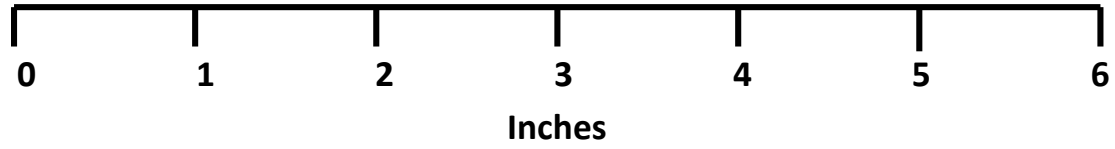
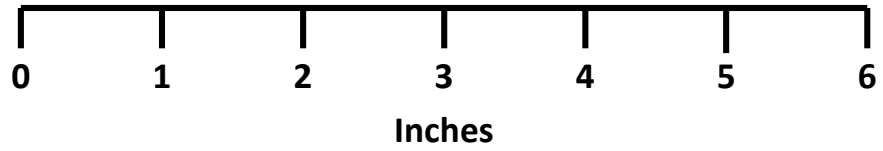


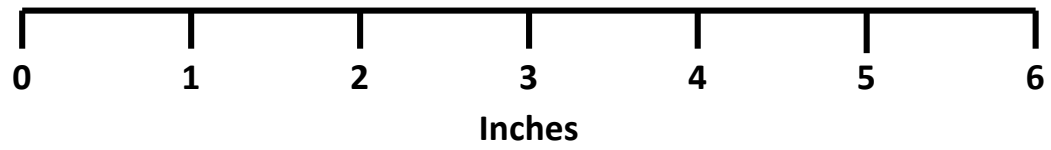
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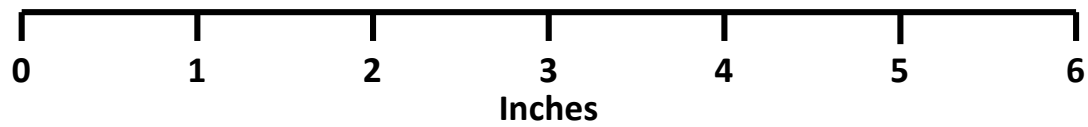
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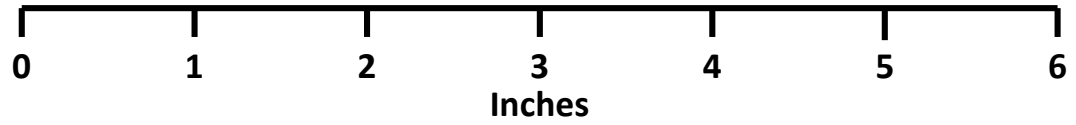
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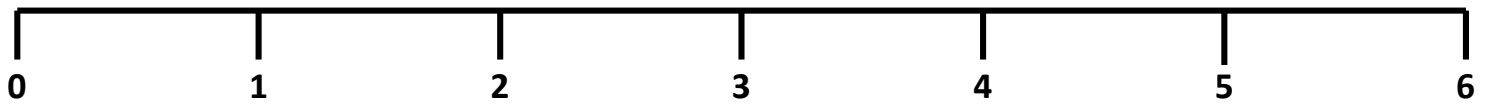
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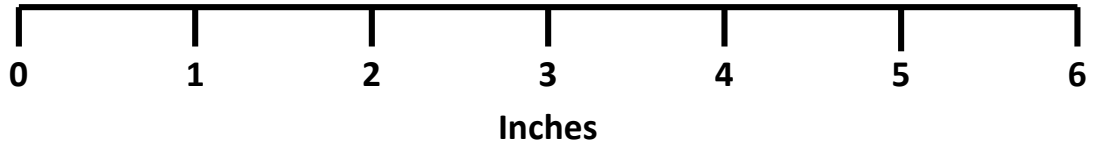


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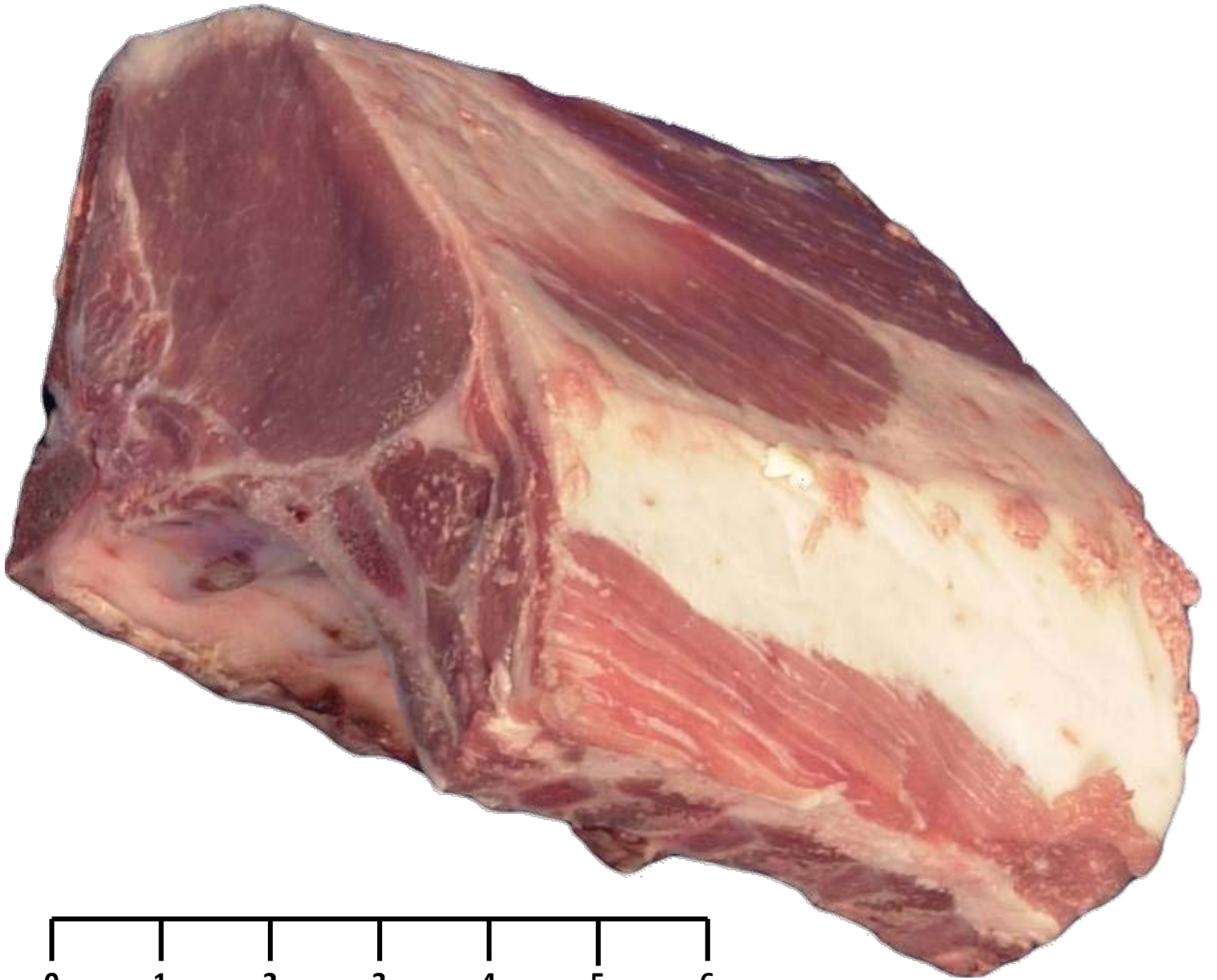


Inches

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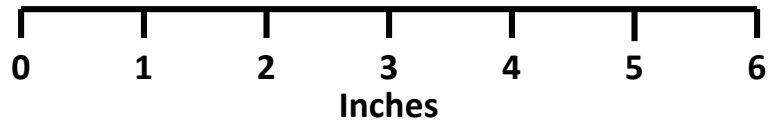
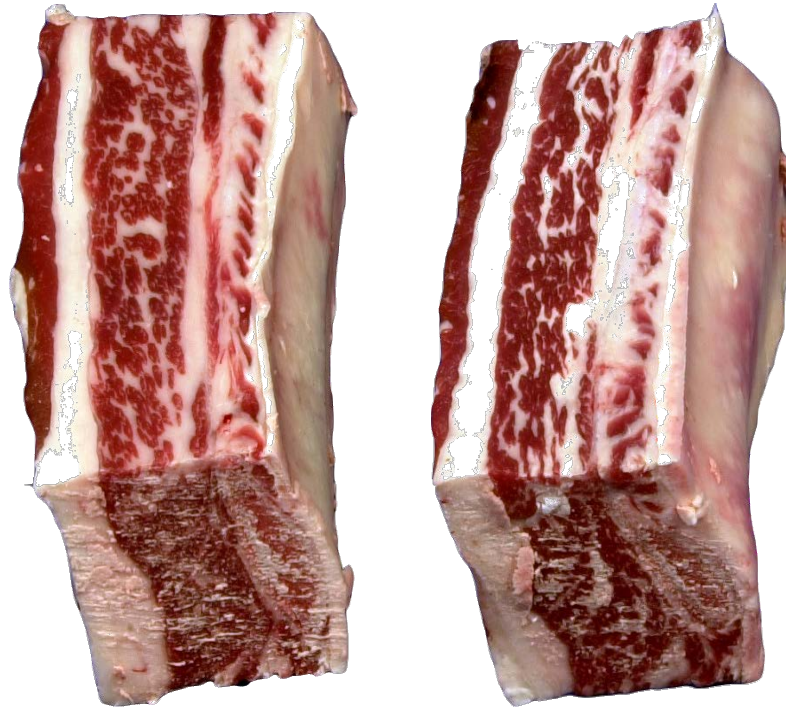
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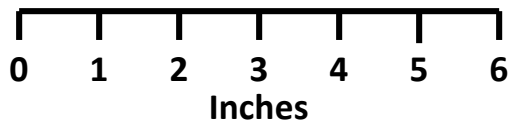
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Inches

9



10



Intermediate Retail Meat Cut Identification – 2015

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. **Intermediates** provide answers for retail cut name and species of cut. Each question is worth 5 points (100 points total for Intermediates).

	<u>Retail Cut Name</u>	<u>Species of Cut</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

Retail Names – to be used in answer column 1 Intermediates

Beef Retail Meat Cuts

1. Beef for stew	17. Sirloin steak, shell	32. Bottom round roast
2. Brisket, point half	18. Sirloin steak, boneless	33. Bottom round steak
3. Brisket, whole	19. Tenderloin steak	34. Eye round roast
4. Arm roast	20. Porterhouse steak	35. Eye round steak
5. Arm roast, boneless	21. T-bone steak	36. Heel of round roast
6. Arm steak	22. Top loin steak	37. Rump roast, boneless
7. Arm steak, boneless	23. Top loin steak, boneless	38. Round steak
8. Blade roast	24. Short ribs	39. Round Steak, boneless
9. Blade steak	25. Skirt steak	40. Tip roast
10. 7-bone roast	26. Rib roast, large end	41. Tip roast, cap off
11. 7-bone steak	27. Rib roast, small end	42. Tip steak
12. Flank steak	28. Rib steak, small end	43. Tip steak, cap off
13. Sirloin steak, flat bone	29. Rib steak, small end, boneless	44. Top round roast
14. Sirloin steak, pin bone	30. Ribeye roast	45. Top round steak
15. Sirloin steak, round bone	31. Ribeye steak	46. Cross cuts
16. Sirloin steak, wedge bone		47. Cross cuts, boneless

Lamb Retail Meat Cuts

48. Breast	54. Sirloin chop	60. Rib roast
49. Breast riblets	55. Leg sirloin half	61. Rib roast, boneless
50. American style roast	56. Loin chop	62. Shanks
51. Leg Center slice	57. Loin double chop	63. Blade chop
52. French style roast	58. Loin roast	64. Neck slice
53. Leg shank half	59. Rib chop	65. Shoulder square cut

Pork Retail Meat Cuts

66. Fresh ham center slice	73. Center rib roast	80. Arm roast
67. Fresh ham rump portion	74. Center loin roast	81. Arm steak
68. Fresh ham shank portion	75. Loin chop	82. Blade Boston roast
69. Fresh side pork	76. Rib chop	83. Sliced bacon
70. Blade chop	77. Sirloin chop	84. Smoked jowl
71. Blade roast	78. Top loin chop	85. Smoked Canadian Style Bacon
72. Butterfly chop	79. Arm picnic roast	

Species of Cut – to be used in answer column 2 by Intermediates

(You may use the letter more than once!!)

B. Beef	L. Lamb	P. Pork
---------	---------	---------

Intermediate Retail Meat Cut Identification – 2015

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. **Intermediates** provide answers for retail cut name and species of cut. Each question is worth 5 points (100 points total for Intermediates).

	<u>Retail Cut Name</u>	<u>Species of Cut</u>
1.	<u>31</u>	<u>B</u>
2.	<u>66</u>	<u>P</u>
3.	<u>57</u>	<u>L</u>
4.	<u>1</u>	<u>B</u>
5.	<u>63</u>	<u>L</u>
6.	<u>77</u>	<u>P</u>
7.	<u>3</u>	<u>B</u>
8.	<u>73</u>	<u>P</u>
9.	<u>24</u>	<u>B</u>
10.	<u>60</u>	<u>L</u>

Retail Names – to be used in answer column 1 **Intermediates**

Beef Retail Meat Cuts

- | | | |
|-------------------------------|------------------------------------|---------------------------|
| 1. Beef for stew | 17. Sirloin steak, shell | 32. Bottom round roast |
| 2. Brisket, point half | 18. Sirloin steak, boneless | 33. Bottom round steak |
| 3. Brisket, whole | 19. Tenderloin steak | 34. Eye round roast |
| 4. Arm roast | 20. Porterhouse steak | 35. Eye round steak |
| 5. Arm roast, boneless | 21. T-bone steak | 36. Heel of round roast |
| 6. Arm steak | 22. Top loin steak | 37. Rump roast, boneless |
| 7. Arm steak, boneless | 23. Top loin steak, boneless | 38. Round steak |
| 8. Blade roast | 24. Short ribs | 39. Round Steak, boneless |
| 9. Blade steak | 25. Skirt steak | 40. Tip roast |
| 10. 7-bone roast | 26. Rib roast, large end | 41. Tip roast, cap off |
| 11. 7-bone steak | 27. Rib roast, small end | 42. Tip steak |
| 12. Flank steak | 28. Rib steak, small end | 43. Tip steak, cap off |
| 13. Sirloin steak, flat bone | 29. Rib steak, small end, boneless | 44. Top round roast |
| 14. Sirloin steak, pin bone | 30. Ribeye roast | 45. Top round steak |
| 15. Sirloin steak, round bone | 31. Ribeye steak | 46. Cross cuts |
| 16. Sirloin steak, wedge bone | | 47. Cross cuts, boneless |

Lamb Retail Meat Cuts

- | | | |
|--------------------------|----------------------|-------------------------|
| 48. Breast | 54. Sirloin chop | 60. Rib roast |
| 49. Breast riblets | 55. Leg sirloin half | 61. Rib roast, boneless |
| 50. American style roast | 56. Loin chop | 62. Shanks |
| 51. Leg Center slice | 57. Loin double chop | 63. Blade chop |
| 52. French style roast | 58. Loin roast | 64. Neck slice |
| 53. Leg shank half | 59. Rib chop | 65. Shoulder square cut |

Pork Retail Meat Cuts

- | | | |
|-----------------------------|-----------------------|------------------------|
| 66. Fresh ham center slice | 73. Center rib roast | 80. Arm roast |
| 67. Fresh ham rump portion | 74. Center loin roast | 81. Arm steak |
| 68. Fresh ham shank portion | 75. Loin chop | 82. Blade Boston roast |
| 69. Fresh side pork | 76. Rib chop | 83. Sliced bacon |
| 70. Blade chop | 77. Sirloin chop | 84. Smoked jowl |
| 71. Blade roast | 78. Top loin chop | 85. Smoked Canadian |
| 72. Butterfly chop | 79. Arm picnic roast | Style Bacon |

Species of Cut – to be used in answer column 2 by **Intermediates**

(You may use the letter more than once!!)

