Countdown Chapter 2

Livestock



Countdown Chapter 2 Livestock

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LivestockBeef Breeds

Read the descriptions and fill in the blanks with the breed names.

1	
2	
3	
4	
5	
6	
7.	

Fill in the Blanks

In this activity you will:

 learn the breeds of beef, where the breeds originated from, and what they look like.

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Clues

- 1. This breed originated in Scotland, is polled with a black smooth coat, and is known for carcass quality, milking, mothering, and reproductive abilities.
- This breed was developed in the southwestern United States by crossing Angus with Brahman cattle from India.
 It is black and known for the ability to withstand heat and insects.
- 3. This breed was developed in France and imported into the United States from Mexico in 1936. It is large, white, and is noted for fast growth and lean carcasses.
- 4. Developed in Italy, this breed is white with black pigmentation. It is the largest breed and is noted for growth and beef producing abilities.
- 5. Originating in Germany, this breed is a solid cream to a reddish-yellow in color. It is a general purpose breed with good mothering abilities.
- This breed was developed in England and brought to the United States in 1817. It is red with a white face, and is known for its vigor, hardiness, foraging ability, and quiet disposition.
- 7. This is a breed that originated in west-central France. It is light to golden red in color with lighter circles around the

- eyes and muzzle. When this breed is slaughtered at an early age, it yields a high percentage of lean meat with a minimum amount of fat.
- 8. Developed in the United States from the Hereford breed, this breed displays the same characteristics as Herefords except for the polled trait.
- 9. This breed was developed on the King Ranch in Texas, is five-eighths Shorthorn and three-eighths Brahman, and is known for its hardiness, growth rate, long life, heat tolerance, and insect resistance.
- 10. This breed was brought to the United States from England in 1783. Animals can be red, white, or roan in color, and are also noted for their good disposition, mothering, and milking ability.
- 11. Imported into the United States from Switzerland, France, and Germany, this breed is red to dark red, spotted with a white face, and is noted for its fast growth and milking ability.
- 12. This breed originated from Spanish Antilysin cattle and has long horns and several different color patterns. It is known for longevity, hardiness, strong survival instincts, and resistant to disease and parasites.

References: Beef Learning Laboratory Kit; 4-H Beef Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Lift-Off

LivestockBeef Breeds

Read the descriptions and fill in the blanks with the breed names.

1. A n g u s
2. B r a n g u s
3. C h a r o l a i s
4. C h i a n i n a
5. G e l b v i e h
6. H e r e f o r d
7. L i m o u s i n

Fill in the Blanks—Key

In this activity you will:

 learn the breeds of beef, where the breeds originated from, and what they look like.

8.	<u>P</u>	0	<u>l</u>	<u> </u>	_ <u>e</u>	<u>d</u>		<u>H</u>	_ <u>e</u>	<u>r</u>	_ <u>e</u>	_f	0	<u>r</u>	d
9.	<u>S</u>	<u>a</u>	<u>_n</u>	<u>t</u>	<u>a</u>		G	<u>e</u>	<u>r</u>	<u>t</u>	<u>r</u>	U	<u>d</u> _	<u>i</u> _	<u>s</u> _
10.	<u>S</u>	<u>h</u>	0	<u>r</u>	<u>t</u>	h	0	r	n						
11.	S	i	m	m	е	n	t	a	I						
12.	T	е		a	 s		L	0	n	g	h	0	r	n	

Clues

- 1. This breed originated in Scotland, is polled with a black smooth coat, and is known for carcass quality, milking, mothering, and reproductive abilities.
- This breed was developed in the southwestern United States by crossing Angus with Brahman cattle from India.
 It is black and known for the ability to withstand heat and insects.
- 3. This breed was developed in France and imported into the United States from Mexico in 1936. It is large, white, and is noted for fast growth and lean carcasses.
- 4. Developed in Italy, this breed is white with black pigmentation. It is the largest breed and is noted for growth and beef producing abilities.
- 5. Originating in Germany, this breed is a solid cream to a reddish-yellow in color. It is a general purpose breed with good mothering abilities.
- 6. This breed was developed in England and brought to the United States in 1817. It is red with a white face, and is known for its vigor, hardiness, foraging ability, and quiet disposition.
- 7. This is a breed that originated in west-central France. It is light to golden red in color with lighter circles around the

- eyes and muzzle. When this breed is slaughtered at an early age, it yields a high percentage of lean meat with a minimum amount of fat.
- 8. Developed in the United States from the Hereford breed, this breed displays the same characteristics as Herefords except for the polled trait.
- 9. This breed was developed on the King Ranch in Texas, is five-eighths Shorthorn and three-eighths Brahman, and is known for its hardiness, growth rate, long life, heat tolerance, and insect resistance.
- This breed was brought to the United States from England in 1783. Animals can be red, white, or roan in color, and are also noted for their good disposition, mothering, and milking ability.
- 11. Imported into the United States from Switzerland, France, and Germany, this breed is red to dark red, spotted with a white face, and is noted for its fast growth and milking ability.
- 12. This breed originated from Spanish Antilysin cattle and has long horns and several different color patterns. It is known for longevity, hardiness, strong survival instincts, and resistant to disease and parasites.

