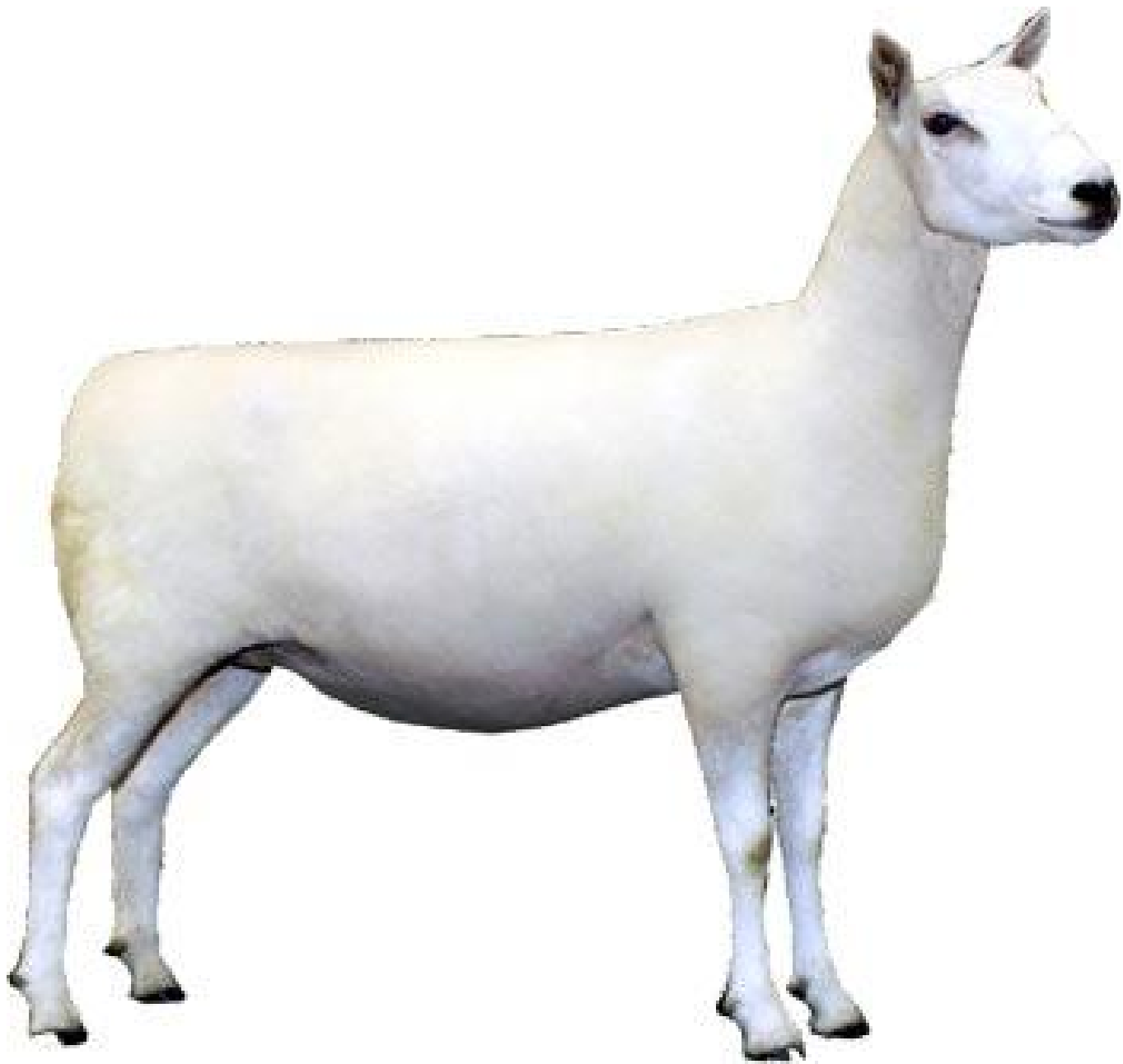


1.



2.



3.



4.



5.



6.



7.



8.



9.



10.



Name _____ **KEY** _____ Contestant # _____ County _____

Clover Livestock Breeds Identification – 2020

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

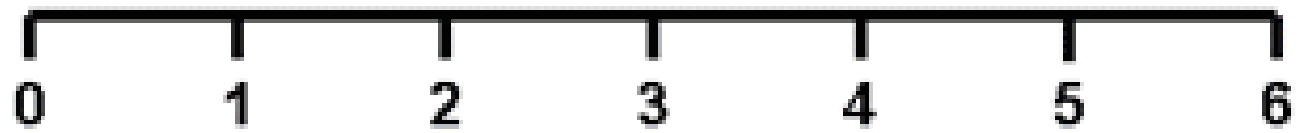
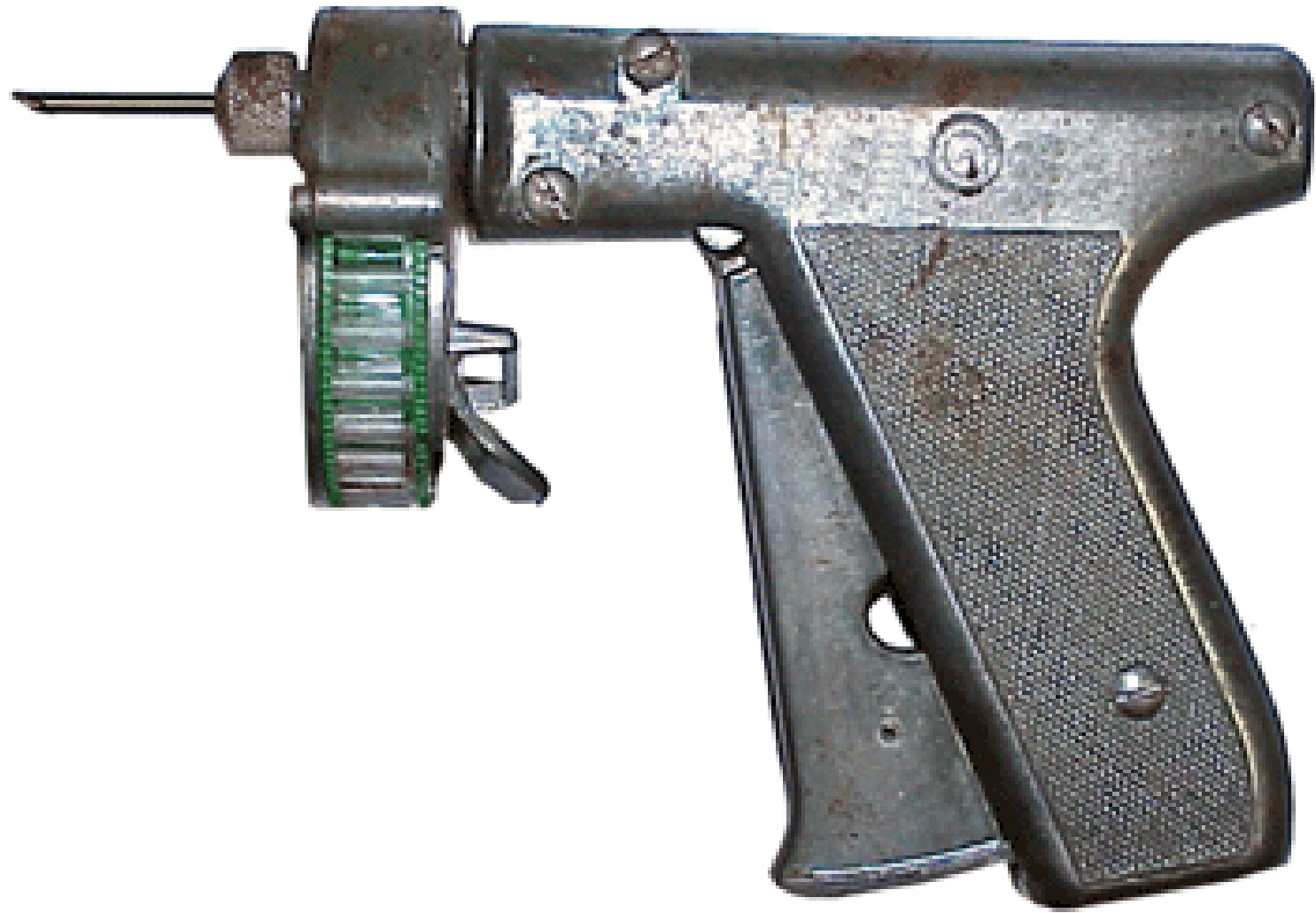
Breed
Name