B. Beef

L. Lamb

P. Pork

Name _____ Contestant # _____ County _____

Intermediate Livestock Feed Identification-2015

INSTRUCTIONS: For each sample, 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. **Intermediates** provide answers for feedstuff name and nutrient group. Each question is worth 5 points (100 points total for Intermediates).

	Feedstuff Name	Nutrient Group
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

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

- | | | |
|---|--------------------------------|-------------------------------|
| 1. Alfalfa cubes | 25. Grain sorghum (whole) | 51. Soybean meal |
| 2. Alfalfa meal (dehydrated) | 26. Ground ear corn | 52. Soybeans (whole) |
| 3. Barley (whole) | 27. Ground limestone | 53. Spray-dried animal plasma |
| 4. Blood meal | 28. Ground shelled corn | 54. Spray-dried whey |
| 5. Brewers dried grain | 29. Kentucky Bluegrass pasture | 55. Steam flaked corn |
| 6. Canola meal | 30. L-lysine HCl | 56. Steam rolled barley |
| 7. Copper sulfate | 31. L-threonine | 57. Steam rolled oats |
| 8. Corn distillers dried grain | 32. L-tryptophan | 58. Steamed bone meal |
| 9. Corn distillers dried grain with soluble | 33. Linseed meal | 59. Sunflower meal |
| 10. Corn gluten feed | 34. Liquid molasses | 60. Tall Fescue hay |
| 11. Corn gluten meal | 35. Meat and bone meal | 61. Tall Fescue pasture |
| 12. Cottonseed (whole) | 36. Millet (whole) | 62. Timothy hay |
| 13. Cottonseed hulls | 37. Oats (whole) | 63. Timothy pasture |
| 14. Cottonseed meal | 38. Oat hulls | 64. Trace-mineral premix |
| 15. Cracked shelled corn | 39. Orchardgrass hay | 65. Trace-mineralized salt |
| 16. Crimped oats | 40. Orchardgrass pasture | 66. Triticale (whole) |
| 17. Defluorinated rock phosphate | 41. Oyster shells | 67. Tryptosine |
| 18. Dicalcium phosphate | 42. Peanut meal | 68. Urea |
| 19. DL-methionine | 43. Red Clover hay | 69. Vegetable oil |
| 20. Dried Beet pulp | 44. Red Clover pasture | 70. Vitamin premix |
| 21. Dried molasses | 45. Roller dried whey | 71. Wheat (whole) |
| 22. Dried skim milk | 46. Rye (whole) | 72. Wheat bran |
| 23. Feather meal | 47. Salt, white | 73. Wheat middlings |
| 24. Fish meal | 48. Santoquin | 74. White Clover hay |
| | 49. Shelled corn | 75. White Clover pasture |
| | 50. Soybean hulls | |

Feeds Nutrient Groups – to be used in answer column 2 by Intermediates

(You may use the letter more than once!!)

- | | | |
|--------------------------|------------|------------|
| B. By-product feed | M. Mineral | V. Vitamin |
| C. Carbohydrate (energy) | P. Protein | |
| F. Fats (energy) | | |

Name _____ ANSWER KEY _____ Contestant # _____ County _____

Intermediate Livestock Feed Identification-2015

INSTRUCTIONS: For each sample, 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. **Intermediates** provide answers for feedstuff name and nutrient group. Each question is worth 5 points (100 points total for Intermediates).

	Feedstuff Name	Nutrient Group
1.	<u>26</u>	<u>C</u>
2.	<u>15</u>	<u>C</u>
3.	<u>13</u>	<u>C</u>
4.	<u>18</u>	<u>M</u>
5.	<u>25</u>	<u>C</u>
6.	<u>34</u>	<u>C</u>
7.	<u>37</u>	<u>C</u>
8.	<u>47</u>	<u>M</u>
9.	<u>51</u>	<u>P</u>
10.	<u>70</u>	<u>V</u>

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

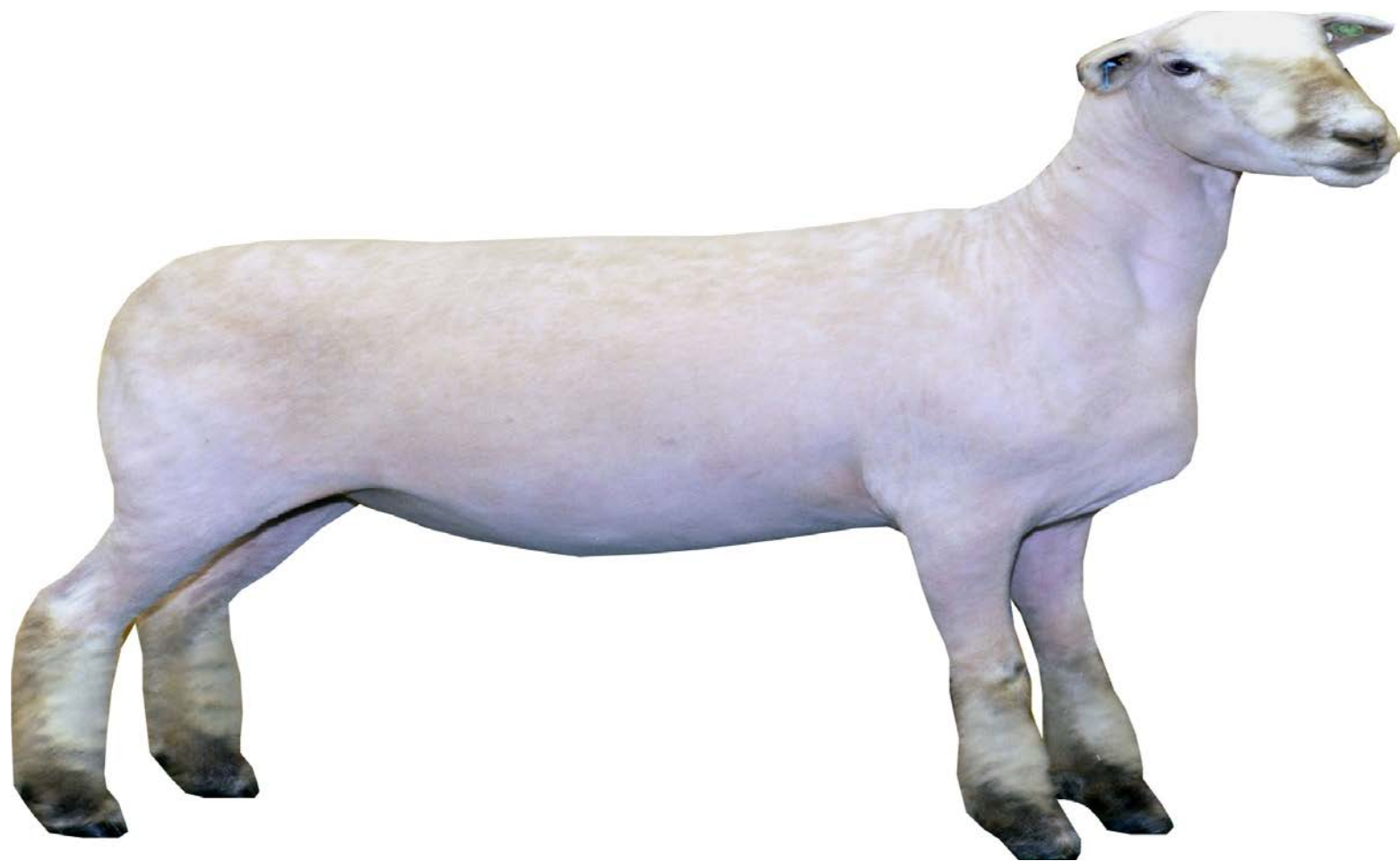
- | | | |
|---|--------------------------------|-------------------------------|
| 1. Alfalfa cubes | 25. Grain sorghum (whole) | 51. Soybean meal |
| 2. Alfalfa meal (dehydrated) | 26. Ground ear corn | 52. Soybeans (whole) |
| 3. Barley (whole) | 27. Ground limestone | 53. Spray-dried animal plasma |
| 4. Blood meal | 28. Ground shelled corn | 54. Spray-dried whey |
| 5. Brewers dried grain | 29. Kentucky Bluegrass pasture | 55. Steam flaked corn |
| 6. Canola meal | 30. L-lysine HCl | 56. Steam rolled barley |
| 7. Copper sulfate | 31. L-threonine | 57. Steam rolled oats |
| 8. Corn distillers dried grain | 32. L-tryptophan | 58. Steamed bone meal |
| 9. Corn distillers dried grain with soluble | 33. Linseed meal | 59. Sunflower meal |
| 10. Corn gluten feed | 34. Liquid molasses | 60. Tall Fescue hay |
| 11. Corn gluten meal | 35. Meat and bone meal | 61. Tall Fescue pasture |
| 12. Cottonseed (whole) | 36. Millet (whole) | 62. Timothy hay |
| 13. Cottonseed hulls | 37. Oats (whole) | 63. Timothy pasture |
| 14. Cottonseed meal | 38. Oat hulls | 64. Trace-mineral premix |
| 15. Cracked shelled corn | 39. Orchardgrass hay | 65. Trace-mineralized salt |
| 16. Crimped oats | 40. Orchardgrass pasture | 66. Triticale (whole) |
| 17. Defluorinated rock phosphate | 41. Oyster shells | 67. Tryptosine |
| 18. Dicalcium phosphate | 42. Peanut meal | 68. Urea |
| 19. DL-methionine | 43. Red Clover hay | 69. Vegetable oil |
| 20. Dried Beet pulp | 44. Red Clover pasture | 70. Vitamin premix |
| 21. Dried molasses | 45. Roller dried whey | 71. Wheat (whole) |
| 22. Dried skim milk | 46. Rye (whole) | 72. Wheat bran |
| 23. Feather meal | 47. Salt, white | 73. Wheat middlings |
| 24. Fish meal | 48. Santoquin | 74. White Clover hay |
| | 49. Shelled corn | 75. White Clover pasture |
| | 50. Soybean hulls | |

Feeds Nutrient Groups – to be used in answer column 2 by **Intermediates**

(You may use the letter more than once!!)

- | | | |
|--------------------------|------------|------------|
| B. By-product feed | M. Mineral | V. Vitamin |
| C. Carbohydrate (energy) | P. Protein | |
| F. Fats (energy) | | |

1.