References: Beef Learning Laboratory Kit; 4-H Beef Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockDairy Cattle Breeds

Read the descriptions and fill in the blanks with the breed names.

1	 	
2	 	
5	 <u> </u>	
,		

Fill in the Blanks

In this activity you will:

 learn the breeds of dairy cattle, where the breeds originated from, and what they look like.

Clues

- This breed was developed in 1750 in the county of Ayr, Scotland, is medium in size with average milk production, and has strongly-attached, well-shaped udders. Cows are known for their extreme hardiness and good foraging ability. They are red or mahogany, and white in color.
- Originated in Switzerland, this breed is large with high milk production and was developed to graze the mountains and produce high protein milk for cheese. Cows are known for their strength, ruggedness, and good feet and leg structure. Animals are solid brown with a black nose, switch, and hooves.
- 3. This breed was developed on an island in the English Channel to produce high fat milk for making butter. Cows are known for their gentle nature and their yellow-tinted milk, and they can be characterized by their fawn and white markings.

- 4. This breed originated in the Netherlands. It is largest and most numerous breed. Cows are known for producing the highest volume of milk of all breeds. They are black and white, or red and white in color.
- 5. This breed was developed on an island in the English Channel. They are the smallest cows and produce milk that is the highest in fat and protein. They are characterized by a shade of fawn with or without white markings.
- 6. Developed from an English breed of cattle, this breed association was formed in 1972, from cattle who are intermediate in size and milk production, are efficient in converting feed into meat or milk, and have a high heat tolerance. They can be red, white, or roan in color.

Reference: Dairy Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Lift-Off 2-3

Dairy Cattle Breeds

Read the descriptions and fill in the blanks with the breed names.

1.	A	<u>y</u>	<u>r</u> _	<u>s</u>	h	i	r	е									
2.	<u>B</u> _	r	0	w	n		S	w	i	_s_	<u>s</u>						
3.	G	U	<u>e</u>	<u>r</u> _	n	S	е	у									
4.	H	0	<u> </u>	<u>s</u>	t	е	i	n									
5.	<u>J</u>	<u>е</u>	<u>r</u>	<u>s</u>	е	<u>y</u>											
6.	M	<u>i</u>	<u> </u>	<u>k</u>	<u>i</u>	n	g		S	h 	0	<u>r</u>	<u>t</u>	<u>h</u>	0	<u>r</u>	n

Fill in the Blanks—Key

In this activity you will:

 learn the breeds of dairy cattle, where the breeds originated from, and what they look like.

Clues

- This breed was developed in 1750 in the county of Ayr, Scotland, is medium in size with average milk production, and has strongly-attached, well-shaped udders. Cows are known for their extreme hardiness and good foraging ability. They are red or mahogany, and white in color.
- Originated in Switzerland, this breed is large with high milk production and was developed to graze the mountains and produce high protein milk for cheese. Cows are known for their strength, ruggedness, and good feet and leg structure. Animals are solid brown with a black nose, switch, and hooves.
- 3. This breed was developed on an island in the English Channel to produce high fat milk for making butter. Cows are known for their gentle nature and their yellow-tinted milk, and they can be characterized by their fawn and white markings.

- 4. This breed originated in the Netherlands. It is largest and most numerous breed. Cows are known for producing the highest volume of milk of all breeds. They are black and white, or red and white in color.
- 5. This breed was developed on an island in the English Channel. They are the smallest cows and produce milk that is the highest in fat and protein. They are characterized by a shade of fawn with or without white markings.
- 6. Developed from an English breed of cattle, this breed association was formed in 1972, from cattle who are intermediate in size and milk production, are efficient in converting feed into meat or milk, and have a high heat tolerance. They can be red, white, or roan in color.

Reference: Dairy Learning Laboratory Kit
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2-4 Lift-Off

Goat Breeds

Read the descriptions and fill in the blanks with the breed names.

1.	 	 	 		
3.	 	 	 	 	
8.					

Fill in the Blanks

In this activity you will:

 learn the breeds of goats, where the breeds originated from, and what they look like.