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

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

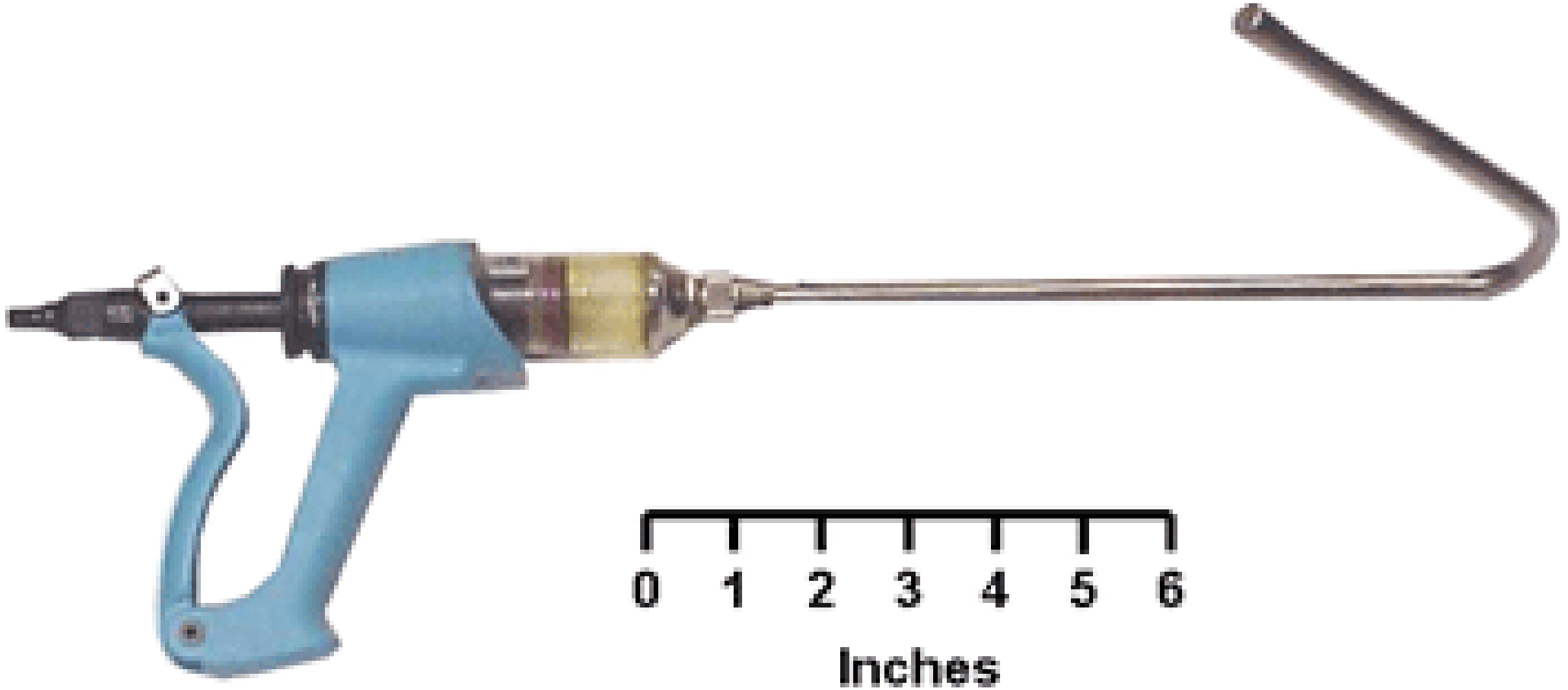
<u>Beef Breeds</u>	<u>Swine Breeds</u>	<u>Sheep Breeds</u>	<u>Goat Breeds</u>
A. Angus	D. Poland	G. Suffolk	J. Spanish
B. Shorthorn	E. Hampshire	H. Cheviot	
C. Brangus	F. Landrace	I. Katahdin	

1.