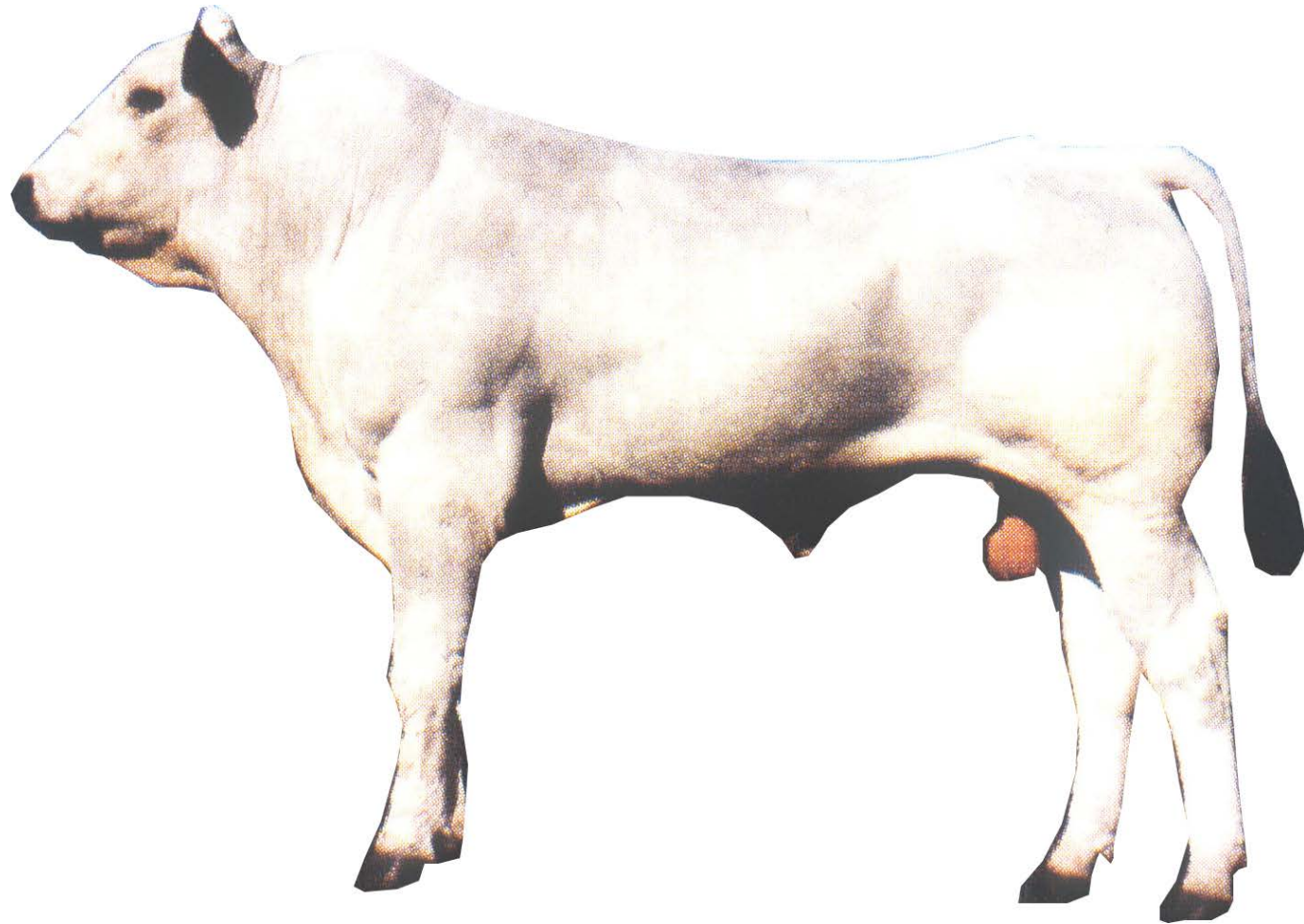
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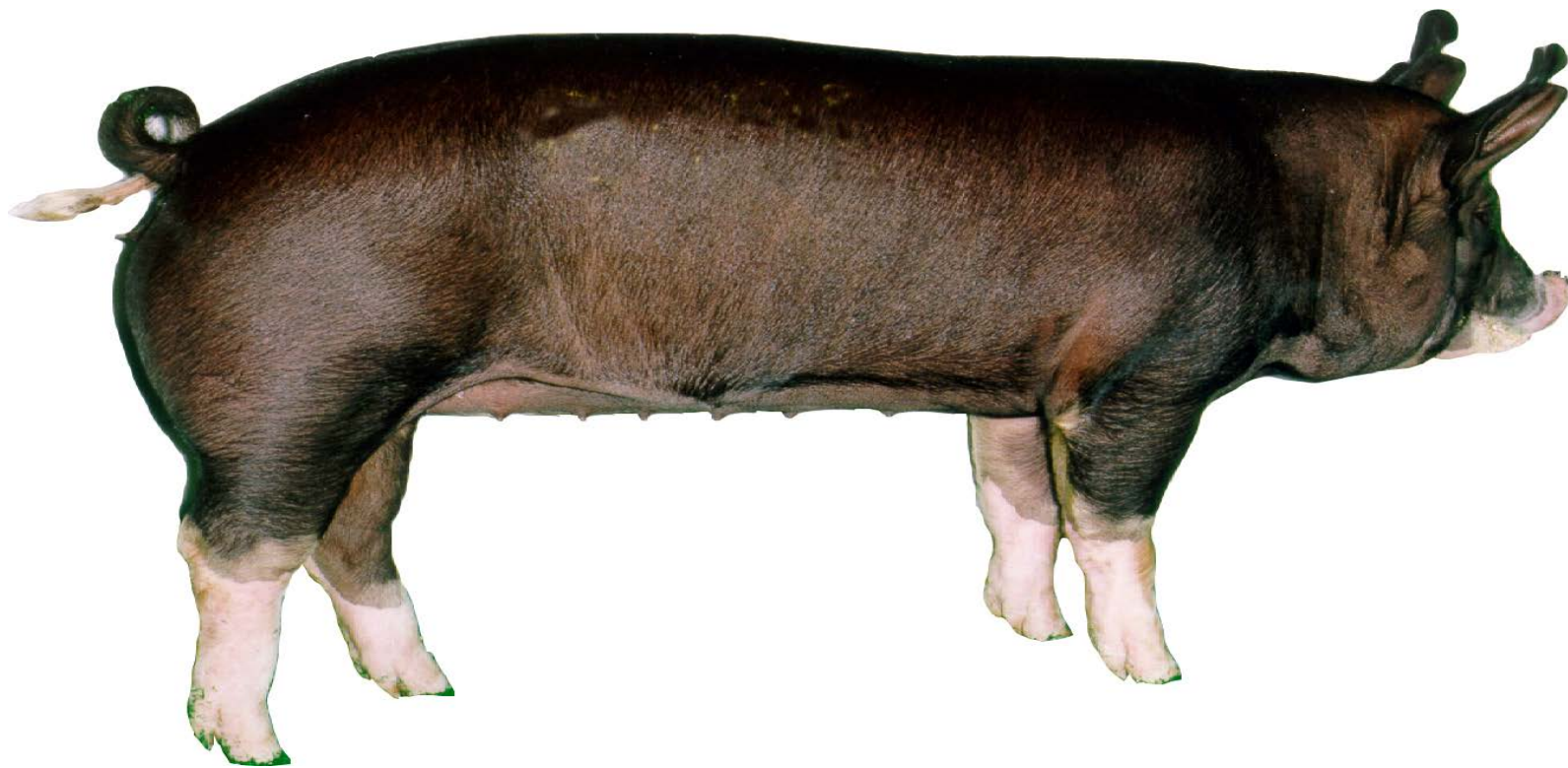
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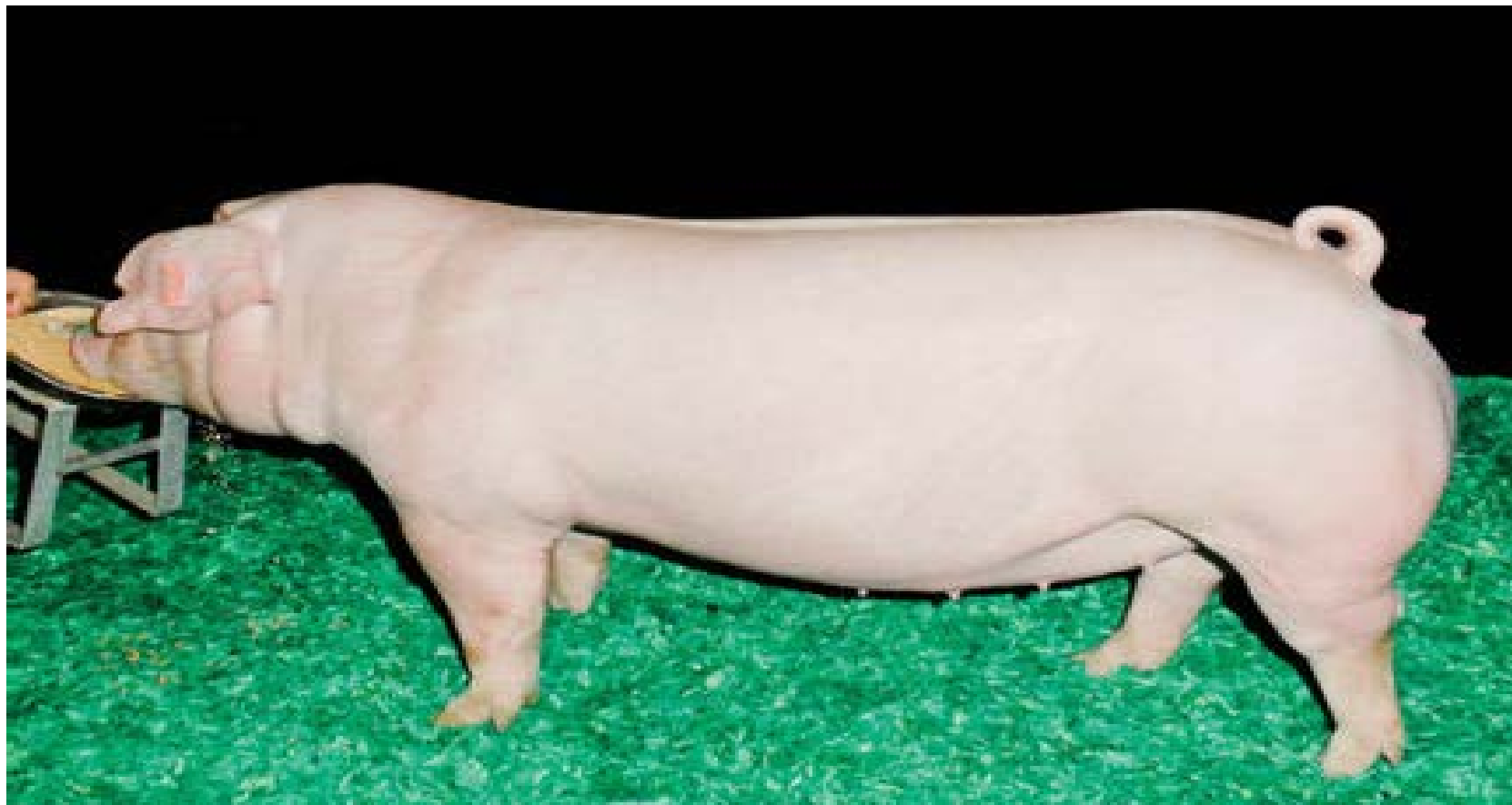
7.



8.



9.



10.



Name _____ Contestant# _____ County _____

Intermediate Livestock Breeds Identification – 2015

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. **Intermediates** provide answers for breed name and origin of breed. Each question is worth 5 points (100 points total for Intermediates).

	Breed Name	Origin of Breed
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

Breed Names – to be used in answer column 1 by Intermediates			
<u>Beef Breeds</u>	<u>Goat Breeds</u>	<u>Sheep Breeds</u>	<u>Swine Breeds</u>
1. Angus	17. Alpine	30. Cheviot	47. Berkshire
2. Brahman	18. American Cashmere	31. Columbia	48. Chester White
3. Brangus	19. Angora	32. Corriedale	49. Duroc
4. Charolais	20. Boer	33. Dorper	50. Hampshire
5. Chianina	21. Kiko	34. Dorset	51. Hereford
6. Gelbvieh	22. Lamancha	35. Finnsheep	52. Landrace
7. Hereford	23. Nubian	36. Hampshire	53. Pietrain
8. Limousin	24. Oberhasli	37. Katahdin	54. Poland China
9. Maine Anjou	25. Pygmy	38. Merino	55. Spotted
10. Polled Hereford	26. Saanen	39. Montadale	56. Tamworth
11. Red Angus	27. Spanish	40. Oxford	57. Yorkshire
12. Red Poll	28. Tennessee Fainting	41. Polled Dorset	
13. Santa Gertrudis	29. Toggenburg	42. Rambouillet	
14. Shorthorn		43. Romney	
15. Simmental		44. Southdown	
16. Tarentaise		45. Suffolk	
		46. White Dorper	

Origins of Breeds – to be used in answer column 2 by Intermediates		
A. Hampshire, England	E. Developed in the US from 2 strains of stock from N.J and N.Y.	I. Meat breed from Africa
B. France		J. Berkshire county England
C. Pietrain, Belgium	F. Origin Italy	K. Herefordshire, England
D. Sussex, England	G. Descendants of the Danish Landrace	
	H. Saanen valley of Switzerland	

Name ANSWER KEY Contestant
 # _____ County _____

Intermediate Livestock Breeds Identification – 2015

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. **Intermediates** provide answers for breed name and origin of breed. Each question is worth 5 points (100 points total for Intermediates).

	Breed Name	Origin of Breed
1.	<u>44</u>	<u>D</u>
2.	<u>36</u>	<u>A</u>
3.	<u>7</u>	<u>K</u>
4.	<u>5</u>	<u>F</u>
5.	<u>4</u>	<u>B</u>
6.	<u>20</u>	<u>I</u>
7.	<u>26</u>	<u>H</u>
8.	<u>47</u>	<u>J</u>
9.	<u>52</u>	<u>G</u>
10.	<u>49</u>	<u>E</u>

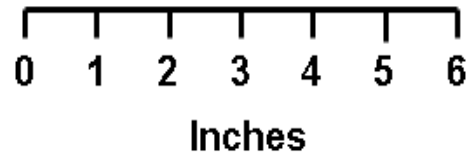
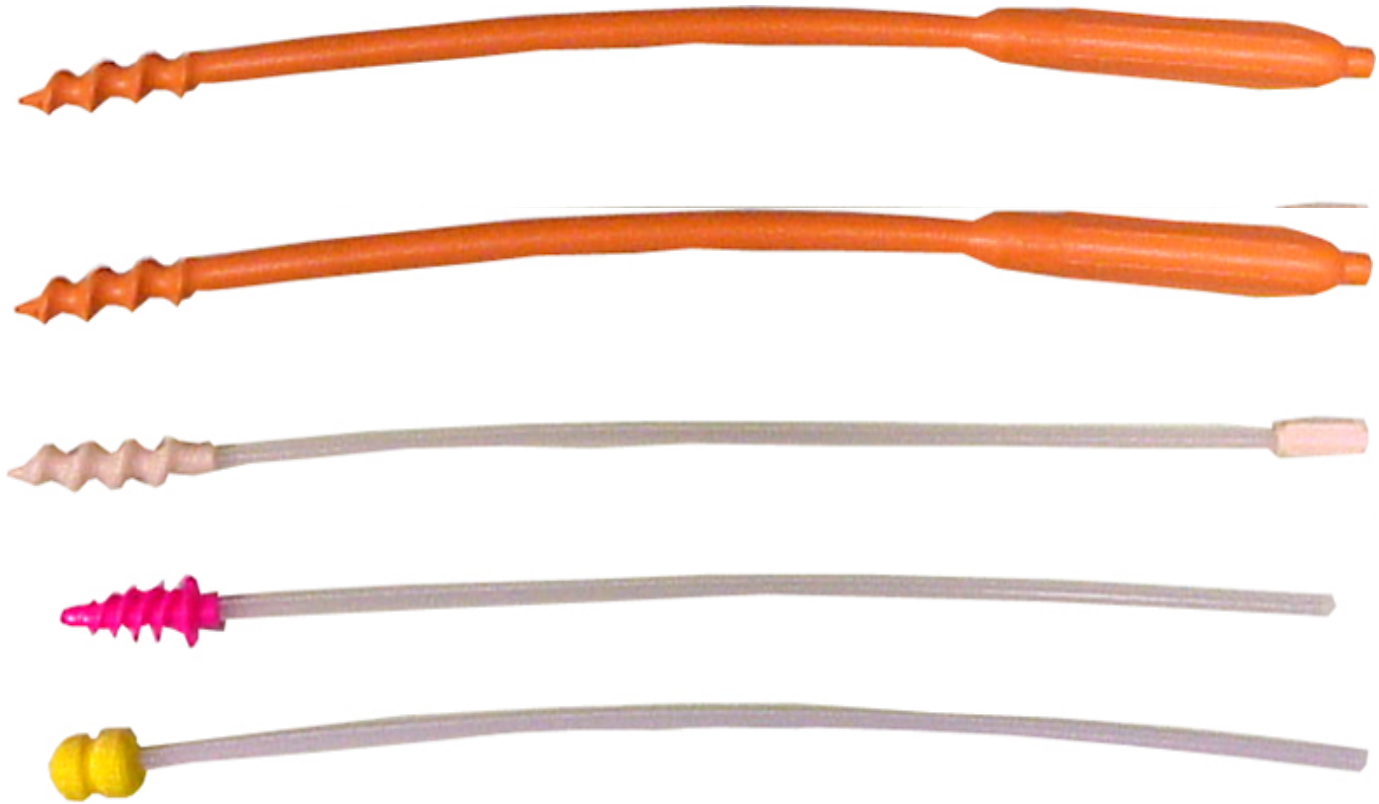
Breed Names – to be used in answer column 1 by **Intermediates**

Beef Breeds	Goat Breeds	Sheep Breeds	Swine Breeds
1. Angus	17. Alpine	30. Cheviot	47. Berkshire
2. Brahman	18. American Cashmere	31. Columbia	48. Chester White
3. Brangus	19. Angora	32. Corriedale	49. Duroc
4. Charolais	20. Boer	33. Dorper	50. Hampshire
5. Chianina	21. Kiko	34. Dorset	51. Hereford
6. Gelbvieh	22. Lamancha	35. Finnsheep	52. Landrace
7. Hereford	23. Nubian	36. Hampshire	53. Pietrain
8. Limousin	24. Oberhasli	37. Katahdin	54. Poland China
9. Maine Anjou	25. Pygmy	38. Merino	55. Spotted
10. Polled Hereford	26. Saanen	39. Montadale	56. Tamworth
11. Red Angus	27. Spanish	40. Oxford	57. Yorkshire
12. Red Poll	28. Tennessee Fainting	41. Polled Dorset	
13. Santa Gertrudis	29. Toggenburg	42. Rambouillet	
14. Shorthorn		43. Romney	
15. Simmental		44. Southdown	
16. Tarentaise		45. Suffolk	
		46. White Dorper	

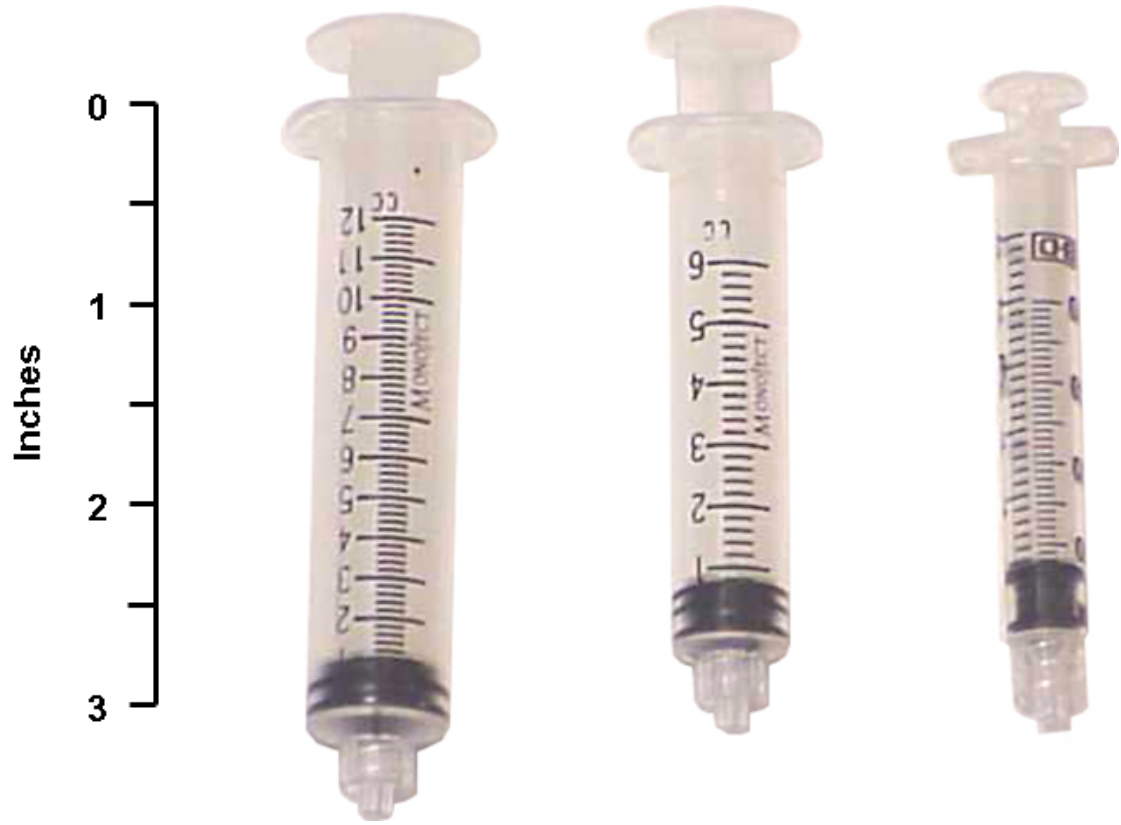
Origins of Breeds – to be used in answer column 2 by **Intermediates**

