreak of SRD.

RESIDUE WARNING: Feeds containing florfenicol must be withdrawn 13 days prior to slaughter.

Answers to use to identify parts of the label front

- A. Quantity of contents
- B. Name of medication
- C. Active ingredient(s)
- D. Distributor

[OVER]

LABEL BACK

- Answers to use to identify parts of the label back
- E. Withholding times
 - F. Dosage (amount per ton)
 - G. Feeding Directions
 - H. Approved species
 - I. Storage requirements
 - J. Cautions/warnings

RESIDUE WARNING: Feeds containing florfenicol must be withdrawn 13 days prior to slaughter.

IMPORTANT: Must be thoroughly mixed in feeds before use.

For Use in Swine Feeds Only.

MIXING DIRECTIONS: Thoroughly mix 10 lb of Nuflor® Type A Medicated Article for Swine with 1990 lb of feed to provide Type C medicated feed containing 182 g florfenicol per ton, as shown below:

Starting Concentration of Nuflor® Type A Medicated Article for Swine (Grams/pound)	Amount of Type A Medicated Article to add per ton (Pounds)	Resulting Concentration in Type C Medicated Feed	
		Grams/ton	ppm
18.2	10.0	182	200

FEEDING DIRECTIONS: Feed medicated feed as the sole ration for 5 consecutive days to swine to deliver 10 mg florfenicol per kg body weight per day.

WARNING: Avoid inhalation, oral exposure, and direct contact with skin or eyes. Operators mixing and handling Nuflor® Type A Medicated Article for Swine should use protective clothing, gloves, goggles and a NIOSH-approved dust mask. Wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse thoroughly with water. If irritation persists, seek medical attention. Not for human consumption.

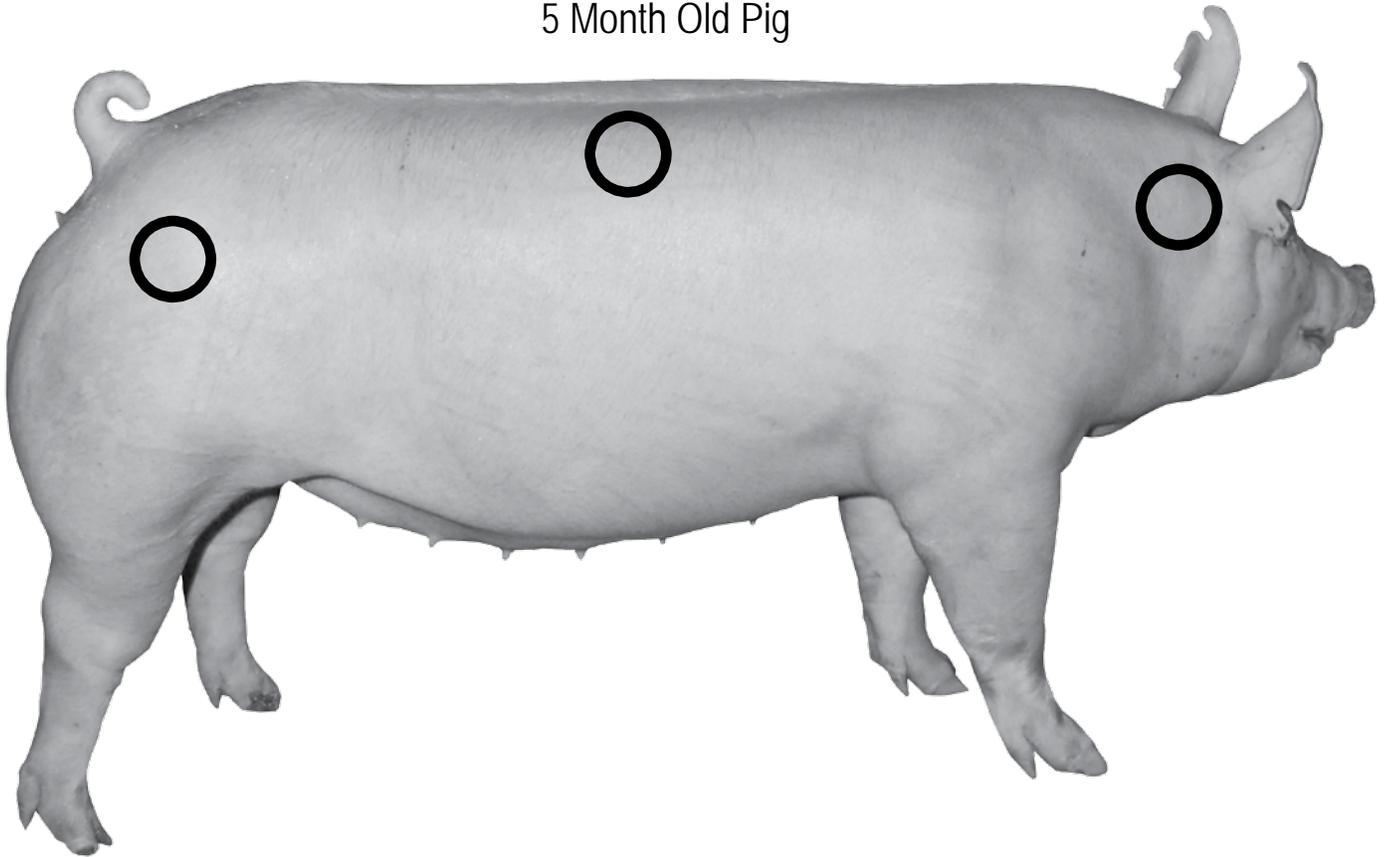
STORAGE CONDITIONS: Store at or below 25°C (77°F).