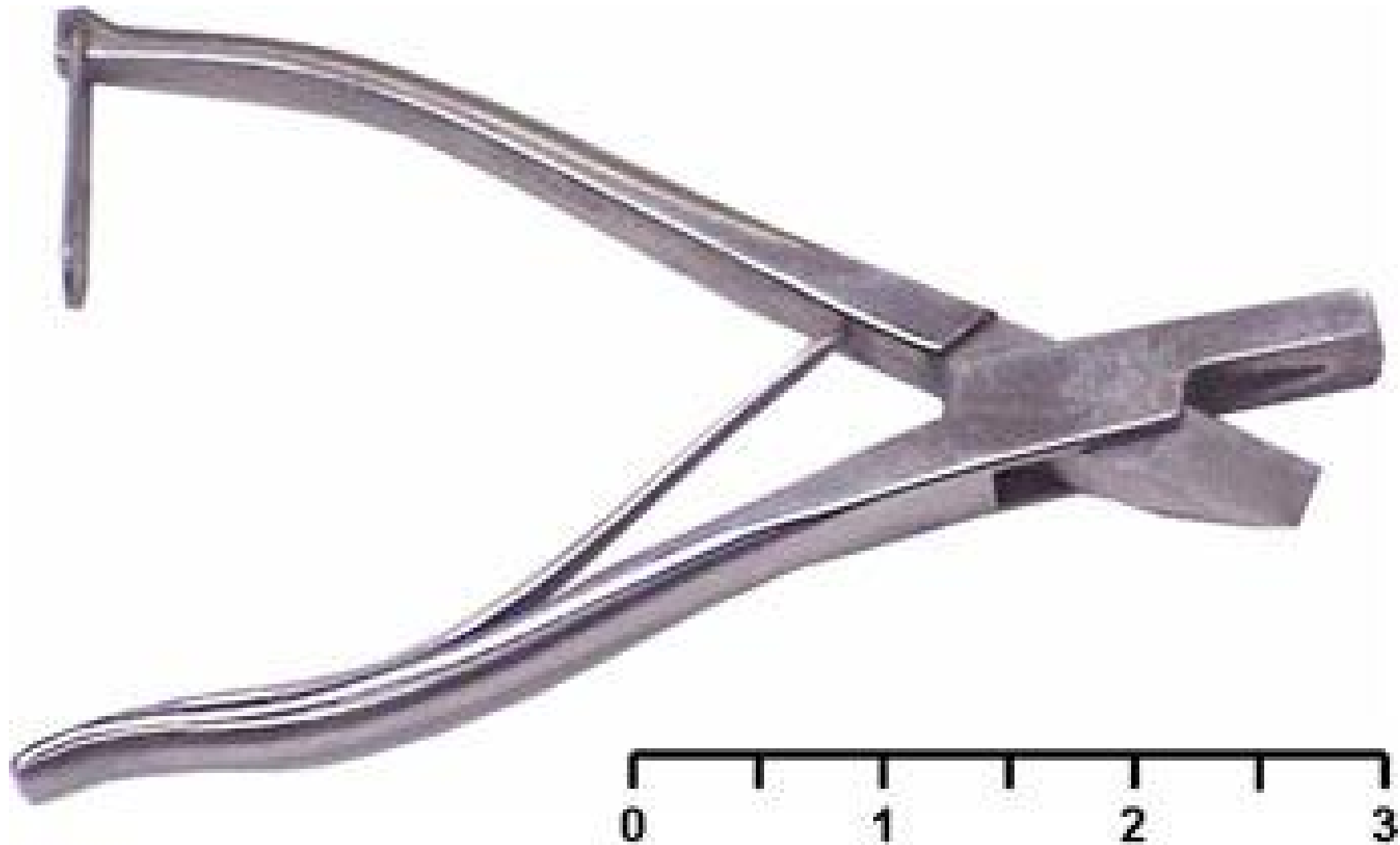


Inches

2.

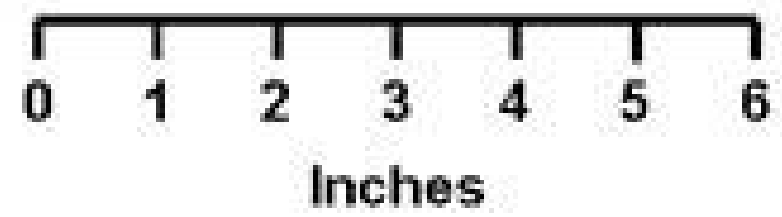


3.

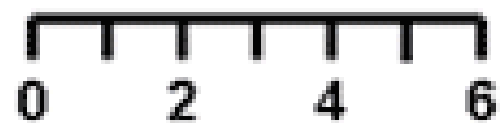


Inches

4.

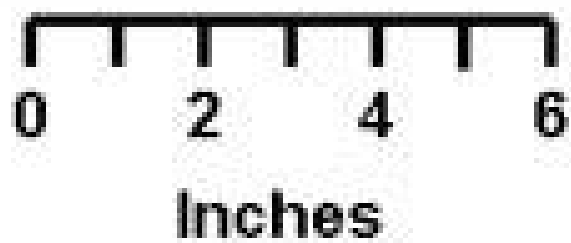


5.

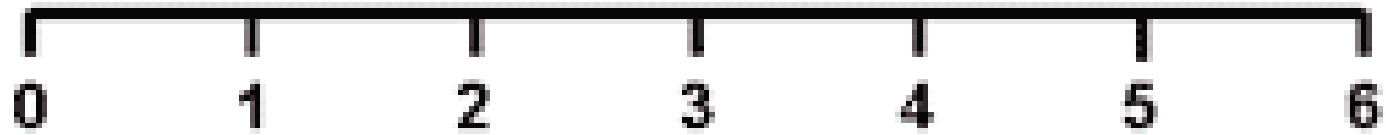


Inches

6.