A. Hampshire, England	E. Developed in the US from 2 strains of stock from N.J. and N.Y.	I. Meat breed from Africa
B. France		J. Berkshire county England
C. Pietrain, Belgium	F. Origin Italy	K. Herefordshire, England
D. Sussex, England	G. Descendants of the Danish Landrace	
	H. Saanen valley of Switzerland	

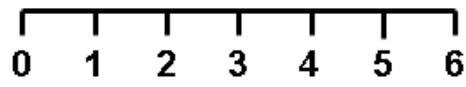
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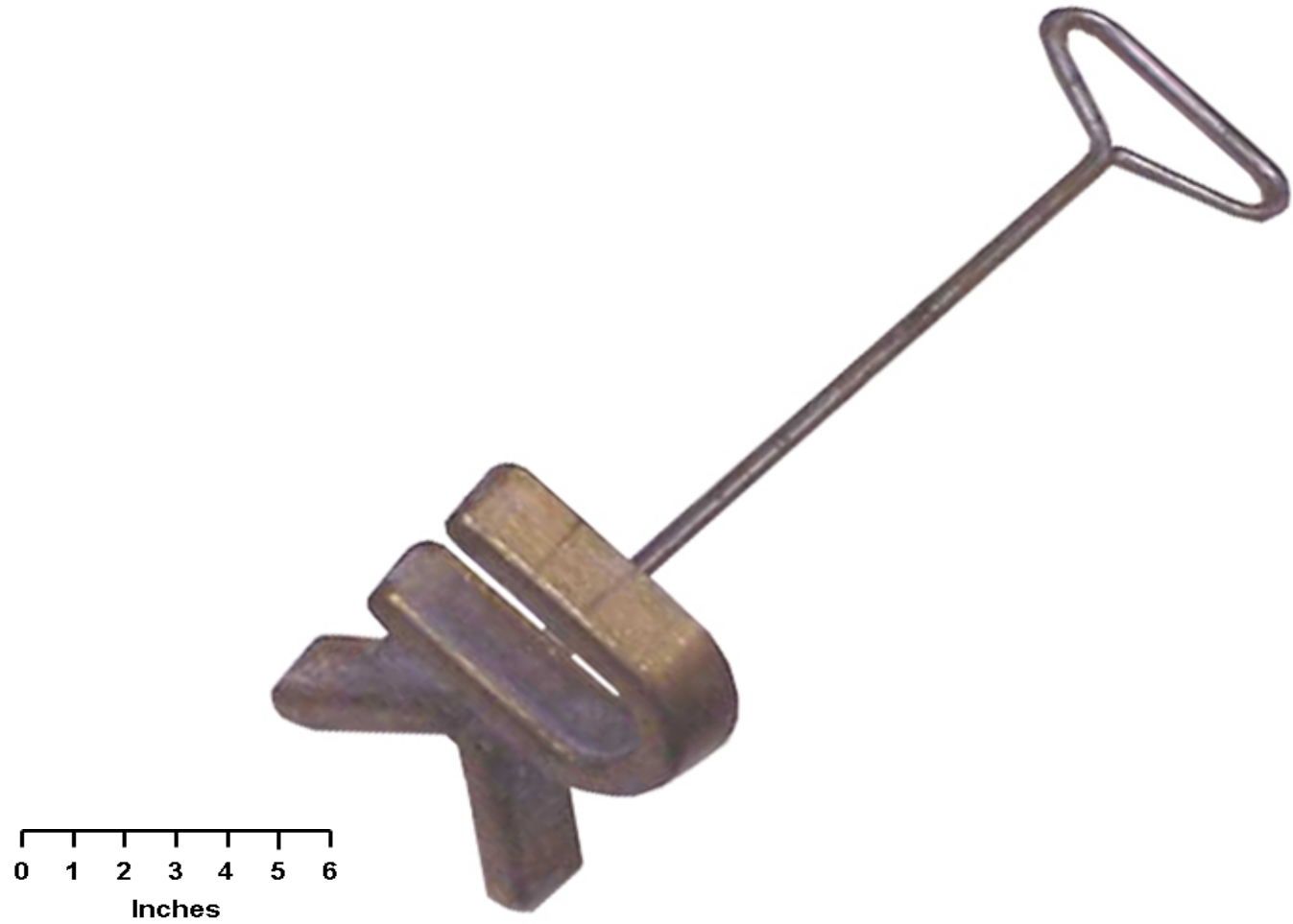


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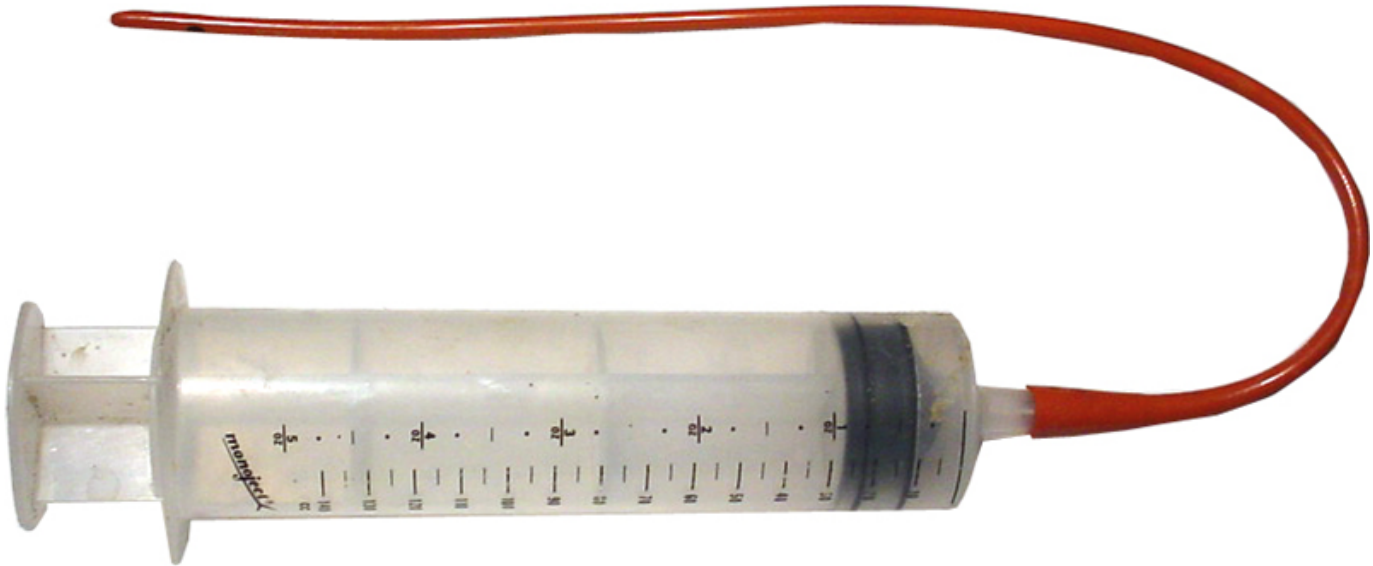


Inches

4



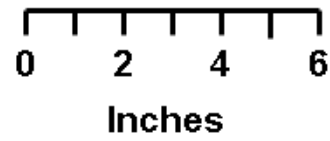
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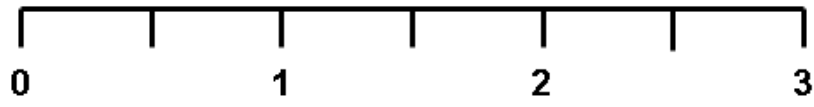
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Inches

6

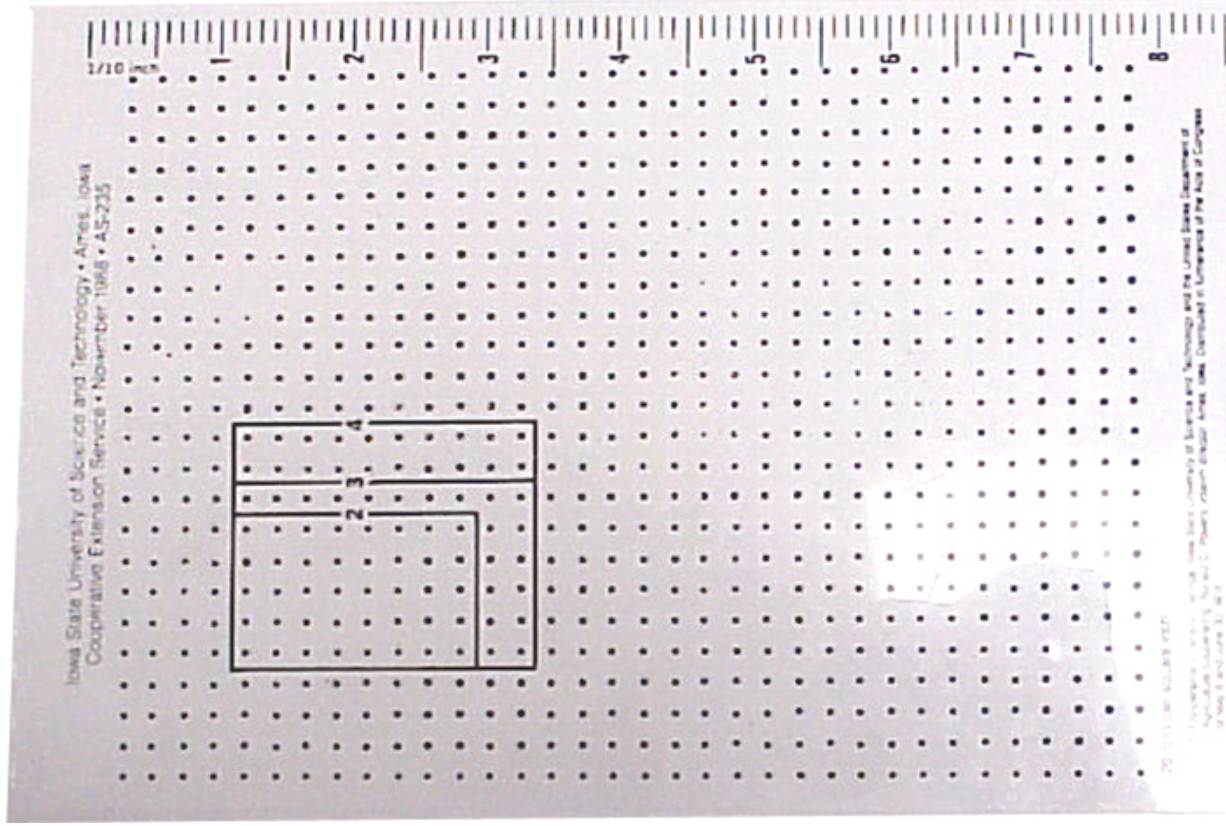


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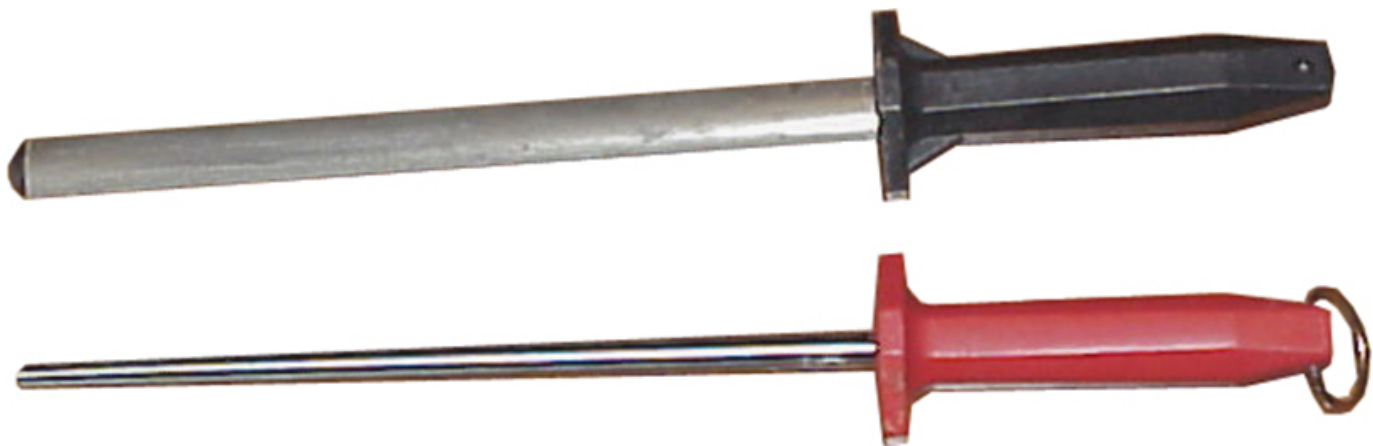


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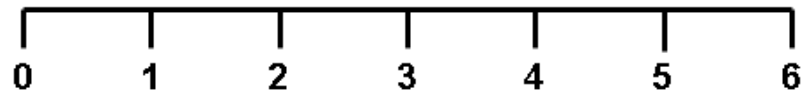
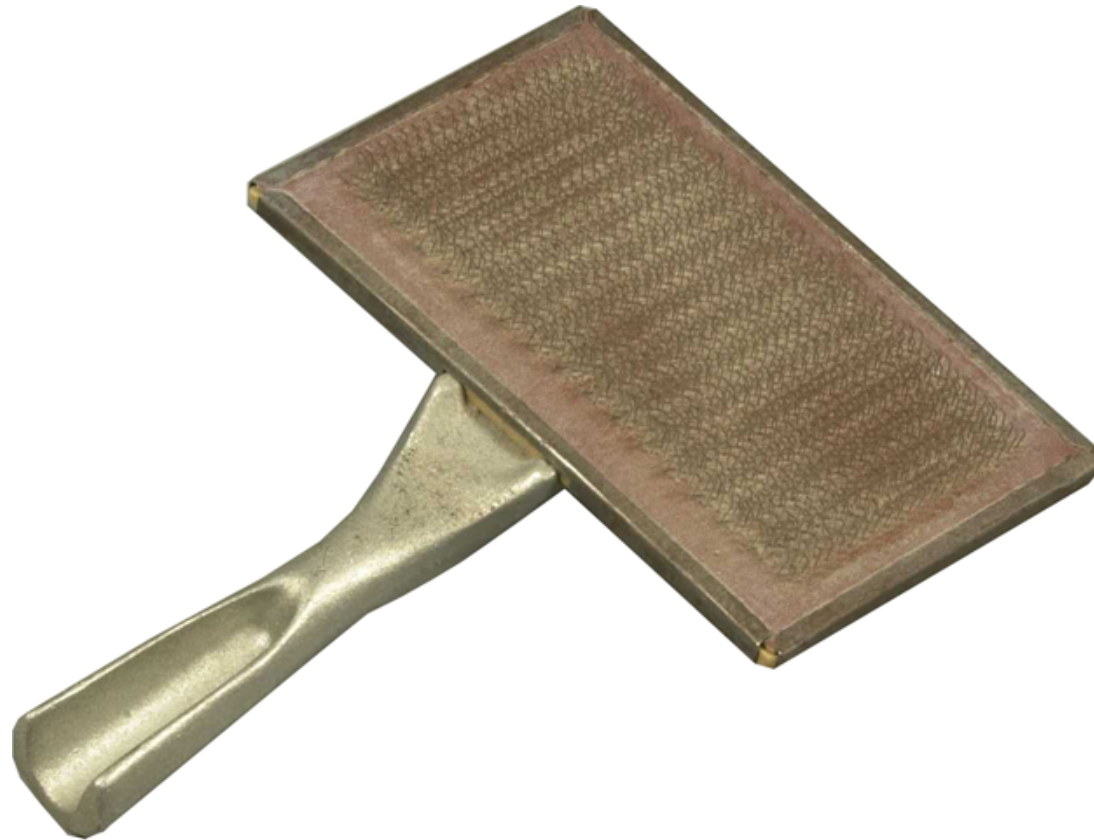
88



9



10



Inches

Name _____ Contestant # _____ County _____

Intermediate Livestock and Meat Equipment Identification – 2015

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. **Intermediates** provide answers for livestock/meat equipment names and equipment use. Each question is worth 5 points (100 points total for Intermediates).