Using the medication label back above, circle your answers to the following questions.

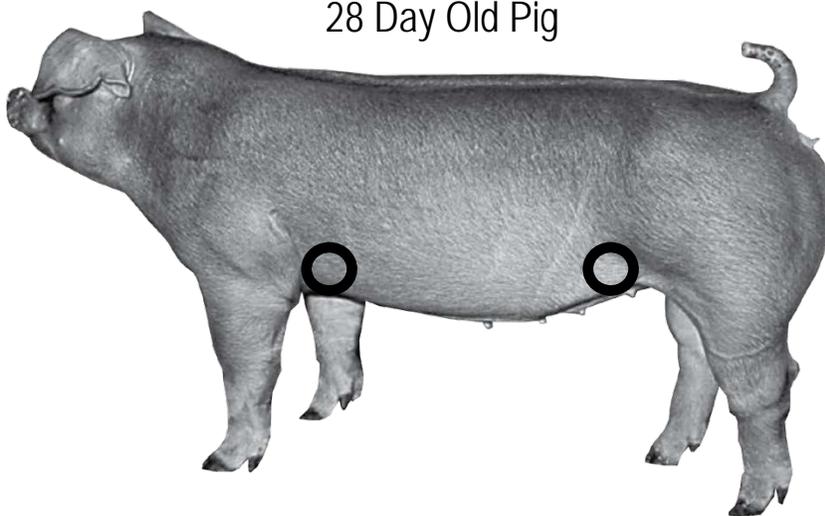
- 1) If you are shipping pigs today, can an a pig which consumed this yesterday be shipped?
 - a. Yes
 - b. No
- 2) Should I store this in a farrowing room with the temperature set on 85 degrees?
 - a. Yes
 - b. No
- 3) Should I feed this to my new ram?
 - a. Yes
 - b. No
- 4) It is okay to feed this product for 5 consecutive days.
 - a. True
 - b. False
- 5) An approved veterinarian needs to be involved when feeding this product.
 - a. True
 - b. False

Part 2. Pictures of two pigs, one that 5 months old and one that is 28 days old, are shown below. Small circles which represent potential vaccination sites are shown on each pig. Place an “X” in the small circles that should not be used for vaccinations, and color in the small circles that are appropriate as vaccination sites. (Answers for part 2 are worth 10 points each for a total of 50 points.)

5 Month Old Pig



28 Day Old Pig



[OVER]

Part 3. Biosecurity and its effect on the prevention and transmission of disease is a key part of quality assurance. There are two parts to this section (Section A and Section B) that deal with biosecurity. (Answers for part 3 are worth 5 points each for a total of 50 points.)

Section A – Use the column on the right to choose the letter for the biosecurity term that matches the definition on the left. Use capital letters and write neatly.

Answer	Definition	Biosecurity Term
	1. Keeping a new pig or pig returning from a fair or show separate from animals already on the farm for a set amount of time.	A. Biosecurity
	2. Doing everything you can to reduce the chances of an infectious disease being carried onto your farm by people, animals, equipment, or vehicles.	B. Contact Transmission
	3. Can include nose-to-nose contact that results in an infection.	C. Aerosol Transmission
	4. Transmission of disease during the breeding process.	D. Venereal Transmission
	5. Ingestion of infected manure/bedding or exposure to dirty pen.	E. Fecal Transmission
	6. Exposure to droplets in the air from an infected animal.	F. Isolation

Section B – Use the Word Bank at the right to fill in blanks. All of the words in the Word Bank will not be used.

- _____ equipment and trailers should occur away from the pigs that have not been to a show.
- After you have been to a _____ use disinfectants to clean your equipment and trailer.
- People and vehicles can carry and transmit pathogens; therefore, protect the health of animals by limiting visitors and vehicle traffic. This is a form of _____.
- _____ of wildlife, birds, and other pests is very important as they can transmit many disease.