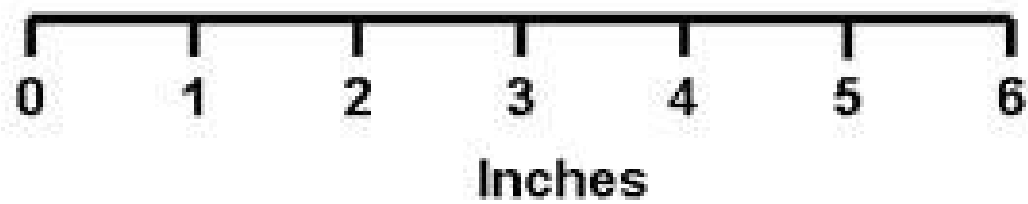
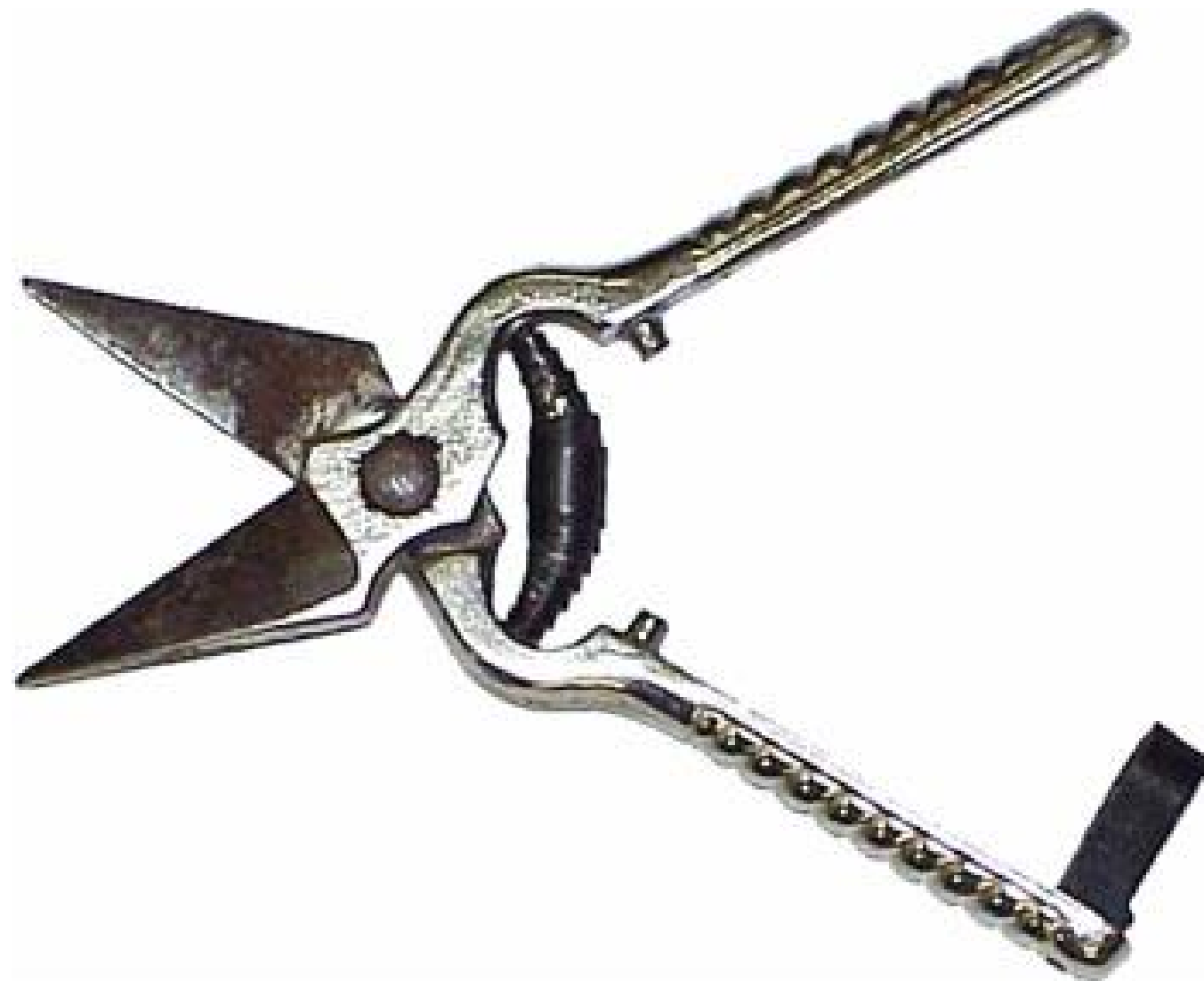


7.

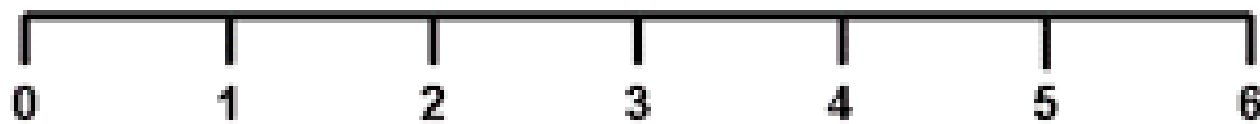


Inches

8.

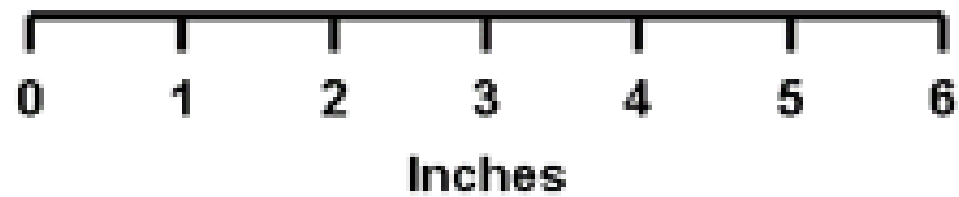


9.



Inches

10.



Clover Livestock and Meat Equipment Identification – 2020

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

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

- Equipment Names – to be used in answer column 1 by Clovers**
-
- A. Drench Gun
 - B. Rope Sheep Halter
 - C. Scalpels
 - D. Barnes Dehorner
 - E. Pistol Grip Syringe
 - F. Ram Marking Harness
 - G. Currycomb
 - H. RALGRO Pellet Injector
 - I. Foot Rot Shears
 - J. Ear Notchers

Name _____ **KEY** _____ Contestant # _____ Team _____

Clover Livestock Feed Identification – 2020

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

Feedstuff
Name

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

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

- A. Grain Sorghum
- B. Corn, Ground Ear
- C. Barley, Whole
- D. Corn, Shelled Cracked
- E. Cottonseed Whole
- F. Trace Mineralized Salt
- G. Corn, Shelled (whole kernel)
- H. Oats, Whole
- I. Cottonseed Hulls
- J. Molasses, liquid

Clover Division Hay Judging – 2020

Key

Placing: 1-4-3-2 Cuts: 2-5-2

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class

Hay Judging Class

A	1	2	3	4	36
B	1	2	4	3	41
C	1	3	2	4	38
D	1	3	4	2	45
E	1	4	2	3	48
F	1	4	3	2	50
G	2	1	3	4	27
H	2	1	4	3	32
I	2	3	1	4	20
J	2	3	4	1	18
K	2	4	1	3	30
L	2	4	3	1	23
M	3	1	2	4	31
N	3	1	4	2	38
O	3	2	1	4	22
P	3	2	4	1	20
Q	3	4	1	2	36
R	3	4	2	1	27
S	4	1	2	3	46
T	4	1	3	2	48
U	4	2	1	3	37
V	4	2	3	1	30
W	4	3	1	2	41
X	4	3	2	1	32

BAYER HEALTHCARE LLC
Animal Health Division
P.O. BOX 390, SHAWNEE MISSION, KS, 66201-0390
Customer Service Tel.: 800-633-3796
Customer Service Fax: 800-344-4219
Website: www.bayer-ah.com



Every effort has been made to ensure the accuracy of the information published. However, it remains the responsibility of the readers to familiarize themselves with the product information contained on the USA product label or package insert.

CORATHON®

Bayer Animal Health

Insecticide Cattle Ear Tag for use on Beef and Non-Lactating Dairy Cattle to Control Face Flies, Horn Flies, Gulf Coast Ticks and Spinose Ear Ticks for up to 5 months

For use with Allflex® Universal Total Tagger with red pin and black clip.

- **Controls horn flies (including pyrethroid- and chlorinated hydrocarbon-resistant horn flies), Gulf Coast ticks, face flies and spinose ear ticks for up to 5 months.**
- **Contains 50% organophosphate insecticides.**
- **FyberTek® allows for maximum insecticide holding capacity and even dispersion of insecticide.**

ACTIVE INGREDIENTS:	Percent By Weight
Coumaphos	15%
Diazinon	35%
OTHER INGREDIENTS:	50%
TOTAL	100%

Net Contents: 2 Pouches of 10 Tags Each, 0.5 oz (14 grams) per tag

STOP - Read the label before each use.