	Equipment Name	Equipment Use	Equipment Names – to be used in answer column 1 by <u>Intermediates</u>		
			Livestock Equipment	Meat Equipment	
1.	_____	_____	1. All-in-one castrator/docker	26. Lamb tube feeder	43. Backfat ruler
			2. Artificial insemination pipettes (Swine)	27. Needle teeth nippers	44. Band saw
2.	_____	_____	3. Bowl waterer	28. Nipple waterer	45. Bone dust scraper
			4. Balling gun	29. Nose ring	46. Boning knife
3.	_____	_____	5. Barnes dehorner	30. Nose ring pliers	47. Bowl chopper
			6. Cattle clippers	31. Obstetrical (O.B.) chain	48. Dehairing machine
4.	_____	_____	7. Clipper comb	32. Plastic Sleeve	49. Electrical stunner
			8. Clipper cutter	33. Ralgro pellet injector	50. Emulsifier
5.	_____	_____	9. Currycomb	34. Ram marking harness	51. Ham net
			10. Disposable syringes	35. Rumen magnate	52. Hand saw
6.	_____	_____	11. Drench gun	36. Scotch Comb	53. Hard hat
			12. Ear notchers	37. Slap tattoo	54. Loin eye area grid
7.	_____	_____	13. Ear tag	38. SYNOVEX Implant cartridge	55. Meat grinder
			14. Elastrator	39. SYNOVEX Implant gun	56. Meat grinder auger
8.	_____	_____	15. Electric branding iron	40. Syringe Needles	57. Meat grinder knife
			16. Electric docker	41. Tattoo pliers	58. Meat grinder plate
9.	_____	_____	17. Electric fence wire roller	42. Wool card	59. Meat grinder stuffing rod
			18. Electric sheep shears		60. Meat hook
10.	_____	_____	19. Emasculatome (Burdizzo)		61. Meat tenderizer
			20. Ewe prolapse retainer		62. Meat trolley
			21. Fencing pliers		63. Metal knife scabbard
			22. Foot rot shears		64. Rubber apron
			23. Freeze branding iron		65. Sharpening steel
			24. Hanging Scale		66. Smoke house
			25. Hand sheep shears		67. Thermometer
					68. Tumbler
					69. Vacuum sausage stuffer
					70. Whale saw

Equipment Uses – to be used in answer column 2 by <u>Intermediates</u>	
A. A device placed on rams that shows when a ewe has been serviced.	I. An automatic waterer used to provide clean, fresh water to pigs
B. Used to measure precise amounts of a vaccine and to administer vaccines to livestock and horses.	J. Used to remove burrs and sharpen knives used for slaughtering animals and cutting meat.
C. A device used to deposit boar semen into reproductive tract of a gilt or sow.	K. A magnate used to remove metal from the stomach of cattle that they inadvertently consumed while eating.
D. Used to determine loin eye area from pork carcasses.	L. A device used to effectively feed newborn lambs the ewe's colostrum.
E. An instrument used to control vaginal prolapse in ewes.	M. An instrument used for the bloodless castration of young male calves, lambs, and goats by severing (crushing) the testicular cord.
F. Used to freeze brand cattle to provide a form of identification.	N. Used to tenderize the less tender cuts of meat.
G. Used to help pull unborn calves from cows that are experiencing calving problems (dystocia).	O. Used to card (comb or rake) the wool on sheep prior to shearing.
H. Used to inject a RALGRO pellet under the loose skin and above the cartilage on the back side of a beef calf's ear.	

Intermediate Livestock and Meat Equipment Identification – 2015

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. **Intermediates** provide answers for livestock/meat equipment names and equipment use. Each question is worth 5 points (100 points total for Intermediates).

	Equipment Name	Equipment Use
1.	<u>2</u>	<u>C</u>
2.	<u>10</u>	<u>B</u>
3.	<u>31</u>	<u>G</u>
4.	<u>23</u>	<u>F</u>
5.	<u>26</u>	<u>L</u>
6.	<u>34</u>	<u>A</u>
7.	<u>35</u>	<u>K</u>
8.	<u>54</u>	<u>D</u>
9.	<u>65</u>	<u>J</u>
10.	<u>42</u>	<u>O</u>

Equipment Names – to be used in answer column 1 by <u>Intermediates</u>		
	Livestock Equipment	Meat Equipment
1.	All-in-one castrator/docker	43. Backfat ruler
2.	Artificial insemination pipettes (Swine)	44. Band saw
3.	Bowl waterer	45. Bone dust scraper
4.	Balling gun	46. Boning knife
5.	Barnes dehorner	47. Bowl chopper
6.	Cattle clippers	48. Dehairing machine
7.	Clipper comb	49. Electrical stunner
8.	Clipper cutter	50. Emulsifier
9.	Currycomb	51. Ham net
10.	Disposable syringes	52. Hand saw
11.	Drench gun	53. Hard hat
12.	Ear notchers	54. Loin eye area grid
13.	Ear tag	55. Meat grinder
14.	Elastrator	56. Meat grinder auger
15.	Electric branding iron	57. Meat grinder knife
16.	Electric docker	58. Meat grinder plate
17.	Electric fence wire roller	59. Meat grinder stuffing rod
18.	Electric sheep shears	60. Meat hook
19.	Emasculator (Burdizzo)	61. Meat tenderizer
20.	Ewe prolapse retainer	62. Meat trolley
21.	Fencing pliers	63. Metal knife scabbard
22.	Foot rot shears	64. Rubber apron
23.	Freeze branding iron	65. Sharpening steel
24.	Hanging Scale	66. Smoke house
25.	Hand sheep shears	67. Thermometer
		68. Tumbler
		69. Vacuum sausage stuffer
		70. Whale saw
	26. Lamb tube feeder	
	27. Needle teeth nippers	
	28. Nipple waterer	
	29. Nose ring	
	30. Nose ring pliers	
	31. Obstetrical (O.B.) chain	
	32. Plastic Sleeve	
	33. Ralgro pellet injector	
	34. Ram marking harness	
	35. Rumen magnate	
	36. Scotch Comb	
	37. Slap tattoo	
	38. SYNOVEX Implant cartridge	
	39. SYNOVEX Implant gun	
	40. Syringe Needles	
	41. Tattoo pliers	
	42. Wool card	

Equipment Uses – to be used in answer column 2 by <u>Intermediates</u>	
A. A device placed on rams that shows when a ewe has been serviced.	I. An automatic waterer used to provide clean, fresh water to pigs
B. Used to measure precise amounts of a vaccine and to administer vaccines to livestock and horses.	J. Used to remove burrs and sharpen knives used for slaughtering animals and cutting meat.
C. A device used to deposit boar semen into reproductive tract of a gilt or sow.	K. A magnate used to remove metal from the stomach of cattle that they inadvertently consumed while eating.
D. Used to determine loin eye area from pork carcasses.	L. A device used to effectively feed newborn lambs the ewe's colostrum.
E. An instrument used to control vaginal prolapse in ewes.	M. An instrument used for the bloodless castration of young male calves, lambs, and goats by severing (crushing) the testicular cord.
F. Used to freeze brand cattle to provide a form of identification.	N. Used to tenderize the less tender cuts of meat.
G. Used to help pull unborn calves from cows that are experiencing calving problems (dystocia).	O. Used to card (comb or rake) the wool on sheep prior to shearing.
H. Used to inject a RALGRO pellet under the loose skin and above the cartilage on the back side of a beef calf's ear.	

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 2 ml per 100 lb of body weight given once daily for 3 days.

Maximum dose is 12 ml/day.

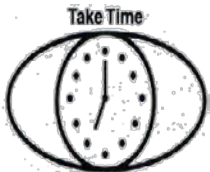
<u>Body Weight</u>	<u>Dosage</u>
100 lb	2 ml
300 lb	6 ml
500 lb	10 ml
600 lb or more	12 ml

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 28 days before treated animals are slaughtered for food. Do not use in lactating dairy animals.

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

Manufactured by:



Observe Label Directions

Wildcat Animal Health LLC.

PO Box 1000

Lexington, KY 42445

Name _____ Contestant # _____
County _____

Quality Assurance - Intermediate - Individual- 2015

You are the manager of a beef cattle feedlot. Use the **Oxytet 250** label to answer the **10 questions** below relating to beef cattle management. **Circle your answers.** (10 questions worth 5 points per question for 50 total points)

1. What is the correct dosage per day for a 550 pound feeder steer that has pneumonia?

- A.) 2 ml
- B.) 10 ml
- C.) 11 ml
- D.) 12 ml

2. Oxytet 250 is manufactured by _____?

- A.) Elanco Animal Health
- B.) Bluegrass Vet Supply
- C.) Oklahoma Feed and Vet Supply
- D.) Wildcat Animal Health LLC

3. Which of the following is NOT true?

- A.) Oxytet 250 is available in 10ml, 50 ml or 100 ml vials
- B.) Oxytet 250 should be kept in the refrigerator when not being used
- C.) Each ml of Oxytet 250 contains 250,000 units of oxytetracycline
- D.) All of the above are true

4. What is the correct dosage per day for a 550 pound feeder steer that has pneumonia?

- A.) Only near a major nerve
- B.) In the neck
- C.) In the rump
- D.) In the loin

[OVER]

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

- A.) Mastitis in lactating dairy cows
- B.) Mastitis in ewes
- C.) Mastitis in meat goat does
- D.) Mastitis in beef cows

6. Oxytet 250 is classified as what type of medication?

- A.) Antimicrobial
- B.) Dewormer
- C.) Growth promotant
- D.) Vaccine

7. Which statement is true?

- A.) Oxytet 250 may be mixed with other vaccines and medications to treat diseases
- B.) Oxytet 250 may be injected intravenously
- C.) Oxytet 250 may be injected subcutaneously
- D.) Oxytet 250 maximum dose is 12 ml per day

8. If an adverse reaction occurs with an injection of Oxytet 250, what products should be administered?

- A.) Epinephrine and antihistamines
- B.) Sterile water and charcoal
- C.) Vinegar and baking soda
- D.) Any of these should work

9. Before using Oxytet 250 it should be_____.

- A. Taken out of the refrigerator warmed to room temperature and shaken well before use
- B. Taken out of the freezer and diluted with sterile water
- C. Taken out of the refrigerator and stored directly in a cooler until use
- D. Taken off the truck dashboard and shaken well before use

10. The use of Oxytet 250 must be discontinued for 28 days before animals are slaughtered for food.

TRUE

FALSE

Name_____KEY_____

Contestant #_____

County_____

Quality Assurance - Intermediate - Individual- 2015

You are the manager of a beef cattle feedlot. Use the **Oxytet 250** label to answer the **10 questions** below relating to beef cattle management. **Circle your answers.** (10 questions worth 5 points per question for 50 total points)

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D.) 12 ml

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A.) Elanco Animal Health

C.) Oklahoma Feed and Vet Supply

B.) Bluegrass Vet Supply

D.) Wildcat Animal Health LLC

3. Which of the following is **NOT** true?

A.) Oxytet 250 is available in 10ml, 50 ml or 100 ml vials

B.) Oxytet 250 should be kept in the refrigerator when not being used

C.) Each ml of Oxytet 250 contains 250,000 units of oxytetracycline

D.) **All of the above are true**

4. What is the correct dosage per day for a 550 pound feeder steer that has pneumonia?

A.) Only near a major nerve

C.) In the rump

B.) **In the neck**

D.) In the loin

[OVER]

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- A.) Mastitis in lactating dairy cows C.) Mastitis in meat goat does
B.) Mastitis in ewes **D.) Mastitis in beef cows**

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B. Taken out of the freezer and diluted with sterile water
C. Taken out of the refrigerator and stored directly in a cooler until use
D. Taken off the truck dashboard and shaken well before use

10. The use of Oxytet 250 must be discontinued for 28 days before animals are slaughtered for food.

TRUE

FALSE

Name _____ Contestant# _____ County _____

Intermediate 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.) The external opening of a doe's reproductive tract is called the _____.
 - a. Urethra
 - b. Infundibulum
 - c. Vulva
 - d. Cervix
- 3.) What essential nutrient do sheep 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.) Which of the following is **not** a monogastric?
 - a. Doe
 - b. Steer
 - c. Wether
 - d. All of the above
- 6.) Which of the following is a non-ruminant?
 - a. Cow
 - b. Barrow
 - c. Buck
 - d. All of the above
- 7.) Removing the testicles from a male lamb is called _____.
 - a. Elastration
 - b. Castration
 - c. Docking
 - d. Elastrator

- 8.) What is the most widely fed feed grain for livestock in the U.S.?
- a. Wheat
 - b. Barley
 - c. Corn
 - d. Grain sorghum
- 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.) Which one of the following hormones maintains pregnancy in farm animals?
- a. Estrogen
 - b. Progesterone
 - c. Prostaglandin
 - d. Testosterone
- 11.) Which of the following is a quality grade for beef?
- a. Prime
 - b. Select
 - c. Choice
 - d. All of the above
- 12.) 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
- 13.) Which of the following should not be fed to pigs?
- a. Hominy feed
 - b. Cottonseed meal
 - c. Urea
 - d. Both b. and c.
- 14.) Which of the following is a high priced wholesale cut in lambs?
- a. Leg
 - b. Rack
 - c. Loin
 - d. All of the above
- 15.) Which species has the marketing ad “It’s What’s for Dinner”?
- a. Beef
 - b. Pork
 - c. Lamb
 - d. Chevon
- 16.) The female reproductive organ where the egg is fertilized is called the _____.
- a. Ovary
 - b. Oviduct
 - c. Cervix
 - d. Uterus

- 17.) 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
- 18.) 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
- 19.) The female reproductive organ where the embryo develops is called the _____.
- a. Ovary
 - b. Oviduct
 - c. Cervix
 - d. Uterus
- 20.) The period of time when a calf is carried inside its mother is called _____.
- a. Gestation
 - b. Lactation
 - c. Generation interval
 - d. Postpartum interval
- 21.) Where is the hormone testosterone produced?
- a. Testicle
 - b. Ovary
 - c. Brain
 - d. Pancreas
- 22.) Which management practices are performed on baby piglets?
- a. Dock tails
 - b. Clip needle teeth
 - c. Give iron injection
 - d. All of the above
- 23.) Which of the following should not be fed to fat cattle?
- a. Grass Hay
 - b. Cracked Corn
 - c. Straw
 - d. Finely ground corn
- 24.) Which of the following is not fed to livestock primarily for energy?
- a. Canola meal
 - b. Molasses
 - c. Steam flaked corn
 - d. Soybean hulls
- 25.) How many barrows are born in the United States each year?
- a. 0
 - b. 10 million
 - c. 1 thousand
 - d. 10 thousand