Clues

- 1. This breed originated in France, has upright ears, and can be any color or combination of colors. It has a straight face, medium to short hair, and is medium to large in size.
- 2. This is the only breed developed in the United States. It has either "gopher" or "elf ears." Any color or combination of colors is acceptable, and it has short, fine, glossy hair.
- 3. A Swiss breed of rugged bone, it is medium to large in size, and either white or cream in color. It has short and fine hair, is erect-eared, and has either a straight or dished face.
- 4. A Swiss breed known for upright ears, straight faces, and chamiosee color, it has a black belly and a light gray to black udder. One of the smaller Swiss breeds, it is a minimum of 28 inches in height and is the newest recognized breed by the A.D.G.A.
- 5. This breed was originated in the Himalaya Mountains of Asia, has a straight or concave nose, pendulous ears, and twisted horns. It is usually a small, white, breed, with a long, fine, and lustrous mohair fiber coat. The fine

- underwool is a valuable product called cashmere. This breed is known primarily as a browsing animal.
- 6. This breed came from West and Central Africa and the Caribbean. Dwarf, short legged, hardy and alert, its profile should have a dished appearance with a broad, strong, and well-muscled jaw. It has a small compact body and its main colors are white caramel, caramel, gray agouti, black agouti, and charcoal.
- 7. This breed originated in India and Egypt, is known for its high quality, high butterfat, and milk production. It has a strong convex facial profile between the ears and the muzzle and long, bell shaped, wide ears. It can have any color pattern and have short, glossy, fine hair.
- 8. Of Swiss origin, this breed is medium in size, has upright ears and a dished or straight face, is solid colored varying from light fawn to dark chocolate. It has white ears with dark spots in the middle, two white stripes down the face from each eye to the muzzle, white hind legs, and a white triangle on either side of the tail. It is known for its high milk productivity.

References: Goat Learning Laboratory Kit; 4-H Goat Resource Handbook
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Litt-Ott

Livestock Goat Breeds

Read the descriptions and fill in the blanks with the breed names.

1.	<u>A</u>	<u>l</u>	<u>p</u>	_i_	n	<u>e</u>				
2.	A	<u>n</u>	g	0	<u>r</u>	a				
3.	L	a	_ <u>m</u>	<u>a</u>	<u>n</u>	C	<u>h</u>	a		
4.	N	U	_b	<u>i</u> _	<u>a</u>	n				
5.	0	<u>b</u>	<u>e</u>	<u>r</u>	<u>h</u>	a	<u>s</u>	<u>l</u>	<u>i</u> _	
6.	_P	<u>y</u>	g	m	<u>y</u>					
7.	<u>S</u>	<u>a</u>	<u>a</u>	n	_e	n				
8.	T	0	g	g	е	n	b	U	r	g

Fill in the Blanks—Key

In this activity you will:

 learn the breeds of goats, where the breeds originated from, and what they look like.

Clues

- 1. This breed originated in France, has upright ears, and can be any color or combination of colors. It has a straight face, medium to short hair, and is medium to large in size.
- 2. This is the only breed developed in the United States. It has either "gopher" or "elf ears." Any color or combination of colors is acceptable, and it has short, fine, glossy hair.
- 3. A Swiss breed of rugged bone, it is medium to large in size, and either white or cream in color. It has short and fine hair, is erect-eared, and has either a straight or dished face.
- 4. A Swiss breed known for upright ears, straight faces, and chamiosee color, it has a black belly and a light gray to black udder. One of the smaller Swiss breeds, it is a minimum of 28 inches in height and is the newest recognized breed by the A.D.G.A.
- 5. This breed was originated in the Himalaya Mountains of Asia, has a straight or concave nose, pendulous ears, and twisted horns. It is usually a small, white, breed, with a long, fine, and lustrous mohair fiber coat. The fine

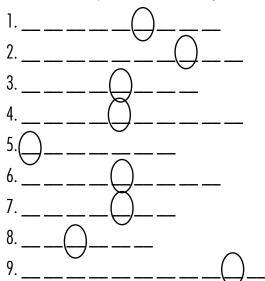
- underwool is a valuable product called cashmere. This breed is known primarily as a browsing animal.
- 6. This breed came from West and Central Africa and the Caribbean. Dwarf, short legged, hardy and alert, its profile should have a dished appearance with a broad, strong, and well-muscled jaw. It has a small compact body and its main colors are white caramel, caramel, gray agouti, black agouti, and charcoal.
- 7. This breed originated in India and Egypt, is known for its high quality, high butterfat, and milk production. It has a strong convex facial profile between the ears and the muzzle and long, bell shaped, wide ears. It can have any color pattern and have short, glossy, fine hair.
- 8. Of Swiss origin, this breed is medium in size, has upright ears and a dished or straight face, is solid colored varying from light fawn to dark chocolate. It has white ears with dark spots in the middle, two white stripes down the face from each eye to the muzzle, white hind legs, and a white triangle on either side of the tail. It is known for its high milk productivity.