Keep Out of Reach of Children.

CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(**TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some people. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils) when applying tags.

First Aid	
If on Skin or Clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.

If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person or convulsing person.
<p>HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment, call 1-800-422-9874. For customer service or to obtain product information, including the MSDS, call 1-800-633-3796.</p>	
<p>Note to Physician: This product contains cholinesterase inhibitors. If symptoms of cholinesterase inhibition are present, atropine sulfate, by injection, is antidotal. 2-PAM is also antidotal and may be administered but only in conjunction with atropine.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils)

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds, fish and wildlife. Do not apply directly to water. Do not contaminate water when disposing of used tags.

CORATHON® QUICK FACTS

- Controls horn flies (including pyrethroid- and chlorinated hydrocarbon-resistant horn flies), Gulf Coast ticks, face flies and spinose ear ticks for up to 5 months.
- Contains 50% organophosphate insecticides.
- FyberTek® allows for maximum insecticide holding capacity and even dispersion of insecticide.

WHERE TO APPLY

- Beef and Non-Lactating Dairy Cattle.

HOW TO APPLY

- Use Allflex® Universal Total Tagger with red pin and black clip to apply tags to cattle.

COVERAGE

- All mature animals in the herd should be tagged.
- For optimum control of horn flies, face flies, Gulf Coast ticks and spinose ear ticks, attach one tag to each ear (two tags per animal) per mature animal.
- Use one ear tag per calf.
- For adequate control of horn flies, face flies, Gulf Coast ticks and spinose ear ticks, attach one tag per mature animal.

RE-APPLY

- Corathon® has been proven to be effective against horn flies and face flies for up to 5 months.
- Replace as necessary.
- Remove tags at end of fly season or prior to slaughter.

QUESTIONS?

- For questions or comments, call toll-free 1-800-633-3796.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in possession of the user at the time of pesticide application.

IMPORTANT

Read the entire Directions for Use, Conditions of Sale and Disclaimer of Limited Warranty and Limitation of Damages before using this product.

CONDITIONS OF SALE

The directions on this label are believed to be adequate and must be followed carefully. This product has been tested under different environmental conditions similar to those that are ordinary and customary for use of the product. However, it is impossible to eliminate all risks associated with the use of this product. Failure to follow label directions may cause injury to animals, humans and damage to the environment. Insufficient control of pests, injury or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer HealthCare LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Reformulation or repackaging of this product is prohibited.

For the control of horn flies (including pyrethroid- and chlorinated hydrocarbon-resistant horn flies), face flies, Gulf Coast ticks and spinose ear ticks on beef and non-lactating dairy cattle.

For adequate control of horn flies, face flies, Gulf Coast ticks and spinose ear ticks attach one tag per mature animal. For optimum control of horn flies, face flies, Gulf Coast ticks and spinose ear ticks, attach one tag to each ear (two per animal) per mature animal. For calves, apply one tag per animal. Replace as necessary. Corathon® has been proven to be effective against horn flies and face flies for up to 5 months. Use the Allflex® Universal Total Tagger with the red pin and black clip to apply tags to cattle.

Apply as indicated (Figures 1-4). Remove tags at end of fly season or prior to slaughter.

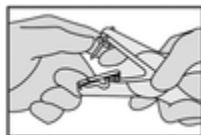


Figure 1
Disinfect pliers prior to use. Place male button onto pin until it projects through the tip.



Figure 2
Slide tag under the clip of the pliers by depressing the lever.



Figure 3
Position tag in the center portion of the front side of the ear.



Figure 4
Apply the tag between the second and third rib cartilage.

Continual exposure of horn flies to a single class of insecticide (e.g., pyrethroids, organophosphates, or chlorinated hydrocarbons) may lead to the development of resistance to that class of insecticide. In order to reduce the possibility of horn flies developing resistance, it is important to rotate the class of insecticide used and/or the method of horn fly control on a seasonal basis. Corathon® contains the organophosphate insecticides coumaphos and diazinon.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store in cool place in original container. Opened pouches containing ear tags should be resealed for storage.

Pesticide Disposal

Waste (spent tags) resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Non-refillable container. Do not reuse or refill this container. Dispose of empty pouch in a sanitary landfill or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND LIMITATION OF DAMAGES

Bayer HealthCare LLC, Animal Health Division warrants that this material conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL, and no agent of Bayer is authorized to make or modify any warranties beyond those contained herein. To the extent consistent with applicable law, any damages arising from breach of this warranty shall be limited to direct damages and shall not include special, incidental or consequential damages resulting from the use of handling of this product.

Bayer, the Bayer Cross, Corathon and FyberTek are registered trademarks of Bayer.

Allflex is a registered trademark of Allflex USA, Inc.

Corathon® has a patent pending.

EPA Reg. No. 11556-148	EPA Est. No. 87823-MO-001
------------------------	---------------------------

Bayer HealthCare LLC, Animal Health Division, P.O. Box 390, Shawnee Mission, Kansas 66201 U.S.A.
81531197, R.4

Regulations for product use are established by country. Information contained on this site pertains only to the United States of America, and is not intended to provide adequate information for product use. Before using or dispensing any product, read and carefully observe the label directions.

Name _____ **Key** _____ Contestant# _____ County _____

Clover Individual Quality Assurance – 2020

You have a small cattle operation in Central Kentucky. You are wanting to minimize the amount of fly's that could be a nuisance and spread diseases during the hot summer months. You were told by your vet to try Corathon Fly Tags as a preventative measure. Use the **Corathon label** to answer the **5 questions** below relating to this product. **Circle the best most complete answer.** (5 questions are 10 points per question for 50 total points).

1. What percentage by weight is Diazinon the active ingredient?

- a.) 15%
- b.) 50%
- c.) 35%
- d.) 100%

2. Who makes Corathon Ear Tags?

- a.) Animal Health Division
- b.) The Coop
- c.) Bayer Healthcare LLC Animal Health Division
- d.) Zoetis

3. For optimum control of horn flies, face flies, etc., what should a mature cow receive?

- a.) One Tag
- b.) One Tag per ear
- c.) Three to Four Tags
- d.) None of the above

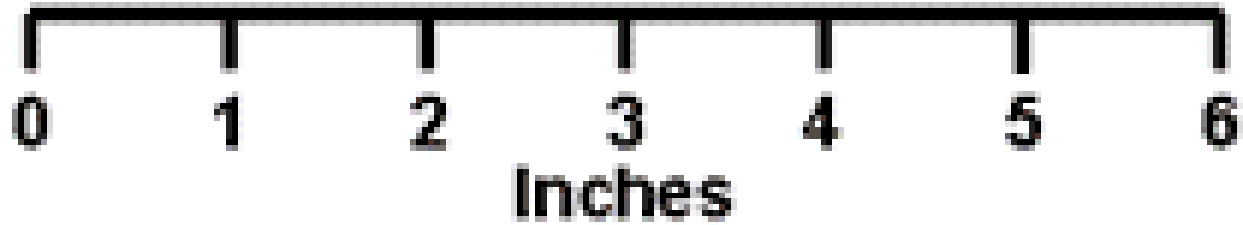
4. How long has Corathon been proven to be effective for?

