

Name \_\_\_\_\_ **ANSWER KEY** \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Retail Meat Cut Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or 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).**

- |     | <u>Retail<br/>Cut<br/>Name</u> |
|-----|--------------------------------|
| 1.  | <u>8</u>                       |
| 2.  | <u>9</u>                       |
| 3.  | <u>10</u>                      |
| 4.  | <u>7</u>                       |
| 5.  | <u>5</u>                       |
| 6.  | <u>6</u>                       |
| 7.  | <u>4</u>                       |
| 8.  | <u>3</u>                       |
| 9.  | <u>2</u>                       |
| 10. | <u>1</u>                       |

**Retail Names – to be used in answer column 1 by Clovers, Intermediates, and Seniors**

Beef Retail Meat Cuts

1. Ribeye Steak
2. Short Ribs
3. Skirt Steak
4. T-Bone Steak

Lamb Retail Meat Cuts

5. Loin Chop
6. Rib Roast, Boneless

Pork Retail Meat Cuts

7. Arm Picnic Roast
8. Butterfly Chop
9. Fresh Ham Shank Portion
10. Sliced Bacon

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Retail Meat Cut Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or 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).

- |     | <u>Retail<br/>Cut<br/>Name</u> |
|-----|--------------------------------|
| 1.  | _____                          |
| 2.  | _____                          |
| 3.  | _____                          |
| 4.  | _____                          |
| 5.  | _____                          |
| 6.  | _____                          |
| 7.  | _____                          |
| 8.  | _____                          |
| 9.  | _____                          |
| 10. | _____                          |

**Retail Names – to be used in answer column 1 by Clovers, Intermediates, and Seniors**

Beef Retail Meat Cuts

1. Ribeye Steak
2. Short Ribs
3. Skirt Steak
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Lamb Retail Meat Cuts

5. Loin Chop
6. Rib Roast, Boneless

Pork Retail Meat Cuts

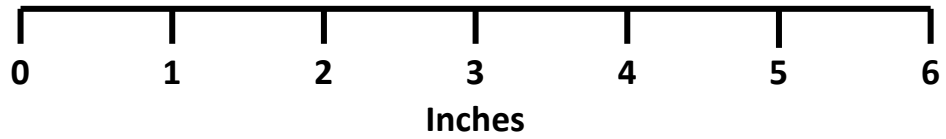
7. Arm Picnic Roast
8. Butterfly Chop
9. Fresh Ham Shank Portion
10. Sliced Bacon

1

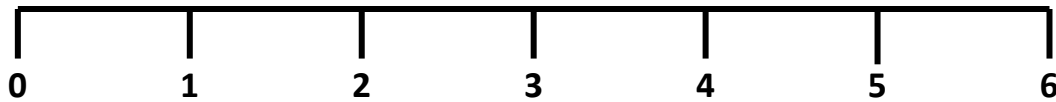


0 1 2 3 4 5 6  
Inches

2



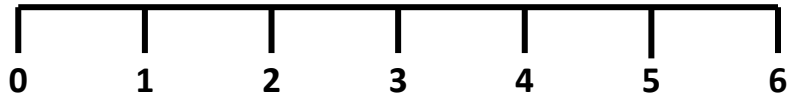
3



Inches

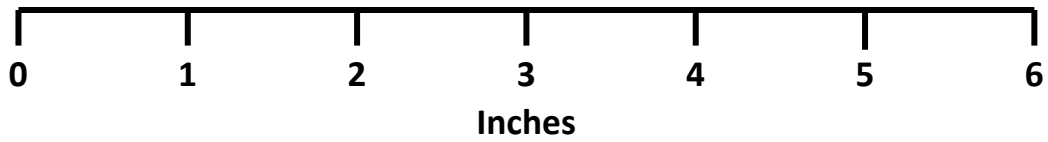


4



Inches

5





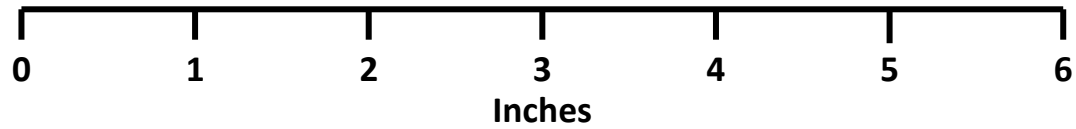
6



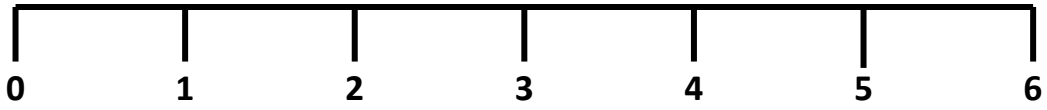
0 1 2 3 4 5 6  
Inches



7

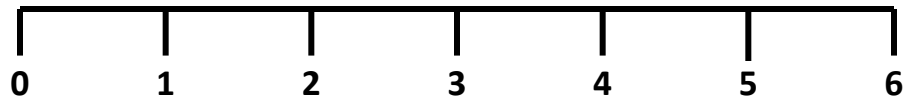


8



Inches

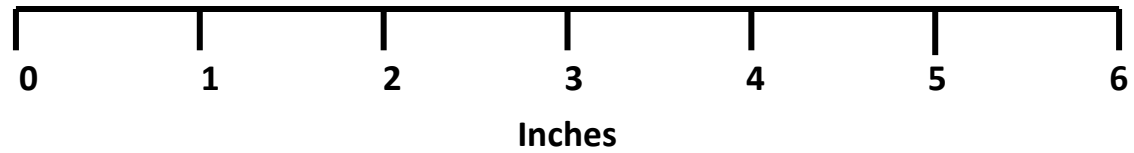
9



Inches



10





Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Feed Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or 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. 1
2. 7
3. 3
4. 4
5. 9
6. 5
7. 2
8. 10
9. 6
10. 8