Name Answer Key Contestant# _____ County _____

Intermediate 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. Infundibulum
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- 11.) Which of the following is a quality grade for beef?
 - a. Prime
 - c. Choice
 - b. Select
 - d. All of the above**

- 12.) Which nationally recognized show is located in Louisville, Kentucky?
 a. Fort Worth Stock Show c. National Western
 b. **North American International Livestock Expo.** d. American Royal
- 13.) Which of the following should not be fed to pigs?
 a. Hominy feed c. Urea
 b. Cottonseed meal **d. Both b. and c.**
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 b. Pork d. Chevon
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 a. Landrace **c. Duroc**
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- 25.) How many barrows are born in the United States each year?
 a. **0** c. 1 thousand
 b. 10 million d. 10 thousand

Pork Rib Chops



Intermediate Retail Meat Judging Class 1 (2015)

Name _____ Contestant # _____ County _____

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Pork Rib 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	

Intermediate Retail Meat Judging Class 1 (2015)

Name ANSWER KEY Contestant # _____ County _____

Official Placing = 3-2-4-1

Cuts = 3-4-2

(50 points possible)

<p>Contestant Number _____</p> <p>Placing Score _____</p> <p><i>University of Kentucky College of Agriculture Animal Sciences Department</i></p> <p>Contestant's Name _____ _____</p> <p>Address _____ _____</p> <p>County _____</p> <p>Class Class 1 <u>Pork Rib Chops</u></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A</td><td>1 2 3 4</td><td>30</td></tr> <tr><td>B</td><td>1 2 4 3</td><td>23</td></tr> <tr><td>C</td><td>1 3 2 4</td><td>33</td></tr> <tr><td>D</td><td>1 3 4 2</td><td>29</td></tr> <tr><td>E</td><td>1 4 2 3</td><td>19</td></tr> <tr><td>F</td><td>1 4 3 2</td><td>22</td></tr> <tr><td>G</td><td>2 1 3 4</td><td>36</td></tr> <tr><td>H</td><td>2 1 4 3</td><td>29</td></tr> <tr><td>I</td><td>2 3 1 4</td><td>45</td></tr> <tr><td>J</td><td>2 3 4 1</td><td>47</td></tr> <tr><td>K</td><td>2 4 1 3</td><td>31</td></tr> <tr><td>L</td><td>2 4 3 1</td><td>40</td></tr> <tr><td>M</td><td>3 1 2 4</td><td>42</td></tr> <tr><td>N</td><td>3 1 4 2</td><td>38</td></tr> <tr><td>O</td><td>3 2 1 4</td><td>48</td></tr> <tr><td>P</td><td>3 2 4 1</td><td>50</td></tr> <tr><td>Q</td><td>3 4 1 2</td><td>40</td></tr> <tr><td>R</td><td>3 4 2 1</td><td>46</td></tr> <tr><td>S</td><td>4 1 2 3</td><td>21</td></tr> <tr><td>T</td><td>4 1 3 2</td><td>24</td></tr> <tr><td>U</td><td>4 2 1 3</td><td>27</td></tr> <tr><td>V</td><td>4 2 3 1</td><td>36</td></tr> <tr><td>W</td><td>4 3 1 2</td><td>33</td></tr> <tr><td>X</td><td>4 3 2 1</td><td>39</td></tr> </table>	A	1 2 3 4	30	B	1 2 4 3	23	C	1 3 2 4	33	D	1 3 4 2	29	E	1 4 2 3	19	F	1 4 3 2	22	G	2 1 3 4	36	H	2 1 4 3	29	I	2 3 1 4	45	J	2 3 4 1	47	K	2 4 1 3	31	L	2 4 3 1	40	M	3 1 2 4	42	N	3 1 4 2	38	O	3 2 1 4	48	P	3 2 4 1	50	Q	3 4 1 2	40	R	3 4 2 1	46	S	4 1 2 3	21	T	4 1 3 2	24	U	4 2 1 3	27	V	4 2 3 1	36	W	4 3 1 2	33	X	4 3 2 1	39
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E	1 4 2 3	19																																																																							
F	1 4 3 2	22																																																																							
G	2 1 3 4	36																																																																							
H	2 1 4 3	29																																																																							
I	2 3 1 4	45																																																																							
J	2 3 4 1	47																																																																							
K	2 4 1 3	31																																																																							
L	2 4 3 1	40																																																																							
M	3 1 2 4	42																																																																							
N	3 1 4 2	38																																																																							
O	3 2 1 4	48																																																																							
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Q	3 4 1 2	40																																																																							
R	3 4 2 1	46																																																																							
S	4 1 2 3	21																																																																							
T	4 1 3 2	24																																																																							
U	4 2 1 3	27																																																																							
V	4 2 3 1	36																																																																							
W	4 3 1 2	33																																																																							
X	4 3 2 1	39																																																																							

Ribeyes



Intermediate Retail Meat Judging Class 2 (2015)

Name _____ Contestant # _____ County _____

<p>Contestant Number _____</p> <p>Placing Score _____</p> <p><i>University of Kentucky College of Agriculture Animal Sciences Department</i></p> <p>Contestant's Name _____ _____</p> <p>Address _____ _____</p> <p>County _____</p> <p>Class ____ <u>Class 2</u> _____ <u>Ribeyes</u> _____</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td>A</td><td>1 2 3 4</td><td></td></tr> <tr><td>B</td><td>1 2 4 3</td><td></td></tr> <tr><td>C</td><td>1 3 2 4</td><td></td></tr> <tr><td>D</td><td>1 3 4 2</td><td></td></tr> <tr><td>E</td><td>1 4 2 3</td><td></td></tr> <tr><td>F</td><td>1 4 3 2</td><td></td></tr> <tr><td>G</td><td>2 1 3 4</td><td></td></tr> <tr><td>H</td><td>2 1 4 3</td><td></td></tr> <tr><td>I</td><td>2 3 1 4</td><td></td></tr> <tr><td>J</td><td>2 3 4 1</td><td></td></tr> <tr><td>K</td><td>2 4 1 3</td><td></td></tr> <tr><td>L</td><td>2 4 3 1</td><td></td></tr> <tr><td>M</td><td>3 1 2 4</td><td></td></tr> <tr><td>N</td><td>3 1 4 2</td><td></td></tr> <tr><td>O</td><td>3 2 1 4</td><td></td></tr> <tr><td>P</td><td>3 2 4 1</td><td></td></tr> <tr><td>Q</td><td>3 4 1 2</td><td></td></tr> <tr><td>R</td><td>3 4 2 1</td><td></td></tr> <tr><td>S</td><td>4 1 2 3</td><td></td></tr> <tr><td>T</td><td>4 1 3 2</td><td></td></tr> <tr><td>U</td><td>4 2 1 3</td><td></td></tr> <tr><td>V</td><td>4 2 3 1</td><td></td></tr> <tr><td>W</td><td>4 3 1 2</td><td></td></tr> <tr><td>X</td><td>4 3 2 1</td><td></td></tr> </table>	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	
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Intermediate Retail Meat Judging Class 2 (2015)

Name ANSWER KEY Contestant # _____ County _____

Official Placing = 4-3-2-1

Cuts = 3-2-5

(50 points possible)

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Class 2 Ribeyes

A	1 2 3 4	18
B	1 2 4 3	21
C	1 3 2 4	20
D	1 3 4 2	25
E	1 4 2 3	26
F	1 4 3 2	28
G	2 1 3 4	23
H	2 1 4 3	26
I	2 3 1 4	30
J	2 3 4 1	40
K	2 4 1 3	36
L	2 4 3 1	43
M	3 1 2 4	27
N	3 1 4 2	32
O	3 2 1 4	32
P	3 2 4 1	42
Q	3 4 1 2	42
R	3 4 2 1	47
S	4 1 2 3	36
T	4 1 3 2	38
U	4 2 1 3	41
V	4 2 3 1	48
W	4 3 1 2	45
X	4 3 2 1	50

Intermediate Hay Judging Class – 2015

Name _____ Contestant # _____ County _____

Contestant Number _____	
Placing Score _____	
<i>University of Kentucky College of Agriculture Animal Sciences Department</i>	
Contestant's Name _____ _____	
Address _____ _____	
County _____	
Class <u>Hay Judging Class</u>	

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	

[Turn over and answer questions on back of this sheet]

Questions

- 1.) Which hay has the poorest color? _____
- 2.) Between 3 and 4, which hay has the most desirable leaf:stem ratio? _____
- 3.) Between 1 and 4, which hay would you expect to have the lowest TDN? _____
- 4.) Which hay has the highest percentage of Red Clover? _____
- 5.) Between 1 and 2, which hay has the most desirable color? _____

Intermediate Hay Judging Class -2015

Name ANSWER KEY Contestant# _____ County _____

Official Placing = 4-3-2-1

Cuts = 3-2-7

(Placing the hay is worth a possible 50 points and each of the 5 questions is worth 10 points for 50 possible – Grand Total of 100 possible points)

Contestant Number _____		
Placing Score _____		
<i>University of Kentucky College of Agriculture Animal Sciences Department</i>		
Contestant's Name		

Address		

County		

Class		
<u>Hay Judging Class</u>		

A	1 2 3 4	12
B	1 2 4 3	15
C	1 3 2 4	14
D	1 3 4 2	19
E	1 4 2 3	20
F	1 4 3 2	22
G	2 1 3 4	19
H	2 1 4 3	22
I	2 3 1 4	28
J	2 3 4 1	40
K	2 4 1 3	34
L	2 4 3 1	43
M	3 1 2 4	23
N	3 1 4 2	28
O	3 2 1 4	30
P	3 2 4 1	42
Q	3 4 1 2	40
R	3 4 2 1	47
S	4 1 2 3	32
T	4 1 3 2	34
U	4 2 1 3	39
V	4 2 3 1	48
W	4 3 1 2	43
X	4 3 2 1	50

[Turn over and answer questions on back of this sheet]

Questions

- 1.) Which hay has the poorest color? 1
- 2.) Between 3 and 4, which hay has the most desirable leaf:stem ratio? 4
- 3.) Between 1 and 4, which hay would you expect to have the lowest TDN?
 1
- 4.) Which hay has the highest percentage of Red Clover? 3
- 5.) Between 1 and 2, which hay has the most desirable color? 2

For Animal Use only BOVI-SHIELD® GOLD 5 Reg. No. 3675 Act 36/1947 Namibia reg. no. NSR 1339

For use by or under the control of a veterinarian only

INDICATIONS:

Bovi-Shield® GOLD 5 is recommended for vaccination of healthy cattle as an aid in preventing disease caused by infectious bovine rhinotracheitis virus (IBRV), bovine viral diarrhoea virus (BVD Type 1 and 2), parainfluenza₃ virus (PI₃) and bovine respiratory syncytial virus (BRSV). **Bovi-Shield® GOLD 5** may be administered to pregnant cattle provided they were vaccinated with Bovi-Shield® FP4+L5 vaccine within the past 12 months. It may also be administered to calves nursing pregnant cows provided their dams were vaccinated within the past 12 months with Bovi-Shield® FP 4+L5.

STORAGE INSTRUCTIONS:

The vaccine should be stored at temperatures between 2°C and 7°C, and must be protected from light. Do not freeze.

COMPOSITION:

Bovi-Shield® GOLD 5 is a freeze-dried preparation of modified live virus strains of IBR, BVD (Type 1 and 2), PI₃ and BRS viruses, plus a sterile diluent used to re-hydrate the freeze-dried vaccine. Viral antigens are propagated on established cell lines.

WARNING:

Do not vaccinate within 21 days before slaughter. Keep out of reach of children and uninformed persons.

For veterinary use only.

Contains gentamicin as a preservative.

Do not use in pregnant cows, abortion can result, unless they were vaccinated strictly according to the instructions. As with many vaccines, anaphylaxis may occur after use.

This vaccine has been shown to be efficacious in healthy animals. A protective immune response may not be elicited:

- if animals are incubating an infectious disease,
- are malnourished or parasitized,
- are stressed due to shipment or environmental conditions,
- are otherwise immuno-compromised,
- or the vaccine is not administered in accordance with label directions.

Although this vaccine has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

PRECAUTIONS:

Do not use in pregnant cows, unless they were vaccinated with Bovi-Shield® FP 4+L5 within the past 12 months.

Use the entire contents when first opened.

Do not use in calves nursing pregnant cows unless their dams were vaccinated within the past 12 months with Bovi-Shield® FP 4+L5. Sterilized syringes and needles should be used to administer the vaccine. Do not sterilize with chemicals because traces of disinfectant may inactivate the vaccine. Burn containers and all unused contents. If vaccination results in anaphylaxis, initial antidote of adrenalin, or equivalent is recommended, and should be followed with appropriate supportive therapy.

DOSAGE AND DIRECTIONS FOR USE:

Vaccination of healthy cattle is recommended

Aseptically rehydrate the freeze-dried vaccine with the sterile diluent provided, shake well and administer 2 ml intramuscularly, in the muscular region of the neck.

Primary Vaccination: Administer a single 2 ml dose to healthy cattle, followed by a second dose of **Bovi-Shield® GOLD 5**, 3–4 weeks later.

Revaccination: Annual revaccination with a single dose is recommended.

PRESENTATION:

Bovi-Shield® GOLD 5 is marketed in clear, sterile, sealed, 10 and 50 dose vials. A 10 dose vial is rehydrated with 20 ml sterile diluent and a 50 dose vial with 100 ml sterile diluent.

REGISTRATION HOLDER:

Pfizer Laboratories (Pty) Ltd
Registration No. 1954/000781/07
85 Bute Lane, Sandton, 2196
P O Box 783720, Sandton, 2146
For more information phone: 011- 3206000

Bovi-Shield® Gold and the Pfizer Logo are registered trademarks.

DECTOMAX[®] INJECTABLE SOLUTION

Pfizer Animal Health

(doramectin)

Antiparasitic

1% injectable solution for cattle and swine 10 mg/mL

PRODUCT DESCRIPTION: Dectomax injectable solution is a ready-to-use, colorless to pale yellow, sterile solution containing 1% w/v doramectin (10 mg/mL). In cattle, Dectomax is formulated to deliver the recommended dosage (200 mcg/kg of body weight) when given by subcutaneous (SC) or intramuscular (IM) injection at the rate of 1 mL/110 lb of body weight. In swine, Dectomax is formulated to deliver the recommended dosage (300 mcg/kg of body weight) when given by IM injection at the rate of 1 mL/75 lb of body weight.

PRODUCT CHARACTERISTICS: Dectomax injectable solution is a highly active, broad-spectrum parasiticide for parenteral administration to cattle and swine. It contains doramectin, a novel fermentation-derived macrocyclic lactone discovered by Pfizer Inc. Doramectin is isolated from fermentations of selected strains derived from the soil organism *Streptomyces avermitilis*.

A primary mode of action of macrocyclic lactones is to modulate chloride ion channel activity in the nervous system of nematodes and arthropods. Macrocyclic lactones bind to receptors that increase membrane permeability to chloride ions. This inhibits the electrical activity of nerve cells in nematodes and muscle cells in arthropods and causes paralysis and death of the parasites. In mammals, the neuronal receptors to which macrocyclic lactones bind are localized within the central nervous system (CNS), a site reached by only negligible concentrations of doramectin.

One dose of Dectomax injectable solution effectively treats and controls a wide range of roundworm and arthropod parasites that impair the health and productivity of cattle and swine. Studies have demonstrated the safety margin of Dectomax injection in cattle given up to 25 times the recommended dose, or in swine given up to 10 times the recommended dose. Studies also demonstrated safety in neonatal calves and piglets treated with up to 3 times the recommended dose. In males (bulls and boars) and females (cows and sows during folliculogenesis, implantation, organogenesis, and through gestation), a dose 3 times the recommended dose had no effect on breeding performance.