References: Goat Learning Laboratory Kit; 4-H Goat Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2–6 Lift-Off

LivestockSheep Breeds

Read the descriptions and fill in the blanks with the breed names. The circled letters will then spell out one remaining breed.



Fill in the Blanks

In this activity you will:

 learn the breeds of sheep, where the breeds originated from, and what they look like.

The last breed name is

The circled answer is a breed that was developed in Southern England. It is large framed, wool capped, black faced, and medium wooled. It has good milking ability and high carcass cutability.

Clues

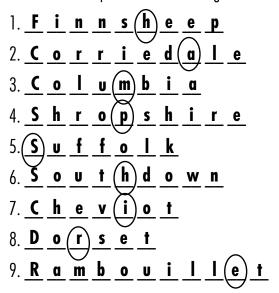
- 1. This breed is fine-boned, produces medium grade wool, reaches sexual maturity early, and is very prolific, producing two to four lambs each lambing.
- 2. This breed is white faced and was developed in New Zealand from a Lincoln and Leicester X Merino crosses. It is medium in size and yields heavy, medium wool fleeces.
- 3. This breed was developed in the United States from a Lincoln ram and Rambouillet ewe cross. It is known for size, wool producing ability, and productivity under range conditions. It is a white faced, polled breed and has wool on the legs.
- 4. This breed was developed in England, is dark faced, polled, has wool on the head and face, and is heavy muscled and milks well.
- This breed is polled with a black head and legs and has the greatest number of purebred registrations in the United States. It is a sire breed known for its meatiness and carcass quality.

- This is the oldest breed from England and is known for producing a meaty carcass. It is polled with a gray to a mouse-brown colored face, has wool on the legs, and produces a medium wool.
- 7. This breed was developed in Scotland and is adaptable to a variety of climates. It is small in size, white faced, bare legged and headed, and is a good milker possessing excellent lamb vigor.
- 8. This breed, developed in Southern England, is polled, scurred, or horned. A ewe breed, it is known for breeding out of season, heavy milking ability, and producing more than one lamb crop per year. This breed also yields heavily muscled carcasses.
- This breed was developed in France. It is long lived, rugged, and will breed out of season. It has fine wool, is large and white faced, and has wool on the head and legs.

References: Sheep Learning Laboratory Kit; 4-H Sheep Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockSheep Breeds

Read the descriptions and fill in the blanks with the breed names. The circled letters will then spell out one remaining breed.



Fill in the Blanks—Key In this activity you will:

 learn the breeds of sheep, where the breeds originated from, and what they look like.

The last breed name is **Hampshire.**

The circled answer is a breed that was developed in Southern England. It is large framed, wool capped, black faced, and medium wooled. It has good milking ability and high carcass cutability.

Clues

- 1. This breed is fine-boned, produces medium grade wool, reaches sexual maturity early, and is very prolific, producing two to four lambs each lambing.
- 2. This breed is white faced and was developed in New Zealand from a Lincoln and Leicester X Merino crosses. It is medium in size and yields heavy, medium wool fleeces.
- 3. This breed was developed in the United States from a Lincoln ram and Rambouillet ewe cross. It is known for size, wool producing ability, and productivity under range conditions. It is a white faced, polled breed and has wool on the legs.
- 4. This breed was developed in England, is dark faced, polled, has wool on the head and face, and is heavy muscled and milks well.
- This breed is polled with a black head and legs and has the greatest number of purebred registrations in the United States. It is a sire breed known for its meatiness and carcass quality.

- This is the oldest breed from England and is known for producing a meaty carcass. It is polled with a gray to a mouse-brown colored face, has wool on the legs, and produces a medium wool.
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- 8. This breed, developed in Southern England, is polled, scurred, or horned. A ewe breed, it is known for breeding out of season, heavy milking ability, and producing more than one lamb crop per year. This breed also yields heavily muscled carcasses.
- 9. This breed was developed in France. It is long lived, rugged, and will breed out of season. It has fine wool, is large and white faced, and has wool on the head and legs.

References: Sheep Learning Laboratory Kit; 4-H Sheep Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2-8 Lift-Of

LivestockSwine Breeds

Read the descriptions and fill in the blanks with the breed names.

1	

Fill in the Blanks

In this activity you will:

 learn the breeds of swine, where the breeds originated from, and what they look like.