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

1. Alfalfa Meal (Dehydrated)
2. Barley (whole)
3. Cottonseed (whole)
4. Cracked Shelled Corn
5. Dicalcium Phosphate
6. Dried beet pulp
7. Oats (whole)
8. Peanut Meal
9. Soybeans (whole)
10. Wheat (whole)

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Feed Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or 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**

1. Alfalfa Meal (Dehydrated)
2. Barley (whole)
3. Cottonseed (whole)
4. Cracked Shelled Corn
5. Dicalcium Phosphate
6. Dried beet pulp
7. Oats (whole)
8. Peanut Meal
9. Soybeans (whole)
10. Wheat (whole)

Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Breeds Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or 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. 4
2. 7
3. 6
4. 5
5. 3
6. 1
7. 2
8. 9
9. 8
10. 10

**Breed Names – to be used in answer column 1 by Clovers, Intermediates, and Seniors**

<u>Beef Breeds</u>	<u>Goat Breeds</u>	<u>Sheep Breeds</u>	<u>Swine Breeds</u>
1. Horned Hereford	4. Angora	5. Hampshire	8. Landrace
2. Maine Anjou		6. Horned Dorset	9. Poland China
3. Shorthorn		7. Southdown	10. Spotted

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Breeds Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or letter that indicates your answer for each livestock breed. Use capital letters and write neatly. **Clovers** only provide answers for breed name. (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, Intermediates, and Seniors**

<u>Beef Breeds</u>	<u>Goat Breeds</u>	<u>Sheep Breeds</u>	<u>Swine Breeds</u>
1. Horned Hereford	4. Angora	5. Hampshire	8. Landrace
2. Maine Anjou		6. Horned Dorset	9. Poland China
3. Shorthorn		7. Southdown	10. Spotted



1



2



3



4





5



*Christy Collins*

6



*Christy Collins*

7



*Christy Collins*

8



Wsbes

9





10





Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Equipment Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or letter that indicates your answer for each piece of equipment. Use capital letters and write neatly. **Clovers** will only be asked questions pertaining to the names of livestock equipment. **Each question is worth 5 points (50 points total for Clovers).**

- |     | Equipment Name |
|-----|----------------|
| 1.  | <u>5</u>       |
| 2.  | <u>6</u>       |
| 3.  | <u>3</u>       |
| 4.  | <u>7</u>       |
| 5.  | <u>10</u>      |
| 6.  | <u>9</u>       |
| 7.  | <u>8</u>       |
| 8.  | <u>4</u>       |
| 9.  | <u>2</u>       |
| 10. | <u>1</u>       |

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

#### Livestock Equipment

1. Currycomb
2. Electric Fence Wire Roller
3. Electric Sheep Shears
4. Foot Rot Shears
5. Hand Sheep Shears
6. Nipple Waterer
7. Scotch Comb
8. Syringe Needles
9. Water Heater
10. Wood Post Electric Fence Insulator

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Clover Livestock Equipment Identification-2013

INSTRUCTIONS: For each picture, use the columns on the right to choose the number or letter that indicates your answer for each piece of equipment. Use capital letters and write neatly. **Clovers** will only be asked questions pertaining to the names of livestock equipment. Each question is worth 5 points (50 points total for Clovers).

- |     | Equipment<br>Name |
|-----|-------------------|
| 1.  | _____             |
| 2.  | _____             |
| 3.  | _____             |
| 4.  | _____             |
| 5.  | _____             |
| 6.  | _____             |
| 7.  | _____             |
| 8.  | _____             |
| 9.  | _____             |
| 10. | _____             |

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

#### Livestock Equipment

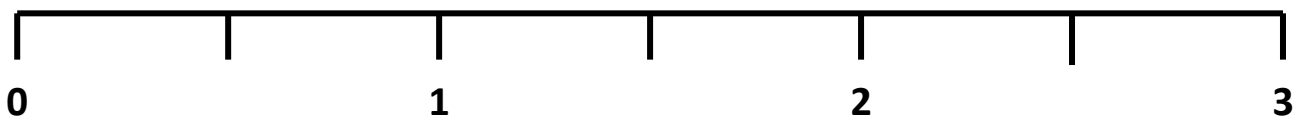
1. Currycomb
2. Electric Fence Wire Roller
3. Electric Sheep Shears
4. Foot Rot Shears
5. Hand Sheep Shears
6. Nipple Waterer
7. Scotch Comb
8. Syringe Needles
9. Water Heater
10. Wood Post Electric Fence Insulator