WORD BANK
Pathogens
Disinfectants
Biosecurity
Control
Show
Cleaning

County ANSWER KEY

Team Members _____

Clover Team Quality Assurance Exercise – 2015

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RESIDUE WARNING: Feeds containing florfenicol must be withdrawn 13 days prior to slaughter.

Red boxes highlight: Nuflor[®], (florfenicol), An Antibiotic, Intervet/Merck Animal Health, and RESIDUE WARNING. Red arrows point from these boxes to answer lines B, C, D, and A respectively.

Answers to use to identify parts of the label front

- A. Slaughter withdrawal
- B. Name of medication
- C. Active ingredient(s)
- D. Distributor

B

C

D

A

[OVER]

LABEL BACK

E

- Answers to use to identify parts of the label back
- E. Withholding times
 - F. Dosage (amount per ton)
 - G. Feeding Directions
 - H. Approved species
 - I. Storage requirements
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STORAGE CONDITIONS: Store at or below 25°C (77°F).

H

F

G

J

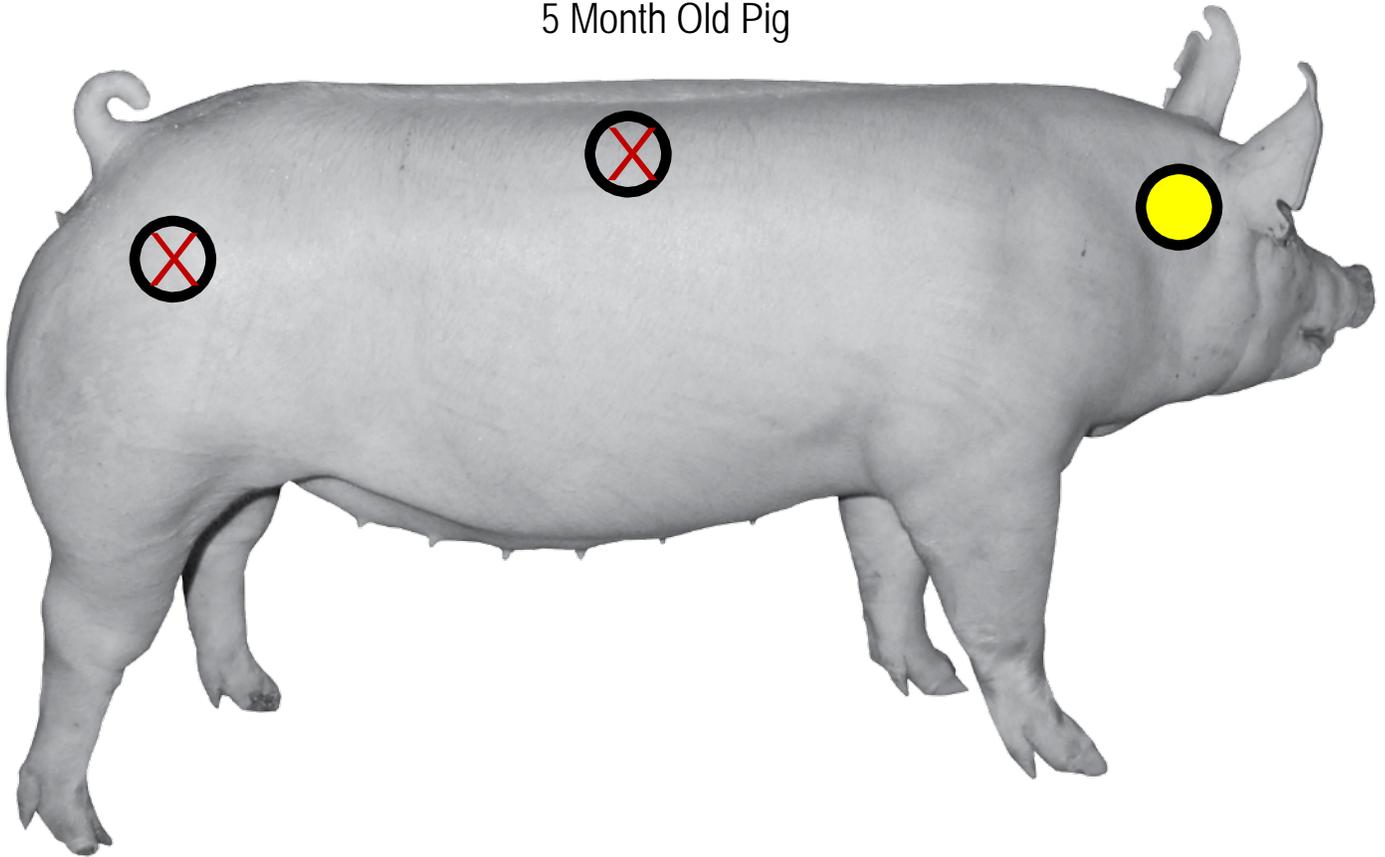
I

Using the medication label back above, circle your answers to the following questions.