- a.) 5 Months
- b.) 3 Months
- c.) All Summer
- d.) 8 Months

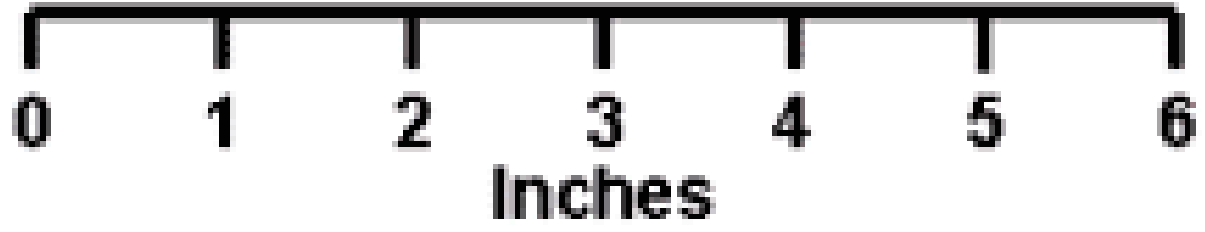
5. If this product was to get in your eyes, what should you do?

- a.) Take out contact lenses if present
- b.) Rinse eye with water for 15-20 mins.
- c.) Call poison control
- d.) All of these.

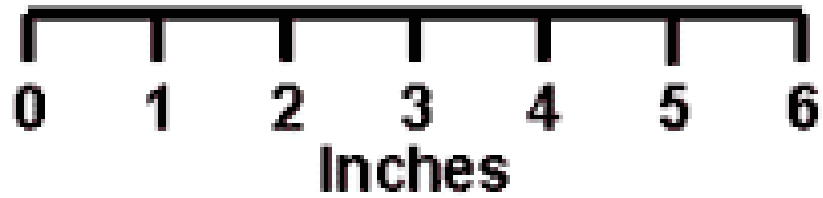
1.



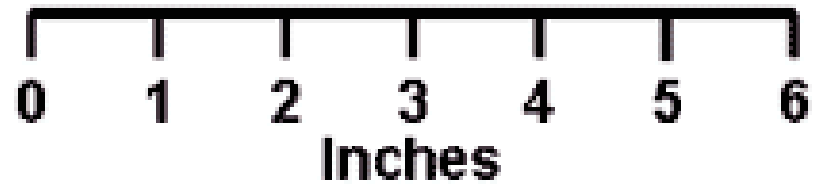
2.



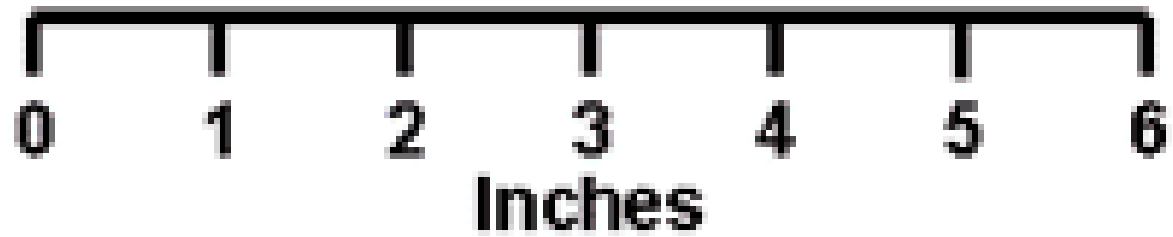
3.



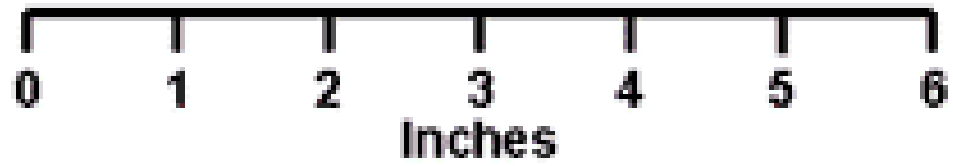
4.



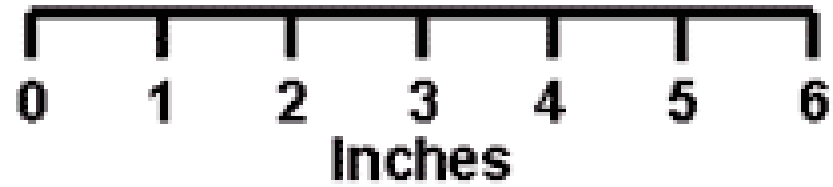
5.



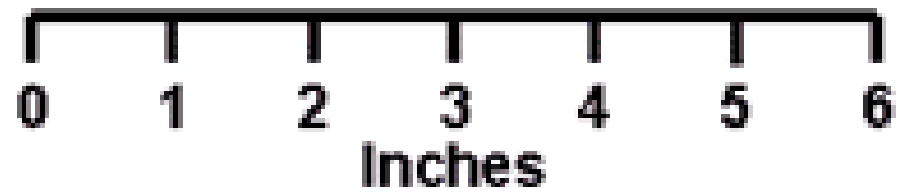
6.



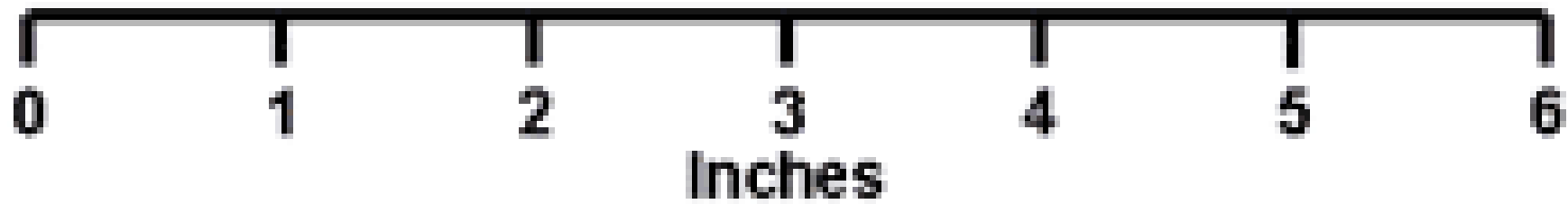
7.