Clues

- 1. This breed originated in England. It is black with white feet, tail, and face. It is known for having sound skeletons, dish-faced snouts, and short erect ears.
- 2. This breed was developed in Pennsylvania, is white, has medium sized droopy ears, and is a maternal breed.
- Developed in America from a cross between red hogs from New York and red hogs from New Jersey, these hogs are light red to dark red and droopy eared. They are quick, efficient growers and are good mothers.
- 4. This breed, developed in England, is black with a white belt around the shoulders and both front legs. They are erect-eared and heavily muscled.

- 5. Originally from Denmark, this is a long bodied breed with large floppy ears and strong maternal traits.
- This breed, developed in Ohio, is black with six white points (four white legs, tail, and nose). It is lean, droopy eared, and heavily muscled.
- 7. This breed was developed in Indiana. It is medium in size with black and white spots, and droopy eared. It is a fast gainer and an aggressive breeder.
- This breed came from England. It is white colored, erect eared, and has a long, large frame. It is known as the mother breed because they produce large litters and are heavy milkers.

References: Swine Learning Laboratory Kit; 4-H Swine Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Lift-Off 2-9

Swine Breeds

Read the descriptions and fill in the blanks with the breed names.

1.	<u>B</u>	е	r	k	S	h	i	r	е	_			
2.	<u>C</u>	h	е	<u>s</u>	<u>†</u>	е	r	_	W	h	i	t	<u>e</u>
3.	D	U	r	0	c								
4.	H	a	m	p	<u>s</u>	h	i	r	<u>e</u>	_			
5.	L	a	n	d	r	a	C	е	_				
6.	<u>P</u>	0	1	a	n	d		C	<u>h</u> _	<u>i</u>	n	a	-
7.	<u>S</u>	p	0	t	<u>t</u>	е	d	_					
8.	Y	0	r	k	S	h	i	r	е				

Fill in the Blanks—Key In this activity you will:

 learn the breeds of swine, where the breeds originated from, and what they look like.

Clues

- This breed originated in England. It is black with white feet, tail, and face. It is known for having sound skeletons, dish-faced snouts, and short erect ears.
- 2. This breed was developed in Pennsylvania, is white, has medium sized droopy ears, and is a maternal breed.
- 3. Developed in America from a cross between red hogs from New York and red hogs from New Jersey, these hogs are light red to dark red and droopy eared. They are quick, efficient growers and are good mothers.
- 4. This breed, developed in England, is black with a white belt around the shoulders and both front legs. They are erect-eared and heavily muscled.

- 5. Originally from Denmark, this is a long bodied breed with large floppy ears and strong maternal traits.
- 6. This breed, developed in Ohio, is black with six white points (four white legs, tail, and nose). It is lean, droopy eared, and heavily muscled.
- 7. This breed was developed in Indiana. It is medium in size with black and white spots, and droopy eared. It is a fast gainer and an aggressive breeder.
- This breed came from England. It is white colored, erect eared, and has a long, large frame. It is known as the mother breed because they produce large litters and are heavy milkers.

References: Swine Learning Laboratory Kit; 4-H Swine Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2–10 Lift-Of

Livestock **Beef Parts**

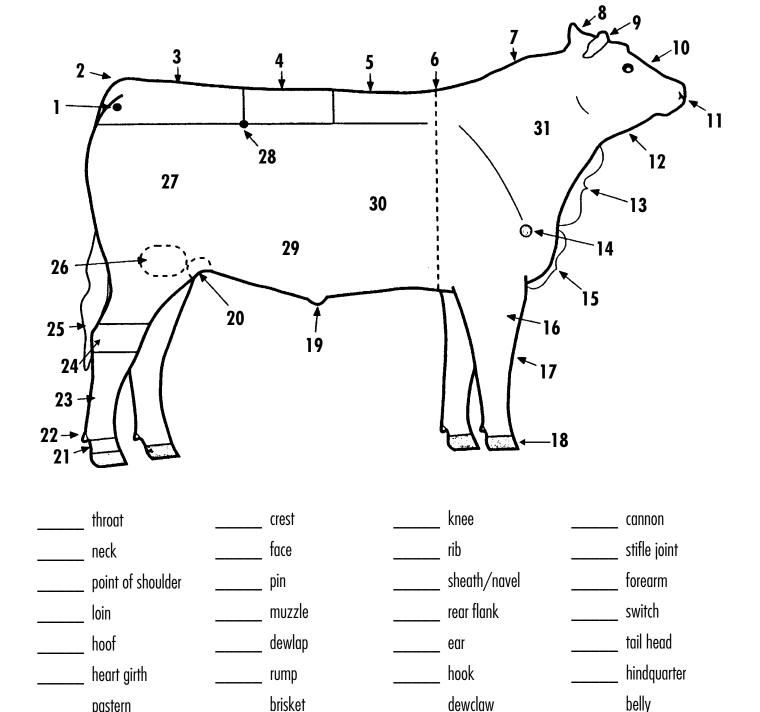
Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification

In this activity you will:

learn the parts of a steer.