PRODUCT INDICATIONS: *Cattle:* Dectomax injectable solution is indicated for the treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, eyeworms, grubs (see PRECAUTIONS), sucking lice (see PRECAUTIONS), and mange mites. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

Gastrointestinal Roundworms (adults and fourth stage larvae) - *Ostertagia ostertagi* (including inhibited larvae), *O. lyrata*, *Haemonchus placei*, *Trichostrongylus axei*, *T. colubriformis*, *T. longispicularis*¹, *Cooperia oncophora*, *C. pectinata*¹, *C. punctata*, *C. surnabada* (syn. *mcmasteri*), *Bunostomum phlebotomum*¹, *Strongyloides papillosus*¹, *Oesophagostomum radiatum*, *Trichuris* spp.¹

Lungworms (adults and fourth stage larvae) - *Dictyocaulus viviparus*

Eyeworms (adults) - *Thelazia* spp.

Grubs (parasitic stages) - *Hypoderma bovis*, *H. lineatum*

Sucking Lice - *Haematopinus eurysternus*, *Linognathus vituli*, *Solenopotes capillatus*

Mange Mites - *Psoroptes bovis*, *Sarcoptes scabiei*

¹adults

Dectomax injectable solution has been proved to effectively control infections and to protect cattle from reinfection with *Cooperia oncophora* and *Haemonchus placei* for 14 days, *Ostertagia ostertagi* for 21 days, and *C. punctata*, *Oesophagostomum radiatum*, and *Dictyocaulus viviparus* for 28 days after treatment.

Swine: Dectomax injectable solution is indicated for the treatment and control of the following species of gastrointestinal roundworms, lungworms, kidney worms, sucking lice (see PRECAUTIONS), and mange mites. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

Gastrointestinal Roundworms (adults and fourth stage larvae) - *Ascaris suum*, *Oesophagostomum dentatum*, *Oesophagostomum*, *quadrspinulatum*¹, *Strongyloides ransomi*¹, *Hyostrongylus rubidus*¹

Lungworms (adults) - *Metastrongylus* spp. Kidney Worms (adults) - *Stephanurus dentatus*

Mange Mites (adults and immature stages) - *Sarcoptes scabiei* var. *suis*

Sucking Lice (adults and immature stages) - *Haematopinus suis*

¹adults

DOSAGE: *Cattle:* Administer Dectomax injectable solution at the recommended dosage of 200 mcg doramectin per kg (91 mcg/lb) of body weight. Each mL contains 10 mg of doramectin, sufficient to treat 110 lb (50 kg) of body weight.

Body Weight (lb)	Dose (mL)
110	1
220	2
330	3
440	4
550	5
660	6
770	7
880	8
990	9
1,100	10

Swine: Administer Dectomax injectable solution at the recommended dosage of 300 mcg doramectin per kg (136 mcg/lb) of body weight. Each mL contains 10 mg of doramectin, sufficient to treat 75 lb (34 kg) of body weight.

Body Weight (lb)	Dose (mL)
15	0.2
30	0.4
45	0.6
60	0.8
75	1.0
150	2.0
225	3.0
300	4.0
375	5.0
450	6.0

RECOMMENDED TREATMENT PROGRAM FOR SWINE: To effectively initiate control of mange and sucking lice in swine, it is important to treat all animals in the herd. After initial treatment, use Dectomax regularly as follows:

Breeding Animals:

Sows: Treat 7-14 days prior to farrowing to minimize exposure of piglets to mites and sucking lice.

Gilts: Treat 7-14 days prior to breeding. Treat 7-14 days prior to farrowing.

Boars: Treat a minimum of 2 times per year.

Feeder Pigs: Treat any new feeder pigs upon arrival at farm or before placement in clean quarters.

Weaners, Growers, Finishers: Weaners and grow-out/finisher pigs should be treated before placement in clean quarters.

For effective mange elimination, care must be taken to prevent reinfestation from exposure to untreated animals or contaminated facilities. **ADMINISTRATION:** Dry, sterile equipment and aseptic procedures should be used when withdrawing and administering Dectomax. For multiple treatments either automatic injection equipment or an aspirating needle should be used.

Cattle: Administer Dectomax injectable solution by the SC or IM route. Injections should be made using a 16 gauge needle for adult cattle or an 18 gauge needle for young animals.

Needles 1/2-3/4" in length are suggested for SC administration. A 1-1/2" needle is suggested for IM administration. SC injections should be administered under the loose skin in front of or behind the shoulder. IM injections should be administered into the muscular region of the neck. Beef Quality Assurance guidelines recommend SC administration as the preferred route.



Swine: Administer Dectomax injectable solution by the IM route. Inject in the neck region using an 18 gauge x 1" needle for young animals; a 16 gauge x 1-1/2" needle for sows and boars. To accurately meter doses administered to piglets, use of a tuberculin syringe and 20 gauge x 1" needle is recommended.



WARNINGS: Not for human use. Keep out of reach of children. The material safety data sheet (MSDS) contains more detailed occupational safety information. To report adverse effects in users, to obtain more information, or to obtain an MSDS, call 1-800-366-5288.

RESIDUE WARNINGS: *Cattle:* Do not slaughter for human consumption within 35 days of treatment. Not for use in female dairy cattle 20 months of age or older. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. *Swine:* Do not slaughter for human consumption within 24 days of treatment.

PRECAUTIONS: Dectomax has been developed specifically for use in cattle and swine only. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result.

For SC injection in cattle only. For IM injection in swine and cattle. This product is approved for the treatment and control of sucking lice. For treatment of biting lice in cattle, use of Dectomax Pour-On is recommended.

Dectomax is highly effective against all stages of cattle grubs. However, proper timing of treatment is important. For most effective results, cattle should be treated as soon as possible after the end of the heel fly (warble) season.

Destruction of *Hypoderma* larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions including the possibility of fatalities.

Killing *H. lineatum* when it is in the tissue surrounding the gullet may cause bloat; killing *H. bovis* when it is in the vertebral canal may cause staggering or paralysis. These reactions are not specific to treatment with Dectomax, but can occur with any successful treatment of grubs. Cattle should be treated either before or after these stages of grub development.

Consult your veterinarian concerning the proper time for treatment.

Cattle treated with Dectomax after the end of the heel fly season may be re-treated with Dectomax during the winter for internal parasites, mange mites, or sucking lice, without danger of grub-related reactions. A planned parasite control program is recommended.

ENVIRONMENTAL SAFETY: Studies indicate that when doramectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free doramectin may adversely affect fish and certain aquatic organisms. Do not permit water runoff from feedlots to enter streams or ponds. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill.

As with other avermectins, doramectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and life-cycle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

Store Below 30°C (86°F)

HOW SUPPLIED: Dectomax is available in 100-mL, 200-mL, and 500-mL multi-dose, rubber-capped glass vials. NADA #141-061, Approved by FDA

Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. Not for human use

Restricted Drug (CA) Use only as directed.

Laboratórios Pfizer Ltda. - Animal Health Division, Av. Monteiro Lobato, 2270, Guarulhos, São Paulo, Brasil CNPJ n° 46,070,868/0001-69

Licenciado no Ministério da Agricultura sob o n° 4,055/92, em 14/08/92 Licensed in the Ministry of Agriculture under

n° 4,055/92, on 08/14/92 Distributed by: Pfizer Animal Health, Div. of Pfizer Inc, NY, NY 10017 79-5199-00-8

July 2005 Made in Brazil

NAC No.: 36900094

EXCENEL[®] RTU STERILE SUSPENSION

by Zoetis

brand of ceftiofur hydrochloride sterile suspension

For intramuscular and subcutaneous use in cattle and intramuscular use in swine. This product may be used in lactating dairy cattle.

CAUTION: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION

EXCENEL RTU Sterile Suspension is a ready to use formulation that contains the hydrochloride salt of ceftiofur, which is a broad spectrum cephalosporin antibiotic.

Each mL of this ready-to-use sterile suspension contains ceftiofur hydrochloride equivalent to 50 mg ceftiofur, 0.50 mg phospholipon, 1.5 mg sorbitan monooleate, 2.25 mg sterile water for injection, and cottonseed oil.

Structure:

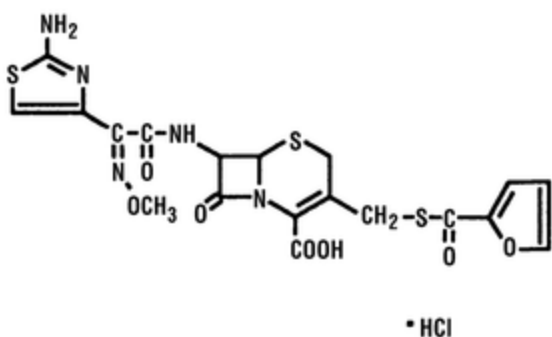


Figure 1.

Chemical Name of Ceftiofur Hydrochloride: 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[(2-amino-4-thiazolyl) (methoxyimino)-acetyl]amino]-3-[[[(2-furanyl-carbonyl) thio] methyl]-8-oxo-,hydrochloride salt [6R-[6 α ,7 β (Z)]]-

INDICATIONS

Swine: EXCENEL RTU Sterile Suspension is indicated for treatment/control of swine bacterial respiratory disease (swine bacterial pneumonia) associated with *Actinobacillus* (*Haemophilus*) *pleuropneumoniae*, *Pasteurella multocida*, *Salmonella choleraesuis* and *Streptococcus suis*.

Cattle: EXCENEL RTU Sterile Suspension is indicated for treatment of the following bacterial diseases:

- Bovine respiratory disease (BRD, shipping fever, pneumonia) associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*.
- Acute bovine interdigital necrobacillosis (foot rot, pododermatitis) associated with *Fusobacterium necrophorum* and *Bacteroides melaninogenicus*.
- Acute metritis (0 to 14 days post-partum) associated with bacterial organisms susceptible to ceftiofur.

DOSAGE AND ADMINISTRATION

Shake well before using.

Swine: Administer intramuscularly at a dosage of 1.36 to 2.27 mg ceftiofur equivalents/lb (3.0 to 5.0 mg/kg) BW (1 mL of sterile suspension per 22 to 37 lb BW). Treatment should be repeated at 24 h intervals for a total of three consecutive days.

Cattle:

- For bovine respiratory disease and acute interdigital necrobacillosis: administer by intramuscular or subcutaneous administration at the dosage of 0.5 to 1.0 mg ceftiofur equivalents/lb (1.1 to 2.2 mg/kg) BW (1 to 2 mL sterile suspension per 100 lb BW). Administer daily at 24 h intervals for a total of three consecutive days. Additional treatments may be administered on Days 4 and 5 for animals which do not show a satisfactory response (not recovered) after the initial three treatments.

In addition, for BRD only, administer intramuscularly or subcutaneously 1.0 mg ceftiofur equivalents/lb (2.2 mg/kg) BW every other day on Days 1 and 3 (48 h interval). Do not inject more than 15 mL per injection site.

Selection of dosage level (0.5 to 1.0 mg/lb) and regimen/duration (daily or every other day for BRD only) should be based on an assessment of the severity of disease, pathogen susceptibility and clinical response.

- For acute post-partum metritis: administer by intramuscular or subcutaneous administration at the dosage of 1.0 mg ceftiofur equivalents/lb (2.2 mg/kg) BW (2 mL sterile suspension per 100 lb BW). Administer at 24 h intervals for five consecutive days. Do not inject more than 15 mL per injection site.

CONTRAINDICATIONS

As with all drugs, the use of EXCENEL RTU Sterile Suspension is contraindicated in animals previously found to be hypersensitive to the drug.

WARNINGS

NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.

Penicillins and cephalosporins can cause allergic reactions in sensitized individuals. Topical exposures to such antimicrobials, including ceftiofur, may elicit mild to severe allergic reactions in some individuals. Repeated or prolonged exposure may lead to sensitization. Avoid direct contact of the product with the skin, eyes, mouth, and clothing.

Persons with a known hypersensitivity to penicillin or cephalosporins should avoid exposure to this product.

In case of accidental eye exposure, flush with water for 15 minutes. In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing. If allergic reaction occurs (e.g., skin rash, hives, difficult breathing), seek medical attention.

The material safety data sheet contains more detailed occupational safety information. To obtain a material safety data sheet (MSDS) please call 1-800-733-5500. To report any adverse event please call 1-800-366-5288.

RESIDUE WARNINGS:

Swine: When used according to label indications, dosage, and route of administration, treated swine must not be slaughtered for 4 days following the last treatment. Use of dosages in excess of those indicated or by unapproved routes of administration may result in illegal residues in edible tissues.

Cattle: When used according to label indications, dosage and route of administration, treated cattle must not be slaughtered for 3 days following the last treatment. When used according to label indications, dosage and route of administration, a milk discard time is not required. Uses of dosages in excess of those indicated or by unapproved routes of administration, such as intramammary, may result in illegal residues in edible tissues and/or milk. A withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.

PRECAUTIONS

The effects of ceftiofur on cattle and swine reproductive performance, pregnancy, and lactation have not been determined.

Swine: Areas of discoloration associated with the injection site at time periods of 11 days or less may result in trim-out of edible tissues at slaughter. The safety of ceftiofur has not been demonstrated for pregnant swine or swine intended for breeding.

Cattle: Following intramuscular or subcutaneous administration in the neck, areas of discoloration at the site may persist beyond 11 days resulting in trim loss of edible tissues at slaughter. Following intramuscular administration in the rear leg, areas of discoloration at the injection site may persist beyond 28 days resulting in trim loss of edible tissues at slaughter.

Tylan® 200

Injection

250 mL™

Tylosin

For Use In Cattle and Swine Only

200 mg per mL

An Antibiotic

Indications: In Beef Cattle and Non-lactating Dairy Cattle, Tylan 200 Injection is indicated for use in the treatment of bovine respiratory complex (shipping fever, pneumonia) usually associated with *Pasteurella multocida* and *Arcanobacterium pyogenes*; foot rot (necrotic pododermatitis) and calf diphtheria caused by *Fusobacterium necrophorum* and metritis caused by *Arcanobacterium pyogenes*.

In Swine, Tylan 200 Injection is indicated for use in the treatment of swine arthritis caused by *Mycoplasma hyosynoviae*; swine pneumonia caused by *Pasteurella* spp.; swine erysipelas caused by *Erysipelothrix rhusiopathiae*; swine dysentery associated with *Treponema hyodysenteriae* when followed by appropriate medication in the drinking water and/or feed.

Each mL contains 200 mg of tylosin activity (as tylosin base) in 50 percent propylene glycol with 4 percent benzyl alcohol and water for injection.

ADMINISTRATION AND DOSAGE:

Tylan 200 Injection is administered intramuscularly.

BEEF CATTLE AND NON-LACTATING DAIRY CATTLE – Inject intramuscularly 8 mg per pound of body weight one time daily (1 mL per 25 pounds). Treatment should be continued 24 hours following remission of disease signs, not to exceed 5 days. Do not inject more than 10 mL per site.

SWINE – Inject intramuscularly 4 mg per pound of body weight (1 mL per 50 pounds) twice daily. Treatment should be continued 24 hours following remission of disease signs, not to exceed 3 days. Do not inject more than 5 mL per site.

Read accompanying directions fully before use.

CAUTION:

Do not mix Tylan 200 Injection with other injectable solutions as this may cause a precipitation of the active ingredients.

WARNINGS:

NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.

Adverse reactions, including shock and death may result from overdosage in baby pigs.

Do not attempt injection into pigs weighing less than 25 pounds (0.5 mL) with the common syringe. It is recommended that Tylan 50 Injection be used in pigs weighing less than 25 pounds.

Do not administer to horses or other equines. Injection of tylosin in equines has been fatal.