1



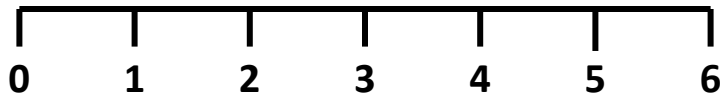
0 1 2 3 4 5 6  
Inches

2



Inches

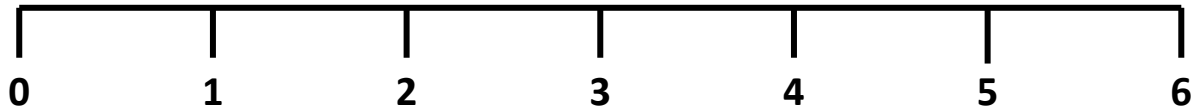
3



Inches

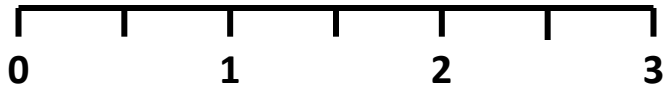


4



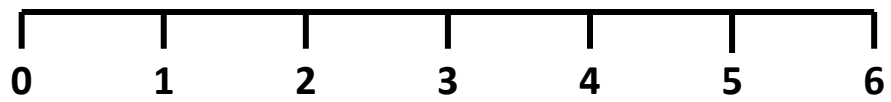
Inches

5



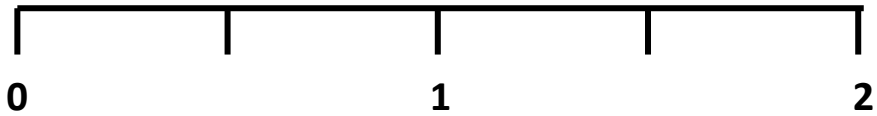
Inches

6



Inches

7



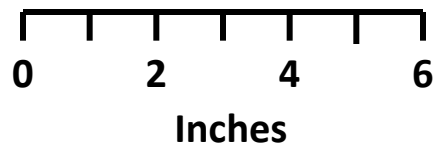
Inches

8

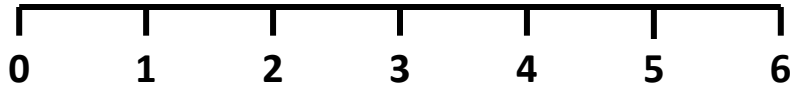




9



10



Inches

# Clover Retail Meat Judging-2013

Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Official Placing 2-3-1-4 Cuts of 4-2-3 (50 points possible)

**Contestant Number** \_\_\_\_\_

**Placing Score** \_\_\_\_\_

*University of Kentucky  
College of Agriculture  
Animal Sciences Department*

**Contestant's Name**

\_\_\_\_\_  
\_\_\_\_\_

**Address**

\_\_\_\_\_  
\_\_\_\_\_

**County**

\_\_\_\_\_

**Class**

  Retail Meat Judging  

A	1 2 3 4	<b>42</b>
B	1 2 4 3	<b>37</b>
C	1 3 2 4	<b>38</b>
D	1 3 4 2	<b>29</b>
E	1 4 2 3	<b>28</b>
F	1 4 3 2	<b>24</b>
G	2 1 3 4	<b>48</b>
H	2 1 4 3	<b>43</b>
I	2 3 1 4	<b>50</b>
J	2 3 4 1	<b>47</b>
K	2 4 1 3	<b>40</b>
L	2 4 3 1	<b>42</b>
M	3 1 2 4	<b>40</b>
N	3 1 4 2	<b>31</b>
O	3 2 1 4	<b>46</b>
P	3 2 4 1	<b>43</b>
Q	3 4 1 2	<b>28</b>
R	3 4 2 1	<b>34</b>
S	4 1 2 3	<b>25</b>
T	4 1 3 2	<b>21</b>
U	4 2 1 3	<b>31</b>
V	4 2 3 1	<b>33</b>
W	4 3 1 2	<b>23</b>
X	4 3 2 1	<b>29</b>

# Clover Retail Meat Judging-2013

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

**Contestant Number** \_\_\_\_\_

**Placing Score** \_\_\_\_\_

*University of Kentucky  
College of Agriculture  
Animal Sciences Department*

**Contestant's Name**

\_\_\_\_\_  
\_\_\_\_\_

**Address**

\_\_\_\_\_  
\_\_\_\_\_

**County**

\_\_\_\_\_

**Class**

\_\_ **Retail Meat Judging** \_\_

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-2013

Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Official Placing 4-3-1-2 Cuts of 2-4-7