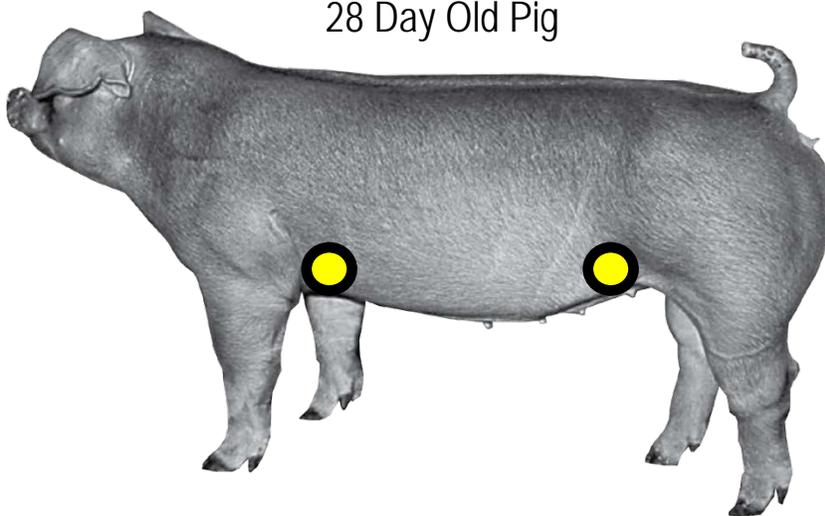
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 - b. No**
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5 Month Old Pig



28 Day Old Pig



[OVER]

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Answer	Definition	Biosecurity Term
F	1. Keeping a new pig or pig returning from a fair or show separate from animals already on the farm for a set amount of time.	A. Biosecurity
A	2. Doing everything you can to reduce the chances of an infectious disease being carried onto your farm by people, animals, equipment, or vehicles.	B. Contact Transmission
B	3. Can include nose-to-nose contact that results in an infection.	C. Aerosol Transmission
D	4. Transmission of disease during the breeding process.	D. Venereal Transmission
E	5. Ingestion of infected manure/bedding or exposure to dirty pen.	E. Fecal Transmission
C	6. Exposure to droplets in the air from an infected animal.	F. Isolation

Section B – Use the Word Bank at the right to fill in blanks. All of the words in the Word Bank will not be used.

- Cleaning equipment and trailers should occur away from the pigs that have not been to a show.
- After you have been to a show use disinfectants to clean your equipment and trailer.
- People and vehicles can carry and transmit pathogens; therefore, protect the health of animals by limiting visitors and vehicle traffic. This is a form of biosecurity.
- Control of wildlife, birds, and other pests is very important as they can transmit many disease.

WORD BANK
Pathogens
Disinfectants
Biosecurity
Control
Show
Cleaning

Hampshire Rams	Type of Birth	Birth Weight	60 day Weight	120 day Weight	Codon 171 Genotype
1	Tw	15 pounds	66	125	QR
2	Tw	10 pounds	68	133	QR
3	Tw	12 pounds	70	135	RR
4	S	20 pounds	65	120	QQ
Flock Averages	Tw	11 pounds	65 pounds	115 pounds	unknown

QQ = scrapie susceptible

RR = scrapie resistant

County_____Answer Key_____

Team Members

Clover Team Breeding Exercise – 2015

Your group is working with Farmer John to help him decide which Hampshire Ram to buy to breed to his commercial ewe flock. His main market is selling fat lambs to a niche market in the Louisville area. He will keep twenty-five percent of the ewe lambs back as replacements. His labor and feed resources are limited. He does not know the current scrapie status of his ewe flock. Using the data on the back side of this sheet, circle your answer to the five questions below and then discuss with the Contest Official why your group selected the ram you did.

[The questions are worth 10 points each for a total of 50 possible points and your discussion with the Official is worth 150 possible points for a grand total of 200 possible points.]

1.) Which Ram did you choose to buy?

1 *2* *3* *4*

2.) Which Ram should sire the fastest performing lambs?

1 *2* *3* *4*

3.) Which Ram would sire the least amount of Scrapie issues?

1 *2* *3* *4*

4.) Which Ram could sire the **most** issues at birth?

1 *2* *3* *4*

5.) Which Ram should sire the least multiple births?

1 *2* *3* *4*