References: Ohio 4-H Beef, Sheep, and Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

back

dewclaw

hock

pastern

poll

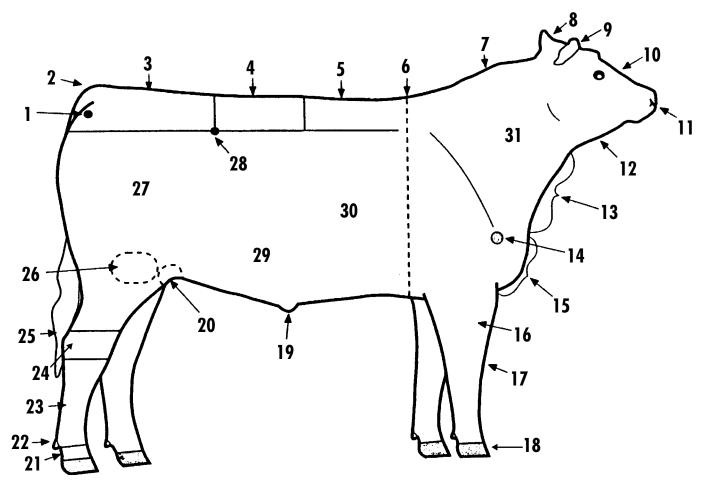
Livestock Beef Parts

Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification—Key In this activity you will:

• learn the parts of a steer.



12	throat		crest	V	knee	23	cannon
	neck	10	face	30	rib _	26	stifle joint
	point of shoulder	1	pin	19	sheath/navel	16	forearm
4	loin	1	muzzle	20	rear flank	25	switch
18	hoof		dewlap	9	ear	2	tail head
6	heart girth	3	rump	28	hook	27	hindquarter
21	pastern	_ъ	brisket	22	dewclaw	29	belly
8	poll	5	back	24	hock		

References: Ohio 4-H Beef, Sheep, and Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Beef Parts

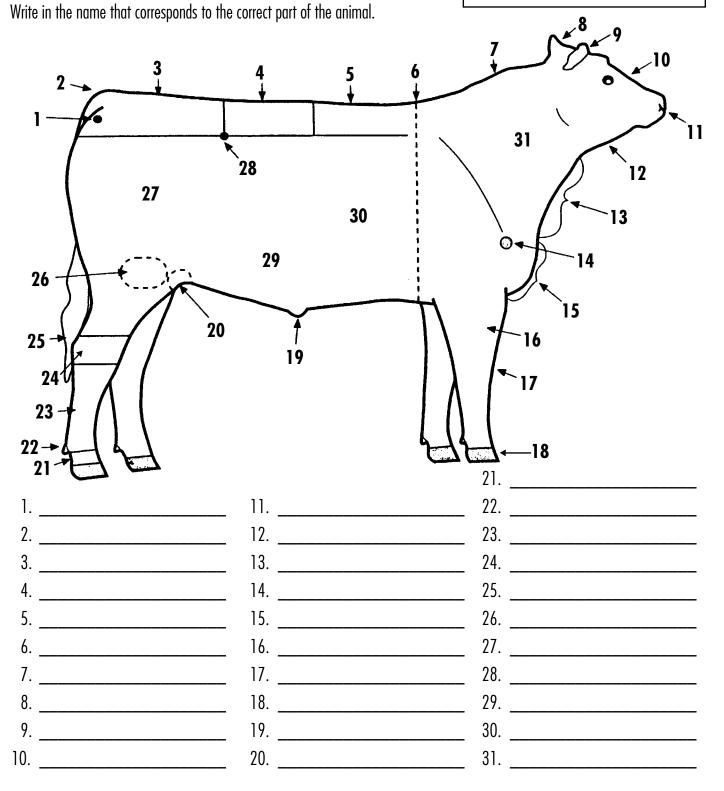
Activity level: Intermediate and advanced members ages 12 to 18

Activity level. Illietitieulule ullu uuvuliceu tiletibels uges 12 l

Identification

In this activity you will:

learn the parts of a steer.