**(Placing the Hay is worth a possible of 50 points)**

<b>Contestant Number</b> _____																																																																									
<b>Placing Score</b> _____																																																																									
<i>University of Kentucky College of Agriculture Animal Sciences Department</i>																																																																									
<b>Contestant's Name</b> _____ _____																																																																									
<b>Address</b> _____ _____																																																																									
<b>County</b> _____																																																																									
<b>Class</b> __ Hay Judging __																																																																									
	<table border="1"><tr><td>A</td><td>1 2 3 4</td><td><b>14</b></td></tr><tr><td>B</td><td>1 2 4 3</td><td><b>16</b></td></tr><tr><td>C</td><td>1 3 2 4</td><td><b>25</b></td></tr><tr><td>D</td><td>1 3 4 2</td><td><b>38</b></td></tr><tr><td>E</td><td>1 4 2 3</td><td><b>29</b></td></tr><tr><td>F</td><td>1 4 3 2</td><td><b>40</b></td></tr><tr><td>G</td><td>2 1 3 4</td><td><b>7</b></td></tr><tr><td>H</td><td>2 1 4 3</td><td><b>9</b></td></tr><tr><td>I</td><td>2 3 1 4</td><td><b>11</b></td></tr><tr><td>J</td><td>2 3 4 1</td><td><b>17</b></td></tr><tr><td>K</td><td>2 4 1 3</td><td><b>15</b></td></tr><tr><td>L</td><td>2 4 3 1</td><td><b>19</b></td></tr><tr><td>M</td><td>3 1 2 4</td><td><b>29</b></td></tr><tr><td>N</td><td>3 1 4 2</td><td><b>42</b></td></tr><tr><td>O</td><td>3 2 1 4</td><td><b>22</b></td></tr><tr><td>P</td><td>3 2 4 1</td><td><b>28</b></td></tr><tr><td>Q</td><td>3 4 1 2</td><td><b>48</b></td></tr><tr><td>R</td><td>3 4 2 1</td><td><b>41</b></td></tr><tr><td>S</td><td>4 1 2 3</td><td><b>35</b></td></tr><tr><td>T</td><td>4 1 3 2</td><td><b>46</b></td></tr><tr><td>U</td><td>4 2 1 3</td><td><b>28</b></td></tr><tr><td>V</td><td>4 2 3 1</td><td><b>32</b></td></tr><tr><td>W</td><td>4 3 1 2</td><td><b>50</b></td></tr><tr><td>X</td><td>4 3 2 1</td><td><b>43</b></td></tr></table>	A	1 2 3 4	<b>14</b>	B	1 2 4 3	<b>16</b>	C	1 3 2 4	<b>25</b>	D	1 3 4 2	<b>38</b>	E	1 4 2 3	<b>29</b>	F	1 4 3 2	<b>40</b>	G	2 1 3 4	<b>7</b>	H	2 1 4 3	<b>9</b>	I	2 3 1 4	<b>11</b>	J	2 3 4 1	<b>17</b>	K	2 4 1 3	<b>15</b>	L	2 4 3 1	<b>19</b>	M	3 1 2 4	<b>29</b>	N	3 1 4 2	<b>42</b>	O	3 2 1 4	<b>22</b>	P	3 2 4 1	<b>28</b>	Q	3 4 1 2	<b>48</b>	R	3 4 2 1	<b>41</b>	S	4 1 2 3	<b>35</b>	T	4 1 3 2	<b>46</b>	U	4 2 1 3	<b>28</b>	V	4 2 3 1	<b>32</b>	W	4 3 1 2	<b>50</b>	X	4 3 2 1	<b>43</b>
A	1 2 3 4	<b>14</b>																																																																							
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T	4 1 3 2	<b>46</b>																																																																							
U	4 2 1 3	<b>28</b>																																																																							
V	4 2 3 1	<b>32</b>																																																																							
W	4 3 1 2	<b>50</b>																																																																							
X	4 3 2 1	<b>43</b>																																																																							



# Clover Hay Judging-2013

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

**Contestant Number** \_\_\_\_\_

**Placing Score** \_\_\_\_\_

*University of Kentucky  
College of Agriculture  
Animal Sciences Department*

**Contestant's Name**

\_\_\_\_\_  
\_\_\_\_\_

**Address**

\_\_\_\_\_  
\_\_\_\_\_

**County**

\_\_\_\_\_

**Class**

**Hay Judging** \_\_\_\_\_

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	_____

Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Quality Assurance – Individual – Clover – 2013

You are the owner of a purebred Suffolk sheep operation. Use the **Oxytet 250** label to answer the 5 **questions** below relating to sheep management. **Circle your answers. (5 questions worth 10 points per question for 50 total points)**

1. What is the correct dosage of Oxytet 250 per day for a 200 pound Suffolk ram that has pneumonia?

A.) 3 ml

C.) 9 ml

B.) **6 ml**

D.) 12 ml

2. What is the active ingredient in Oxytet 250?

A.) Chlortetracycline

C.) Penicillin procaine G

B.) **Oxytetracycline**

D.) Sulfamethazine

3. Oxytet 250 is labeled for which other farm animals?

C.) **Swine**

C.) Lactating Dairy Cattle

D.) Horses

D.) Chickens

4. How should Oxytet 250 used?

A.) **Injected in the fleshy neck muscle**

C.) Injected in the loin

B.) Injected under the skin

D.) Mixed in feed

5. Oxytet 250 is also labeled to treat which of the following in sheep?

A.) Mastitis

C.) Wound infections

B.) Foot rot

D.) **Both B and C are correct**

Name \_\_\_\_\_ Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Quality Assurance – Individual – Clover – 2013

You are the owner of a purebred Suffolk sheep operation. Use the **Oxytet 250** label to answer the **5 questions** below relating to sheep management. **Circle your answers.** (10 questions worth 5 points per question for 50 total points)

**1. What is the correct dosage of Oxytet 250 per day for a 200 pound Suffolk ram that has pneumonia?**

A.) 3 ml

C.) 9 ml

B.) 6 ml

D.) 12 ml

**2. What is the active ingredient in Oxytet 250?**

A.) Chlortetracycline

C.) Penicillin procaine G

B.) Oxytetracycline

D.) Sulfamethazine

**3. Oxytet 250 is labeled for which other farm animals?**

C.) Swine

C.) Lactating Dairy Cattle

D.) Horses

D.) Chickens

**4. How should Oxytet 250 used?**

A.) Injected in the fleshy neck muscle

C.) Injected in the loin

B.) Injected under the skin

D.) Mixed in feed

**5. Oxytet 250 is also labeled to treat which of the following in sheep?**

A.) Mastitis

C.) Wound infections

B.) Foot rot

D.) Both B and C are correct

# Oxytet 250

(Oxytetracycline in Aqueous Solution)

## Directions for use: See package insert

For use in Beef Cattle, Swine, Sheep, and Goats

*Read Entire Brochure Carefully Before Using This Product*

### For Intramuscular Use Only

**Active Ingredients:** Oxytet 250 is an effective antimicrobial preparation containing oxytetracycline. Each ml of this suspension contains 250,000 units of oxytetracycline in an aqueous base.