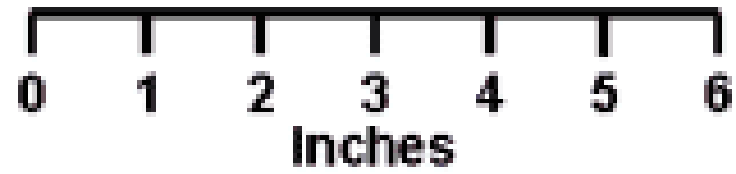
8.



9.



10.



Clover Retail Meat Cut Identification – 2020

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

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

Retail Names – to be used in answer column

Beef Retail Meat Cuts

- A. Kidney
- B. 7-bone Steak
- C. T-Bone Steak
- D. Eye Round Steak

Lamb Retail Meat Cuts

- E. Leg Shank Half
- F. Loin Chop
- G. Rib Roast

Pork Retail Meat Cuts

- H. Fresh Side Pork
- I. Blade Roast
- J. Fresh Ham Center Slice

Clover Retail Meat Judging – 2020

Name KEY Contestant # _____ County _____

Placing is worth a possible 50 points

Placing: 2,1,3,4

Cuts: 3-5-3

Contestant Number _____

Placing Score _____

*University of Kentucky
College of Agriculture
Animal Sciences Department*

Contestant's Name

Address

County

Class: Pork Loins

A	1 2 3 4	47
B	1 2 4 3	44
C	1 3 2 4	39
D	1 3 4 2	28
E	1 4 2 3	33
F	1 4 3 2	25
G	2 1 3 4	50
H	2 1 4 3	47
I	2 3 1 4	45
J	2 3 4 1	37
K	2 4 1 3	39
L	2 4 3 1	34
M	3 1 2 4	34
N	3 1 4 2	23
O	3 2 1 4	37
P	3 2 4 1	29
Q	3 4 1 2	15
R	3 4 2 1	18
S	4 1 2 3	25
T	4 1 3 2	17
U	4 2 1 3	28
V	4 2 3 1	23
W	4 3 1 2	12
X	4 3 2 1	15

Name _____ **KEY** _____ Contestant# _____ County _____

Clover Quiz – 2020

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.) Which sheep would you expect to shear the finest, highest quality fleece?
 - a. Rambouillet
 - b. Suffolk
 - c. Dorper
 - d. Katahdin
- 2.) The term “sickle hocked” refers to what condition?
 - a. Too little set to hocks
 - b. Too much set to hocks
 - c. Swelling on the hocks
 - d. Hocks are too little
- 3.) Which of the following is a ruminant animal?
 - a. Cow
 - b. Ewe
 - c. Doe
 - d. All of the above
- 4.) Which of the following pig breeds is known for conception rates and meat quality?
 - a. Duroc
 - b. Landrace
 - c. Yorkshire
 - d. Berkshire
- 5.) How many steers are born in the United States each year?
 - a. 10 million
 - b. 100,000 thousand
 - c. 1 thousand
 - d. 0
- 6.) A baby sheep that is born dead is called what?
 - a. Wether
 - b. Stillborn
 - c. Weanling
 - d. Both A and C
- 7.) What is the amount intramuscular fat in cattle associated with?
 - a. Quality grade
 - b. Yield grade
 - c. Showring appeal
 - d. None of the above
- 8.) The Kentucky State Fair is held in _____?
 - a. Louisville
 - b. Lexington
 - c. London
 - d. Murray

9.) Which method of identification is NOT applied to the ear of an animal?

- a. Ear Notch
- b. Tag
- c. Freeze Brand
- d. Tattoo

10.) Permanently separating a young animal from its mother is called _____?

- a. Creep Feeding
- b. Weaning
- c. Supplementing
- d. Cross-Fostering

11.) In which part of cattle do you find the pin bone?

- a. Hip
- b. Back
- c. Shoulder
- d. Rear Leg

12.) What does subcutaneous mean?

- a. In the muscle
- b. In the skin
- c. Beneath the skin
- d. In the joint

13.) What is most important when selecting gilts to be used as replacements?

- a. Color and breed
- b. Structural and reproductive soundness
- c. Bone and foot size
- d. Muscle

14.) How many piglets are normally in a litter?

- a. 35
- b. 8 to 12
- c. 1 to 2
- d. 20 to 29

15.) Which word means “to give birth to calves”?

- a. Kidding
- b. Farrowing
- c. Calving
- d. Breeding

16.) What is the first milk from a ewe called?

- a. Lactaid
- b. Colostrum
- c. Syrup
- d. Milk

17.) What is the process of eliminating an unwanted animal of poor quality called?

- a. Culling
- b. Cutting
- c. Castration
- d. Confinement

18.) What is the normal body temperature (degrees Fahrenheit) of cattle?

- a. 99
- b. 101
- c. 103
- d. 105

19.) Which newborn animal is not able to handle cold temperatures during the first day of life?

- a. Sheep
- b. Cattle
- c. Pig
- d. None of them can

20.) How many white points is a Poland China suppose to have?

- a. 4
- b. 5
- c. 6
- d. 8

21.) What beef cattle breed originates from Japan and is known for their superior meat quality?

- a. Wagyu
- b. Shorthorn
- c. Beefmaster
- d. Angus

22.) Which of the following is a hair breed of sheep?

- a. Hampshire
- b. Southdown
- c. Lincoln
- d. Dorper

23.) What is the term for removing the tails of baby lambs?

- a. Trimming
- b. Docking
- c. Bobbing
- d. Clipping

24.) What is the correct term for a castrated pig?

- a. Steer
- b. Gelding
- c. Barrow
- d. Wether

25.) The normal presentation of a lamb or calf during birth is _____?

- a. Tail first
- b. Front feet first
- c. Back foot first
- d. Does not matter as long as it is small enough

County _____ **KEY** _____

Team Members

Clover Team Breeding Exercise – 2020

Your team is selecting 1 Ram to compliment your Purebred Hampshire Flock. You are hoping to continue breeding sheep with strong breed type that are competitive in the showing. Please select 1 ram that would best fit your operation and answer the 10 questions below. Additionally, you will need to discuss your choices with the contest official.

[The questions are worth 10 points each for a total of 100 possible points and your discussion with the Official is worth 100 possible points for a grand total of 200 possible points.]