References: Ohio 4-H Beef, Sheep, and Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Beef Parts

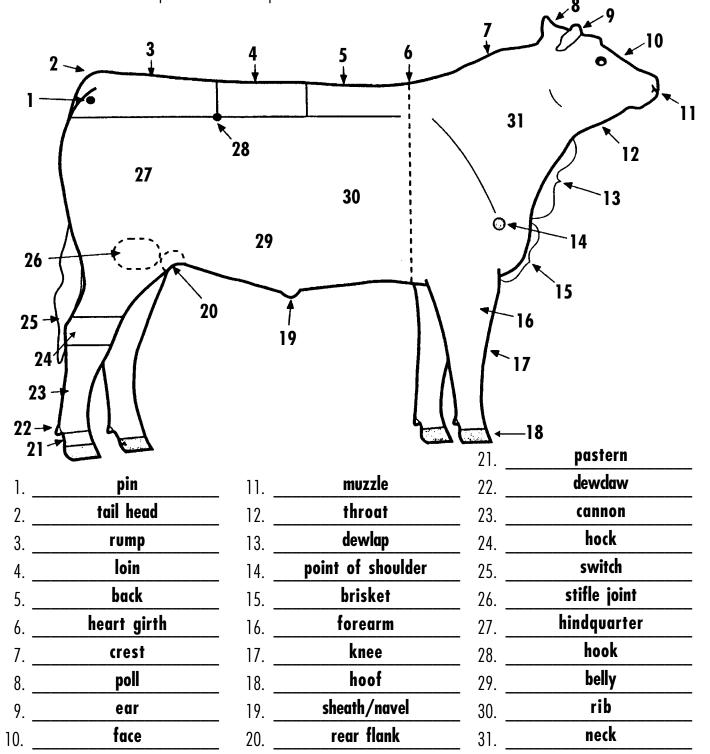
Activity level: Intermediate and advanced members ages 12 to 18

anced members ages 12 to 18 • learn the parts of a steer.

Identification-

In this activity you will:

Write in the name that corresponds to the correct part of the animal.



References: Ohio 4-H Beef, Sheep, and Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Dairy Cow Parts

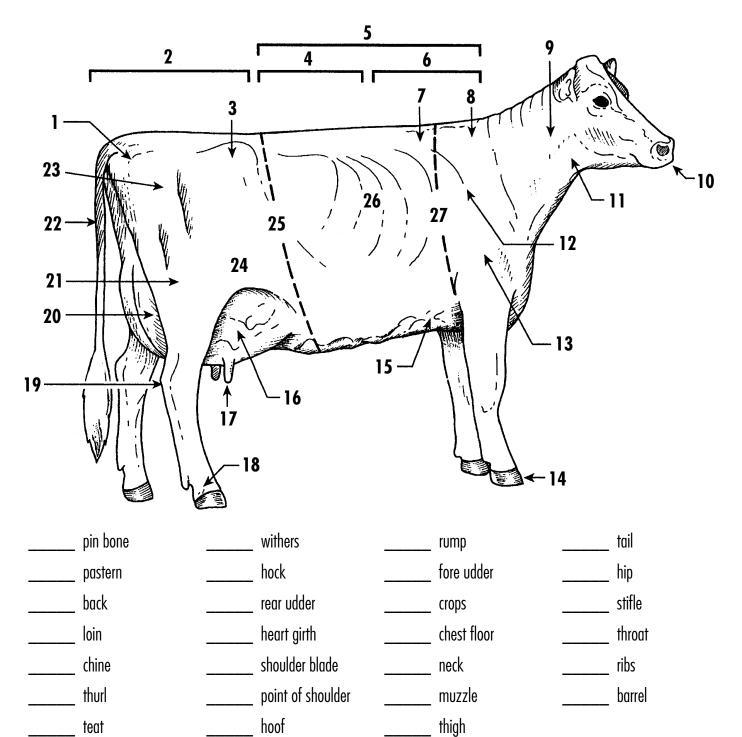
Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a dairy cow.



Reference: The Dairy Livestock Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

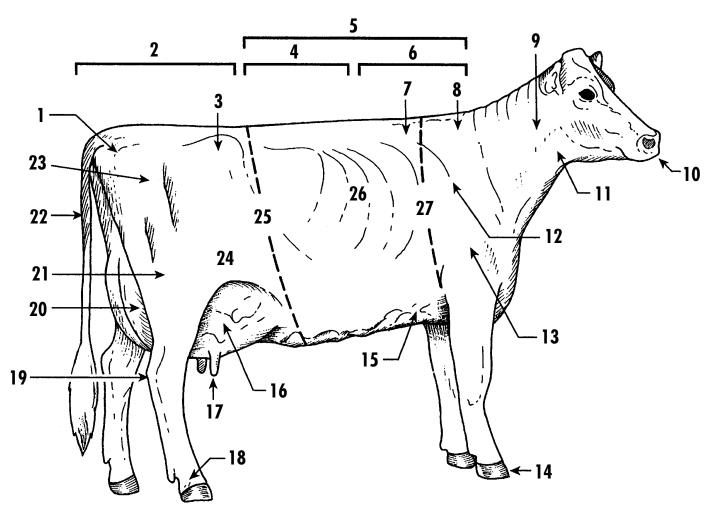
Dairy Cow Parts

Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification-In this activity you will:

learn the parts of a dairy cow.