**Indications: Beef Cattle** – pneumonia, bronchitis, mastitis, foot rot, wound infections. **Swine** – pneumonia, mastitis, wound infections: and other bacterial infections caused by or associated with oxytetracycline- susceptible species.

**Sheep and Goats** – pneumonia, foot rot, wound infections

### Recommended Dosage

The usual dose is 3ml per 100 lb of body weight given once daily for 3 days.

Maximum dose is 18 ml/day.

<i>Body Weight</i>	<i>Dosage</i>
<i>100 lb</i>	<i>3 ml</i>
<i>300 lb</i>	<i>9 ml</i>
<i>500 lb</i>	<i>15 ml</i>
<i>600 lb or more</i>	<i>18 ml</i>

**Caution: 1.** Do not mix Oxytet 250 with other injectable solutions as this may cause precipitation of the active ingredients. **2.** Oxytet 250 should be injected deep within the fleshy muscle of the neck. Do not inject this medication in the loin, hip, rump, subcutaneously, intravenously, or near a major nerve because it may cause tissue damage. **3.** If improvement does not occur within 48 hours, the diagnosis should be reconsidered and appropriate treatment initiated. **4.** Treated animals should be closely observed for 30 minutes after treatment. Should an adverse reaction occur, discontinue treatment and immediately administer epinephrine and antihistamines. **5.** Oxytet 250 must be stored between 2° and 8° C (36° to 46° F). Warm to room temperature and shake well before using. Keep refrigerated when not in use.

**Warnings:** The use of this medication in beef cattle, swine, sheep, and goats must be discontinued for 14 days before treated animals are slaughtered for food. Do not use in lactating dairy animals or in calves to be processed for veal.

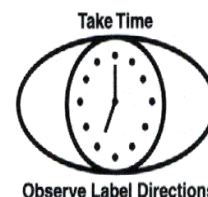
**How Supplied:** Oxytet 250 is available in 10 ml, 50 ml or 100 ml vials.

### Manufactured for:

Bluegrass Veterinarian Supply, Inc.

PO Box 271

Princeton, KY 42445



# Clover-Quiz-2013

*Circle the correct answer to the question.*

**(Each question is worth 2 points each for a total of 50 points)**

1.) \_\_\_\_\_ are the “building blocks” of proteins.

- a. Carbohydrates
- b. **Amino Acids**
- c. Fats
- d. Vitamins

2.) Which is a USDA Quality Grade?

- a. **Prime**
- b. Good
- c. Average
- d. Poor

3.) The term “cowhocked” refers to what condition?

- a. Too little set to the hocks
- b. Too much set to the hocks
- c. Swelling on the hocks
- d. **Hocks turn in**

4.) Which should help prevent diseases in a swine operation?

- a. Vaccinate animals
- b. Keep buildings clean
- c. separate new breeding stock from the herd
- d. **All of these**

5.) Which one of these feeds would a mature beef cow be able to eat the most of?

- a. **Alfalfa/Orchardgrass Pasture**
- b. Mature Tall Fescue Hay
- c. Weathered Corn Stalks
- d. Trace Mineral Block

6.) Which ram would be the best choice as a terminal sire for a flock of whiteface crossbred ewes?

- a. **Hampshire ram**
- b. Columbia ram
- c. Polypay ram
- d. Rambouillet ram

7.) Which of the following might cause scours in a herd of meat goats?

- a. Change in a feed ration
- b. Parasites
- c. Coccidiosis
- d. **All of the above**

8.) Which is a ruminant?

- a. Beef cow
- b. Market hog
- c. Ewe lamb
- d. **Both a and c are correct**

9.) Which is a medium wool breed of sheep?

- a. **Polled Dorset**
- b. Rambouillet
- c. Katahdin
- d. Dorper

10.) Which animal is mostly likely to have IBR (Infectious Bovine Rhinotracheitis)?

- a. **A feeder calf**
- b. A market hog
- c. A feeder pig
- d. None of these

11.) Which one of the following hormones maintains pregnancy in farm animals?

- a. Estrogen
- b. **Progesterone**
- c. Prostaglandin
- d. Testosterone

12.) Which is an USDA Yield Grade?

- a. **USDA Yield Grade 1**
- b. USDA Yield Grade 10
- c. USDA Good
- d. USDA Average

13.) Which management practices are performed on baby lambs?

- a. Dock tails
- b. Clip needle teeth
- c. Castrate ram lambs
- d. **Both a and c**

14.) Which of the following products would be used to deworm beef cattle?

- a. Feed grade fat
- b. Antibiotic
- c. Vitamin E
- d. **None of these**



15.) The North American International Livestock Exposition is located where?

- a. Houston
- b. **Louisville**
- c. Denver
- d. Kansas City

16.) Which of the following is not an energy feed?

- a. **Fish meal**
- b. Barley
- c. Steam flaked corn
- d. Soybean hulls

17.) Overeating disease or enterotoxemia usually occurs, how?

- a. Sudden death of newborn pigs caused by scours
- b. **Sudden death of a feedlot lamb placed on a high energy feed ration**
- c. Sudden death of a mature cow due to weather stress
- d. None of these

18.) Which one of these Continental breeds of cattle is more maternally oriented?