Animal ID	Tag #	Birth Type	Codon 171	Weaning Weight (kg)	Post Weaning Weight (kg)	Maternal Milk (kg)	Maternal Lambs Weaned (kg)	Loin Muscle Depth (mm)	Price
1	8658	TW	QR	+3.3	+5.0	+0.3	0.0	+1.4	\$1500
2	8648	TW	RR	+0.3	+1.8	+0.1	+1.0	0.0	\$500
3	8679	TW	RR	+2.9	+4.4	+0.8	+1.5	+0.3	\$1000
4	8678	S	QR	+2.7	+4.9	-0.3	+0.8	+0.8	\$800
5	8697	S	QR	+2.8	+4.8	0.0	+0.9	+1.0	\$900
Breed Average				+2.4	+4.1	+0.2	+0.6	+0.4	

1. Which ram is the best in his genetic profile (best combination of EPD's)?

1 2 3 4 5

2. Based on the scenario, which ram would be the best choice to us?

1 2 3 4 5

3. Which ram is the least desirable?

1 2 3 4 5

4. Which ram remains closest to breed standards?

1 2 3 4 5

5. Which ram is the tallest at the point of his shoulder?

1 2 3 4 5

6. Of the 5 rams who is the least structurally correct?

1 2 3 4 5

7. How many rams have scrapie?

0 1 2 3 4 5

8. Which ram is the lightest muscled & shallowest bodied?

1 2 3 4 5

9. Who is the round deep rib ram that has a balanced look on the side?

1 2 3 4 5

10. Who is the slick legged ram who has plenty of muscled but is coarse and round in his appearance?

1 2 3 4 5

CTC 4000 Mineral

Product number: 11084



Product Information

CAUTION: Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

For control of active infection of anaplasmosis caused by *Anaplasma marginale* susceptible to chlortetracycline in beef cattle and for control of bacterial pneumonia associated with shipping fever complex caused by *Pasturella spp.* susceptible to chlortetracycline in beef cattle.

- Medicated mineral for further manufacture of feed
- Delivers chlortetracycline for control of bacterial pneumonia and control of active infection of anaplasmosis in beef cattle
- Contains 5.5% phosphorus
- Delivers enhanced levels of trace minerals and vitamins
- Ideal for cattle under stress
- Easy to follow mixing directions on the label

Feeding Instructions

CAUTION: Use as directed. Consumption of selenium should not exceed 3 mg per head daily.

WARNING: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. This product, which contains added copper, should not be fed to sheep or any species with a low tolerance to supplemental copper.

Mixing and Feeding Directions:

For control of anaplasmosis in cattle over 700 lbs.: Thoroughly mix 500 lbs. of SWEETLIX® CTC 4000 Mineral with 1,500 lbs. of non-medicated feed. Feed one pound of this medicated mixture to provide 500 mg CTC per head per day. Cattle over 700 lbs. should receive 0.5 mg CTC/lb. bodyweight per day for the stated drug claim. 500 mg CTC is the recommended rate to treat a 1,000-lb. animal.

For control of anaplasmosis in cattle under 700 lbs.: Thoroughly mix 350 lbs. of SWEETLIX® CTC 4000 Mineral with 1,650 lbs. of non-medicated feed. Feed one pound of this medicated mixture to provide 350 mg CTC per head per day. Cattle under 700 lbs. should receive 350 mg CTC for the stated drug claim.

For control of bacterial pneumonia in beef cattle: Thoroughly mix 350 lbs. of SWEETLIX® CTC 4000 Mineral with 1,650 lbs. of non-medicated feed. Feed one pound of this medicated mixture to provide 350 mg CTC per head per day. Cattle should receive 350 mg CTC for the stated drug claim.

Nutrition Information

Calcium, Min	16.00%
Calcium, Max	19.20%
Phosphorus, Min	5.50%
Salt, Min	11.00%
Salt, Max	13.20%
Magnesium, Min	5.00%
Copper, Min	1,500 ppm
Iodine, Min	70 ppm
Manganese, Min	6,000 ppm
Selenium, Min	26 ppm
Zinc, Min	4,500 ppm

Vitamin A, Min	100,000 IU/lb
Vitamin D-3, Min	10,000 IU/lb
Vitamin E, Min	10 IU/lb

Product Ingredients

Active Drug Ingredient:

Chlortetracycline.....4,000 g/ton

Calcium Carbonate, Monocalcium Phosphate, Dicalcium Phosphate, Salt, Magnesium Oxide, Processed Grain By-Products, Molasses Products, Roughage Products, Manganous Oxide, Manganese Sulfate, Zinc Oxide, Zinc Sulfate, Copper Sulfate, Sodium Selenite, Ethylenediamine Dihydroiodide, Calcium Iodate, Cobalt Carbonate, Vitamin A Supplement, Vitamin D-3 Supplement, Vitamin E Supplement, Mineral Oil, Red Iron Oxide and Artificial Flavoring.

Clover Quality Assurance Exercise – Team – 2020

County: _____ Team Members: _____ **KEY** _____

Your team is managers of a cow/calf operation in Western Kentucky. You recently found out that you have anaplasmosis in the cow herd due to a group of infected cows that you bought from Texas. Your Veterinarian has suggested feeding mineral with CTC in it. Please use the product information sheet for Sweetlix CTC 400 Mineral and answer the following 10 questions below. Each question is worth 10 points apiece for a total of 100 points.

1. What is the active drug ingredient?

- A. Calcium
- B. Iodine
- C. Chlortetracycline
- D. Manganese

2. How should you obtain this mineral?

- A. By visiting the local feed store
- B. By contacting your Veterinarian and having he or she write a VFD for it
- C. Borrowing some from a local farmer down the road
- D. Ordering it online

3. Besides Anaplasmosis what is the other disease this product helps control?

- A. Bacterial Pneumonia
- B. Blackleg
- C. Mastitis
- D. None of the above

4. Which of the following is the cause for Anaplasmosis in cattle?

- A. Pasturella spp.
- B. Anaplasma marginale
- C. Fusobacterium necrophorum
- D. Staphylococcus aureus

5. What species should not be fed this product?

- A. Cattle
- B. Sheep
- C. All of the above
- D. None of the above

Clover Quality Assurance Exercise – Team – 2020

6. What should not exceed 3 mg of consumption per head daily?
- A. Zinc
 - B. Copper
 - C. Selenium
 - D. Calcium
7. For control of Anaplasmosis in cattle over 700 lbs. what is the correct mixing ration?
- A. 500 lbs. of Sweetlix CTC 4000 Mineral with 1,650 lbs. of non-medicated feed
 - B. 350 lbs. of Sweetlix CTC 4000 Mineral with 1,500 lbs. of non-medicated feed
 - C. 350 lbs. of Sweetlix CTC 4000 Mineral with 1,650 lbs. of non-medicated feed
 - D. 500 lbs. of Sweetlix CTC 4000 Mineral with 1,500 lbs. of non-medicated feed
8. What is the minimum calcium this product can contain?
- A. 19.20%
 - B. 16.00%
 - C. 13.20%
 - D. 14.40%
9. What is the product number for CTC 4000 Mineral?
- A. 4000
 - B. 4800
 - C. 11084
 - D. 45821
10. Why should this product not be used in calves to be processed for veal?
- A. A withdrawal period hasn't been established in pre-ruminating calves
 - B. Could be fatal
 - C. Does not heal cattle that young
 - D. None of the above