RESIDUE WARNING: Swine:

Swine intended for human consumption must not be slaughtered within 14 days of the last use of this drug product.

RESIDUE WARNING: Cattle:

Cattle intended for human consumption must not be slaughtered within 21 days of the last use of this drug product. This drug product is not approved for use in female dairy cattle 20 months of age or older, including dry dairy cows. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. This product is not approved for use in calves intended to be processed for veal. A withdrawal period has not been established in pre-ruminating calves.

If tylosin medicated drinking water is used as a follow-up treatment for swine dysentery, the animal should thereafter receive feed containing 40 to 100 grams of tylosin per ton for 2 weeks to assure depletion of tissue residues.

Store at or below 25°C (77°F).

Elanco, Tylan and the diagonal bar are trademarks owned or licensed by Eli Lilly and Company, its subsidiaries or affiliates.

Restricted Drug (California) - Use Only as Directed.

NADA 12-965, Approved by FDA

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

Manufactured for:

Elanco Animal Health
A Division of Eli Lilly and Company
Indianapolis, IN 46285, USA

Tylan® 200

Inyectable

250 mL™

(tilosina)

Para uso exclusivo en ganado vacuno y cerdos

200 mg por ml

Un antibiótico

Indicaciones: En ganado vacuno y vacas lecheras no lactantes, Tylan 200 inyectable se indica para el tratamiento del complejo respiratorio bovino (fiebre de embarque, neumonía), generalmente asociado con *Pasteurella multocida* y *Arcanobacterium pyogenes*, piétin (pododermatitis necrótica), difteria de los terneros provocada por *Fusobacterium necrophorum* y metritis provocada por *Arcanobacterium pyogenes*.

En cerdos, Tylan 200 inyectable se indica para el tratamiento de artritis en cerdos provocada por *Mycoplasma hyosynoviae*, neumonía porcina causada por *Pasteurella* spp., erisipelas porcinas provocadas por *Erysipelothrix rhusiopathiae*, disentería porcina asociada con *Treponema hyodysenteriae* cuando es tratada con el medicamento apropiado a través del alimento y/o el agua para beber.

Cada ml contiene 200 mg de actividad de tilosina (como tilosina base) en propilenglicol al 50 por ciento, alcohol bencílico al 4 por ciento y agua para inyección.

POSOLÓGIA Y ADMINISTRACIÓN:

Tylan 200 inyectable se administra por vía intramuscular.

GANADO VACUNO Y VACAS LECHERAS NO LACTANTES – Inyectar por vía intramuscular 8 mg por libra de peso corporal una vez al día (1 ml cada 25 libras). El tratamiento debe continuarse durante 24 horas luego de la remisión de los signos de la enfermedad sin extenderse más de 5 días. No aplicar más de 10 ml por lugar de inyección.

CERDOS – Inyectar por vía intramuscular 4 mg por libra de peso corporal (1 ml cada 50 libras) dos veces al día. El tratamiento debe continuarse durante 24 horas luego de la remisión de los signos de la enfermedad sin extenderse más de 3 días. No aplicar más de 5 ml por lugar de inyección.

Leer todas las instrucciones adjuntas antes de usar.

PRECAUCIÓN:

No mezclar la inyección Tylan 200 con otras soluciones inyectables ya que esto puede ocasionar la precipitación de los principios activos.

ADVERTENCIAS:

ESTE PRODUCTO NO DEBE UTILIZARSE EN SERES HUMANOS. MANTENER FUERA DEL ALCANCE DE LOS NIÑOS.

Pueden ocurrir reacciones adversas, incluidos shock y muerte, en caso de sobredosis en crías de cerdos. No administrar la inyección a cerdos que pesen menos de 25 libras (0.5 ml) con la jeringa común. Se recomienda usar la inyección Tylan 50 en cerdos que pesen menos de 25 libras. No administrar a caballos u otros equinos. La inyección de tilosina en equinos ha resultado mortal.

ADVERTENCIA ACERCA DE RESIDUOS: Ganado porcino:

el ganado porcino previsto para consumo humano no se debe faenar durante los 14 días posteriores al último uso de este producto farmacológico.

ADVERTENCIA ACERCA DE RESIDUOS: Ganado bovino:

el ganado bovino previsto para consumo humano no se debe faenar durante los 21 días posteriores al último uso de este producto farmacológico. Este producto farmacológico no está aprobado para su uso en ganado bovino lechero hembra de 20 meses de edad o más, incluidas las vacas lecheras secas. El uso en este ganado bovino puede producir residuos farmacológicos en la leche y/o en los terneros nacidos de estas vacas. Este producto no está aprobado para el uso en terneros que se procesarán para carne de ternera. No se ha establecido un período de retiro del fármaco en terneros prerrumiantes.

Si se suministra agua para beber con tilosina como tratamiento de seguimiento para la disentería porcina, el animal debe recibir posteriormente alimento que contenga entre 40 y 100 gramos de tilosina por tonelada durante 2 semanas para garantizar la depleción de los residuos de tejidos.

Almacenar a 25 °C (77 °F) o menos.

Elanco, Tylan y la barra diagonal son marcas registradas propiedad de o licenciadas a Eli Lilly and Company o sus filiales.

Medicamento restringido (California). Usar únicamente según las instrucciones.

NADA 12-965, Aprobado por la FDA

Para informar efectos adversos, obtener información médica o información adicional sobre el producto, llame al 1-800-428-4441.

Fabricado por:

Elanco Animal Health
Una división de Eli Lilly and Company
Indianapolis, IN 46285, USA

County_____

Team Members _____

Intermediate Team Quality Assurance Exercise - 2015

You are a beef producer and operate a 500-head feedlot that typically feeds calves from about 600 pounds to finished weight for market. As a practical way to keep track of steers that have been injured or treated for illness, you sort them into one pen that you keep designated as a hospital or “sick” pen. There are five (5) steers in the sick pen that have reached finish weight and have fully recovered their problems. You want to send as many of these steers as possible to market on Monday, February 23, 2015, and need to make sure any withdrawal times are over. Using the five (5) medication inserts provided, answer the questions below and finish filling in the table of treatment records on the reverse side of this page. Once the table is filled in, list the steers that can be sold tomorrow and those that should be held until a later date. A calendar is provided for your use as well. (Each answer is worth 7 points each for a total of 210 points)

NOTES ON TREATMENTS:

- Assume you accurately followed the directions on the medication insert.
- Assume the treatment date given in the treatment records is the last date of treatment
- If a range of recommended dosage is given on the medication insert, assume you gave the highest dosage recommended

- 1) Which medication is a modified live virus? _____
- 2) When giving Tylan 200, what’s the largest amount that should be administered in one site? ____mL
- 3) Which of the medications could also be given to sheep? _____
- 4) Which of the medications is approved for use in a 3-yr old lactating dairy cow? _____
- 5) Which of the medications has to be rehydrated before use? _____

[OVER]

TREATMENT RECORD

Treatment Date & Time	Steer Treated (Tag #)	Steer Weight	Condition Being Treated	Medication Given	Route Given ^a	Amount Given	Required Withdrawal Period (days)	Date & Time Withdrawal Complete
Feb. 3, 2015 9:00 a.m.	# 57	1200 lbs	Pneumonia	Tylan 200				
Jan. 2, 2015 10:00 a.m.	# 49	1210 lbs	Roundworms	Dectomax				
Dec. 24, 2014 2:30 p.m.	# 76	1175 lbs	Bovine Viral Diarrhea Virus	Bovi-Shield Gold 5				
Feb. 10, 2015 8:00 a.m.	# 28	1250 lbs	Foot Rot	Draxxin				
Feb. 10, 2015 12:00 noon	# 50	1150 lbs	Bovine Respiratory Disease	Excenel				

Intramuscular = IM
Subcutaneous = SC

Steers That Can be Sold Tomorrow

Steers to Hold Until a Later Date

Intravenous = IV
Topical = T
Added to feed = F

DECEMBER

JANUARY

FEBRUARY

S M T W T F S

S M T W T F S

S M T W T F S

1 2 3 4 5 6

1 2 3

1 2 3 4 5 6 7

7 8 9 10 11 12 13

4 5 6 7 8 9 10

8 9 10 11 12 13 14

14 15 16 17 18 19 20

11 12 13 14 15 16 17

15 16 17 18 19 20 21

21 22 23 24 25 26 27

18 19 20 21 22 23 24

22 23 24 25 26 27 28

28 29 30 31

25 26 27 28 29 30 31

County ANSWER KEY

Team Members _____

Intermediate Team Quality Assurance Exercise - 2015

You are a beef producer and operate a 500-head feedlot that typically feeds calves from about 600 pounds to finished weight for market. As a practical way to keep track of steers that have been injured or treated for illness, you sort them into one pen that you keep designated as a hospital or “sick” pen. There are five (5) steers in the sick pen that have reached finish weight and have fully recovered their problems. You want to send as many of these steers as possible to market on Monday, February 23, 2015, and need to make sure any withdrawal times are over. Using the five (5) medication inserts provided, answer the questions below and finish filling in the table of treatment records on the reverse side of this page. Once the table is filled in, list the steers that can be sold tomorrow and those that should be held until a later date. A calendar is provided for your use as well. (Each answer is worth 7 points each for a total of 210 points)

NOTES ON TREATMENTS:

- Assume you accurately followed the directions on the medication insert.
- Assume the treatment date given in the treatment records is the last date of treatment
- If a range of recommended dosage is given on the medication insert, assume you gave the highest dosage recommended

- 1) Which medication is a modified live virus? BOVI-SHIELD GOLD 5
- 2) When giving Tylan 200, what is the largest amount that should be administered in one site? 10 ml
- 3) Which of the medications could also be given to sheep? NONE
- 4) Which of the medications is approved for use in a 3-yr old lactating dairy cow? EXCENEL
- 5) Which of the medications has to be rehydrated before use? BOVI-SHIELD GOLD 5

[OVER]

TREATMENT RECORD

Treatment Date & Time	Steer Treated (Tag #)	Steer Weight	Condition Being Treated	Medication Given	Route Given ^a	Amount Given	Required Withdrawal Period (days)	Date & Time Withdrawal Complete
Feb. 3, 2015 9:00 a.m.	# 57	1200 lbs	Pneumonia	Tylan 200	IM	48 mL	21 days	Feb. 24, 2015 9:00 a.m.
Jan. 2, 2015 10:00 a.m.	# 49	1210 lbs	Roundworms	Dectomax	SC or IM	11 mL	35 days	Feb. 6, 2015 10:00 a.m.
Dec. 24, 2014 2:30 p.m.	# 76	1175 lbs	Bovine Viral Diarrhea Virus	Bovi-Shield Gold 5	IM	2 mL	21 days	Jan. 14, 2015 2:30 p.m.
Feb. 10, 2015 8:00 a.m.	# 28	1250 lbs	Foot Rot	Draxxin	SC	13.75 mL	18 days	Feb. 28, 2015 8:00 a.m.
Feb. 10, 2015 12:00 noon	# 50	1150 lbs	Bovine Respiratory Disease	Excenel	IM or SC	23 mL	3 days	Feb. 13, 2015 12:00 noon

Intramuscular = IM
Subcutaneous = SC

Steers That Can be Sold Tomorrow

49

76

50

Steers to Hold Until a Later Date

57

#28

Intravenous = IV
Topical = T
Added to feed = F

Patriot



Tank



1994



Babe Ruth



Ralph



County_____

Team Members

Intermediate Team Breeding Exercise – 2015

Your team is managing a 200 head commercial cow-calf operation that sells feeder calves to a feedlot. You are paid premiums for calves that will mature quickly and will likely grade choice. Your herd consists of mainly Sim / Ang cross cows. You have been using Charolais bulls lately that are producing growthy calves, but are not grading choice. You have decided to replace two (2) of your bulls and buy two (2) new bulls. The bulls you purchase will only be used to sire feeder calves; twenty-five percent of the heifers will be saved as replacements. Using pictures of the bulls and the data on the back side of this sheet, circle your answers to the questions below and then discuss with the Contest Official why your group selected the two (2) bulls you did.

[There are 9 answers to the questions worth 10 points each for a total of 90 possible points and your discussion with the Official is worth 110 possible points for a grand total of 200 possible points.]

Circle Your Choices

1.) Which Bull has the best balance of EPDs?

Patriot Tank 1994 Babe Ruth Ralph

2.) Which Bull had the poorest EPDs?

Patriot Tank 1994 Babe Ruth Ralph

3.) Which Bull will produce daughters which will need more feed to maintain body condition during lactation?

Patriot Tank 1994 Babe Ruth Ralph

4.) Which 2 Bulls would you select on paper?

Patriot Tank 1994 Babe Ruth Ralph

5.) Which Bulls calves should net you and the feedlot the most money?

Patriot Tank 1994 Babe Ruth Ralph

6.) Which Bull could throw the most calving difficulty into your cow herd?

Patriot Tank 1994 Babe Ruth Ralph

7.) Which Bull visually has the largest scrotal circumference?

Patriot Tank 1994 Babe Ruth Ralph

8.) Between 1994 and Babe Ruth which bull appears to be bolder in his fore rib and heart?

Patriot Tank 1994 Babe Ruth Ralph

EPDs for Angus Bulls

Bulls	BW	WW	YW	SC	Milk	Marb	RE	Fat	\$B
Patriot	+1.5	+52	+91	+82	+23	+56	+50	+014	+85.24
Tank	+1.4	+55	+96	+96	+25	+58	+50	+016	+90.60
1994	+4.0	+45	+78	+67	+21	+42	+29	+007	+73.37
Babe Ruth	+1.8	+49	+86	+81	+23	+49	+45	+011	+84.61
Ralph	+1.8	+52	+85	+73	+27	+54	+49	+009	+84.97
Breed Averages	+1.7	+49	+86	+79	+23	+45	+39	+011	+80.81

County_____Answer Key_____

Team Members

Intermediate Team Breeding Exercise – 2015

Your team is managing a 200 head commercial cow-calf operation that sells feeder calves to a feedlot. You are paid premiums for calves that will mature quickly and will likely grade choice. Your herd consists of mainly Sim / Ang cross cows. You have been using Charolais bulls lately that are producing growthy calves, but are not grading choice. You have decided to replace two (2) of your bulls and buy two (2) new bulls. The bulls you purchase will only be used to sire feeder calves; twenty-five percent of the heifers will be saved as replacements. Using pictures of the bulls and the data on the back side of this sheet, circle your answers to the questions below and then discuss with the Contest Official why your group selected the two (2) bulls you did.

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Circle Your Choices

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Patriot **Tank** 1994 Babe Ruth Ralph

2.) Which Bull had the poorest EPDs?

Patriot Tank **1994** Babe Ruth Ralph

3.) Which Bull will produce daughters which will need more feed to maintain body condition during lactation?

Patriot Tank 1994 Babe Ruth **Ralph**

4.) Which 2 Bulls would you select on paper?

Patriot Tank 1994 Babe Ruth Ralph

5.) Which Bulls calves should net you and the feedlot the most money?

Patriot Tank 1994 Babe Ruth Ralph

6.) Which Bull could throw the most calving difficulty into your cow herd?

Patriot Tank 1994 Babe Ruth Ralph

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Patriot Tank 1994 Babe Ruth Ralph

8.) Between 1994 and Babe Ruth which bull appears to be bolder in his fore rib and heart?

Patriot Tank 1994 Babe Ruth Ralph

EPDs for Angus Bulls

Bulls	BW	WW	YW	SC	Milk	Marb	RE	Fat	\$B
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Tank	+1.4	+55	+96	+96	+25	+58	+50	+016	+90.60
1994	+4.0	+45	+78	+67	+21	+42	+29	+007	+73.37
Babe Ruth	+1.8	+49	+86	+81	+23	+49	+45	+011	+84.61
Ralph	+1.8	+52	+85	+73	+27	+54	+49	+009	+84.97
Breed Averages	+1.7	+49	+86	+79	+23	+45	+39	+011	+80.81