- a. Angus
- b. Limousin
- c. Brahman
- d. **Simmental**

19.) If you breed a Horned Hereford bull to a herd of purebred Angus cows, how many of the calves should have horns?

- a. All of the calves should have horns
- b. About half of the calves should have horns
- c. About  $\frac{1}{4}$  of the calves should have horns
- d. **None of the calves should have horns**

20.) Which forage should be the highest quality?

- a. **Alfalfa Hay**
- b. Corn Stalks
- c. Tall Fescue Hay
- d. Both b and c are correct

21.) Why would you feed an ionophore to a meat goat?

- a. **To prevent coccidiosis**
- b. To treat a virus
- c. To improve conception rates
- d. To treat a bacteria

22.) Which of the following is considered a by-product feed?

- a. Corn Gluten Feed
- b. Soybean Hull Pellets
- c. Distillers Dried Grains
- d. **All of these are by-product feeds**

23.) Which wholesale cut of beef should have the highest value retail cuts?

- a. The shank
- b. **The loin**
- c. The chuck
- d. The round

24.) The period of time from conception to calving is called\_\_\_\_\_?

- a. **Gestation**
- b. Lactation
- c. Generation interval
- d. Postpartum interval

25.) Which of the following beef cattle diseases or disorders may reduce performance of calves in the feedlot?

- a. Bloat
- b. Shipping Fever
- c. Foot Rot
- d. **All of the above**

# Clover Quiz-2013

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**[OVER]**

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# Clover Quality Assurance Exercise-Team-2013

## County\_\_\_\_\_ANSWER KEY\_\_\_\_\_

Your team manages a large, progressive farrow-to-finish swine operation. Use the **Paylean® 9** label to answer the questions below relating to swine nutrition and management. **(Each question is worth 20 points each for a total of 200 points)**

1.) What is the active drug ingredient?

- a.) Paylean
- b.) Ground Corncobs
- c.) Chlortetracycline
- d.) **Ractopamine Hydrochloride**

2.) How should this product be used?

- a.) **Mixed in a complete feed and fed to finishing pigs weighing at least 150 pounds**
- b.) Mixed in a complete feed and fed to baby pigs until weaning
- c.) Mixed in a complete feed and fed to gestating sows
- d.) Mixed in a complete feed and fed to mature boars

3.) This product will help to treat which disease?

- a.) Bacterial infections
- b.) PRRS
- c.) Foot rot
- d.) **None of these**

4.) The complete feed ration that contains this product should be at least \_\_\_\_\_ crude protein?

- a.) 12%
- b.) 14%
- c.) **16%**
- d.) 18%

5.) This product should do which of the following?

- a.) Decrease Loin Eye Area
- b.) **Increase Loin Eye Area**
- c.) Increase Backfat
- d.) Both a and c are correct

[OVER]

6.) Who is this product manufactured for?

- a.) Bluegrass Animal Health
- b.) **Elanco Animal Health**
- c.) Rising Sun Veterinarian Supply
- d.) The label does not tell us

7.) If you mix 100 pounds of Paylean® 9 in 1 ton of feed what is the concentration of the active drug ingredient in that ton of feed?

- a.) **900 grams per ton**
- b.) 2700 grams per ton
- c.) 3600 grams per ton
- d.) The mixing chart does not tell us

8.) What is the concentration of the active drug ingredient in Paylean® 9?

- a.) 20 grams per kilogram
- b.) 9 grams per pound
- c.) 11.34 kilograms per pound
- d.) **Both a and b are correct**

9.) Which statement is true?

- a.) **This product may increase injured and/or fatigued pigs during marketing**
- b.) This product may be fed undiluted to breeding gilts
- c.) This product has a withdrawal of 28 days before slaughter
- d.) All these statements are true

10.) When mixing or handling this product you should do which of the following?

- a.) Only let your veterinarian handle this product for you
- b.) **Wear protective clothing, impervious gloves, protective eye wear and a NIOSH-approved dust mask**
- c.) Wrap your bandana over your mouth to keep any dust out
- d.) No special care needs to be taken

# Clover Quality Assurance Exercise-Team-2013

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- d.) No special care needs to be taken

For Use in Finishing Swine Feeds Only

# Paylean® 9

**Ractopamine Hydrochloride**

\*

**Net Weight 25 lbs (11.34 kg)**

**Type A Medicated Article**

Do not feed undiluted.

**Active Drug Ingredient:** ractopamine hydrochloride - 9 g per lb (20 g per kg)

**Important:** Must be thoroughly mixed into feeds before use. Follow label directions.

**Indication:** For increased rate of weight gain, improved feed efficiency and increased carcass leanness in finishing swine, weighing not less than 150 lbs, fed a complete ration containing at least 16% crude protein for the last 45 to 90 lbs of gain prior to slaughter.

Appropriate Concentration of Ractopamine in Type C Medicated Feed	
4.5 to 9.0 g/ton* (5 to 10 ppm)	
* No increased benefit has been shown when ractopamine concentrations in the diet are greater than 4.5 g/ton (5 ppm).	

**Inert Ingredients:** Ground corncobs.

Variable	Last 45 lbs of body weight gain		Last 90 lbs of body weight gain	
	4.5 g/ton ractopamine	9.0 g/ton ractopamine	4.5 g/ton ractopamine	9.0 g/ton ractopamine
Carcass Fat	↓	↓	↓	↓
10th Rib Backfat (3/4 location)	NC	NC	NC	NC
Last Rib Backfat (midline)	NC	NC	NC	NC
Loin Eye Area (10th Rib)	↑	↑	↑	↑
Rate of Lean Gain	↑	↑	↑	↑
Efficiency of Lean Gain	↑	↑	↑	↑
Dressing Percentage	NC	↑	↑	↑

NC= No Change, ↑ = increased, ↓ = decreased,  
\* Improvement was observed only in pigs weighing less than 250 lbs.

**Mixing Directions:** Thoroughly mix Paylean 9 Type A Medicated Article into one ton of appropriate feed ingredients according to the table below to obtain the proper concentration in the Type B Medicated Feed (maximum 4920 g/ton).

The following table gives examples of how some Type B Medicated Feed concentrations can be prepared:

Pounds of Paylean 9 To Add Per Ton To Make a Type B Medicated Feed	Resulting Ractopamine Concentration in Type B Medicated Feed	
	grams/ton	grams/pound
100	900	0.45
200	1,800	0.90
300	2,700	1.35
400	3,600	1.80

Thoroughly mix Paylean 9 Type A Medicated Article into one ton of complete swine feed according to the table below to obtain the proper concentration in the Type C Medicated Feed. Prepare an intermediate pre-blend of the premix prior to mixing in a complete feed. Thoroughly mix the required amount in a convenient quantity of feed ingredients, then add to the remaining feed ingredients to make a ton of complete feed.

Pounds of Paylean 9 To Add Per Ton of Type C Medicated Feed	Resulting Ractopamine Concentration in Type C Medicated Feed
0.5	4.5 grams/ton (5 ppm)
1.0	9 grams/ton (10 ppm)

**Feeding Directions:** Feed continuously as the sole ration to finishing swine weighing not less than 150 lbs for the last 45 to 90 lbs (group average) of weight gain prior to slaughter.

**CAUTION:** Ractopamine may increase the number of injured and/or fatigued pigs during marketing.

Not for use in breeding swine.

**NOT FOR HUMAN USE**

**WARNING:** The active ingredient in Paylean, ractopamine hydrochloride, is a beta-adrenergic agonist. Individuals with cardiovascular disease should exercise special caution to avoid exposure. Not for use in humans. Keep out of the reach of children. The Paylean 9 formulation (Type A Medicated Article) poses a low dust potential under usual conditions of handling and mixing. When mixing and handling Paylean, use protective clothing, impervious gloves, protective eye wear, and a NIOSH-approved dust mask. Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse eyes thoroughly with water. If irritation persists, seek medical attention. The material safety data sheet contains more detailed occupational safety information. To report adverse effects, access medical information, or obtain additional product information, call 1-800-428-4441.

Store at room temperature. Avoid Moisture.  
Expiration Date and Lot Number are printed on the bag. Not to be used after the expiry date.

**Restricted Drug (California) - Use Only as Directed - NADA # 140-863, Approved by FDA**

Manufactured for: **Elanco Animal Health**  
A Division of Eli Lilly and Company  
Indianapolis, IN 46285, USA

**Paylean® 9**



To report adverse effects, access medical information, or obtain additional product information, call 1-800-428-4441.

\*Elanco®, Paylean® and the diagonal color bar are trademarks of Eli Lilly and Company.  
BG5004DEAMB (V04-06-2007)

Clover Team Breeding Exercise-2013 County\_\_\_\_\_ **ANSWER KEY**\_\_\_\_\_

You are the managers of a commercial beef operation that consists of 100 Commercial Angus cows. You have been using Angus bulls for several years and keeping the heifers, so most all of the cows in the herd are mostly Angus. Your primary market has been selling feeder calves at weaning, but the weaning weights are not where you want them to be (average of around 510 pounds).

It is time to replace one (1) of your herd bulls. You will continue to sell feeder calves and keep some of the heifers for replacements.

Your team's assignment is to rank the four bulls as you would buy them to use on your herd of Commercial Angus cows. Below are some goals and information about the operation

- 1.) Increase weaning weights
- 2.) Produce high quality replacement heifers
- 3.) The feed and labor supply of the operation is average. Feed consists of pasture in the spring, summer, and fall and round bales of tall fescue hay when no pasture is available.
- 4.) The bull you buy will only be bred to mature cows

After your team has ranked the four bulls, answer the 5 questions, and explain to the contest official why you ranked the bulls the way you did.



# EPD's for the Bulls

## Hereford Bulls

Bull #	Breed	Calving Ease	Weaning Weight	Yearling Weight	Maternal Calving Ease	Maternal Milk	Marbling	Ribeye Area
1	Hereford	+4.4	+38	+51	+1.5	+18	+0.09	+0.22
2	Hereford	-2.5	+40	+59	+0.1	+11	+0.25	-0.02
<b>Breed Average</b>	—	<b>+2.8</b>	<b>+27</b>	<b>+47</b>	<b>+0.9</b>	<b>+16</b>	<b>+0.02</b>	<b>+0.12</b>

## Simmental Bulls

Bull #	Breed	Calving Ease	Weaning Weight	Yearling Weight	Maternal Calving Ease	Milk	Stayability	Marbling	Ribeye Area
3	Simmental	+9	+45	+59	+5	+15	+2	+0.23	-0.05
4	Simmental	+10	+49	+62	+7	+7	+22	+0.18	+0.19
<b>Breed Average</b>	—	<b>+7</b>	<b>+32</b>	<b>+58</b>	<b>+3</b>	<b>+4</b>	<b>+18</b>	<b>+0.15</b>	<b>+0.10</b>

**Circle the bull's number and breed that answers the questions.**

**(Correctly ranking the bulls is worth 50 points. The 5 questions are worth 10 points each for a total of 50 points, making the written portion worth a total of 100 points. The oral portion is worth 100 points for a Grand Total of 200 points)**

How did your team rank the bulls?

1<sup>st</sup>   **4**  

2<sup>nd</sup>   **1**  

3<sup>rd</sup>   **3**  

4<sup>th</sup>   **2**  

### **Cuts of 2-7-3**

1) Which bull is the most above his breed average for Milk EPD?

**1-Hereford**      **2-Hereford**      **3-Simmental**      **4-Simmental**

2) Which British breed bull is stouter and more rugged in his design?

**1-Hereford**      **2-Hereford**      **3-Simmental**      **4-Simmental**

3) Which Simmental bull has the most balanced set of EPDs?

**1-Hereford**      **2-Hereford**      **3-Simmental**      **4-Simmental**

4) Which Continental breed bull has the lowest maintenance look or phenotype?

**1-Hereford**      **2-Hereford**      **3-Simmental**      **4-Simmental**

5) Which Hereford bull should sire the calves with higher USDA Quality Grade carcasses?

**1-Hereford**      **2-Hereford**      **3-Simmental**      **4-Simmental**

# Clover Breeding/Marketing Team-2013

Name ANSWER KEY Contestant # \_\_\_\_\_ County \_\_\_\_\_

## Official Placing 4-1-3-2 Cuts of 2-7-3

<b>Contestant Number</b> _____																																																																									
<b>Placing Score</b> _____																																																																									
<i>University of Kentucky College of Agriculture Animal Sciences Department</i>																																																																									
<b>Contestant's Name</b> _____ _____																																																																									
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<b>Class</b> __ <b>Team Breeding</b> __																																																																									
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## Clover Team Breeding Exercise-2013 County\_\_\_\_\_

You are the managers of a commercial beef operation that consists of 100 Commercial Angus cows. You have been using Angus bulls for several years and keeping the heifers, so most all of the cows in the herd are mostly Angus. Your primary market has been selling feeder calves at weaning, but the weaning weights are not where you want them to be (average of around 510 pounds).

It is time to replace one (1) of your herd bulls. You will continue to sell feeder calves and keep some of the heifers for replacements.

Your team's assignment is to rank the four bulls as you would buy them to use on your herd of Commercial Angus cows. Below are some goals and information about the operation

- 1.) Increase weaning weights
- 2.) Produce high quality replacement heifers
- 3.) The feed and labor supply of the operation is average. Feed consists of pasture in the spring, summer, and fall and round bales of tall fescue hay when no pasture is available.
- 4.) The bull you buy will only be bred to mature cows

After your team has ranked the four bulls, answer the 5 questions, and explain to the contest official why you ranked the bulls the way you did.

**(EPDs on back)**

# EPD's for the Bulls

## Hereford Bulls

Bull #	Breed	Calving Ease	Weaning Weight	Yearling Weight	Maternal Calving Ease	Maternal Milk	Marbling	Ribeye Area
1	Hereford	+4.4	+38	+51	+1.5	+18	+0.09	+0.22
2	Hereford	-2.5	+40	+59	+0.1	+11	+0.25	-0.02
<b>Breed Average</b>	—	<b>+2.8</b>	<b>+27</b>	<b>+47</b>	<b>+0.9</b>	<b>+16</b>	<b>+0.02</b>	<b>+0.12</b>

## Simmental Bulls

Bull #	Breed	Calving Ease	Weaning Weight	Yearling Weight	Maternal Calving Ease	Milk	Stayability	Marbling	Ribeye Area
3	Simmental	+9	+45	+59	+5	+15	+2	+0.23	-0.05
4	Simmental	+10	+49	+62	+7	+7	+22	+0.18	+0.19
<b>Breed Average</b>	—	<b>+7</b>	<b>+32</b>	<b>+58</b>	<b>+3</b>	<b>+4</b>	<b>+18</b>	<b>+0.15</b>	<b>+0.10</b>

**Circle the bull's number and breed that answers the questions.**

(Correctly ranking the bulls is worth 50 points. The 5 questions are worth 10 points each for a total of 50 points, making the written portion worth a total of 100 points. The oral portion is worth 100 points for a Grand Total of 200 points)

How did your team rank the bulls?

**1<sup>st</sup>** \_\_\_\_\_

**2<sup>nd</sup>** \_\_\_\_\_

**3<sup>rd</sup>** \_\_\_\_\_

**4<sup>th</sup>** \_\_\_\_\_

1) Which bull is the most above his breed average for Milk EPD?

**1-Hereford**

**2-Hereford**

**3-Simmental**

**4-Simmental**

2) Which British breed bull is stouter and more rugged in his design?

**1-Hereford**

**2-Hereford**

**3-Simmental**

**4-Simmental**

3) Which Simmental bull has the most balanced set of EPDs?

**1-Hereford**

**2-Hereford**

**3-Simmental**

**4-Simmental**

4) Which Continental breed bull has the lowest maintenance look or phenotype?

**1-Hereford**

**2-Hereford**

**3-Simmental**

**4-Simmental**

5) Which Hereford bull should sire the calves with higher USDA Quality Grade carcasses?

**1-Hereford**

**2-Hereford**

**3-Simmental**

**4-Simmental**





***Bull # 1 - Hereford***



***Bull # 2 - Hereford***



***Bull # 3 - Simmental***





***Bull # 4 - Simmental***