1	pin bone
18	pastern
5	back
4	loin
6	chine

23	thurl
7	teat

8	withers
19	hock

20 rear udder **27** heart girth

12 shoulder blade B point of shoulder

14 hoof 2 rump

16 fore udder

7 crops

Ъ chest floor

neck

10 muzzle 2 thigh

22 tail

3 hip

24 stifle

1 throat

26 ribs

25 barrel

Reference: The Dairy Livestock Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

Dairy Cow Parts

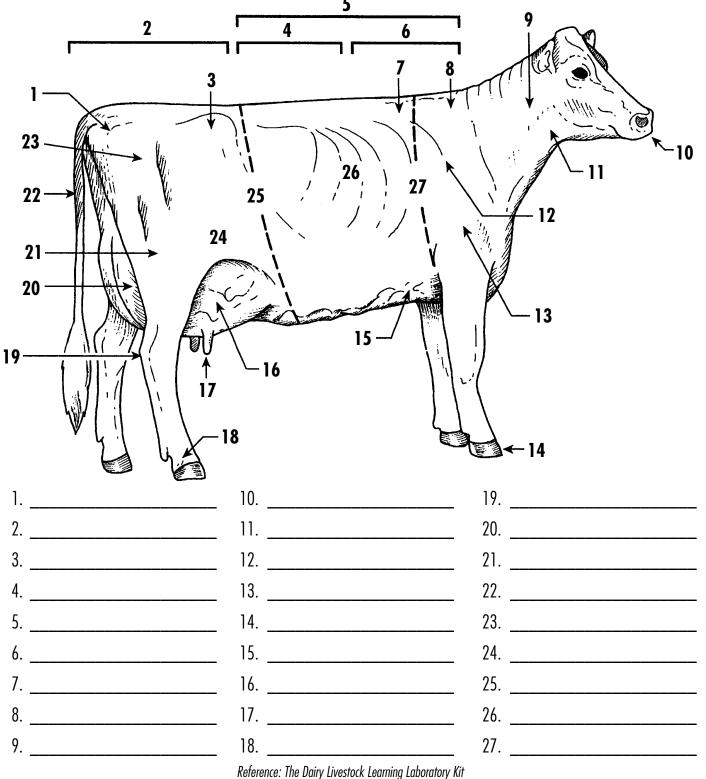
Activity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a dairy cow.



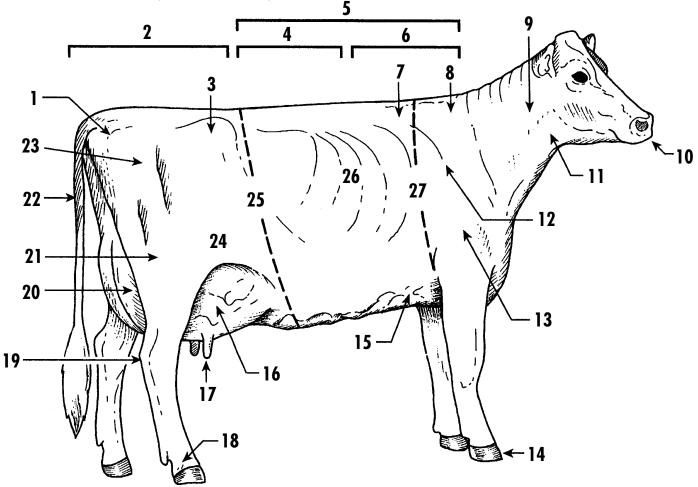
Prepared By: Andrea Auker, Animal Sciences Student

Dairy Cow PartsActivity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal.

Identification-In this activity you will:

learn the parts of a dairy cow.



1.	pin bone
2.	rump
3.	hip (hooks)
4.	loin
5.	back
6.	chine
7.	crops
8.	withers
9.	neck

10.	muzzie
11.	throat
12.	shoulder blade
13.	point of shoulder
14.	hoof
15.	chest floor
16.	fore udder
17.	teat
18.	pastern
	T. D.: 1:

19	hock	
20.	rear udder	
21.	thigh	
22.	tail	
23.	thurl	
24.	stifle	
<u></u> 25.	barrel	
26.	ribs	
27	heart girth	

Reference: The Dairy Livestock Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

Goat Parts

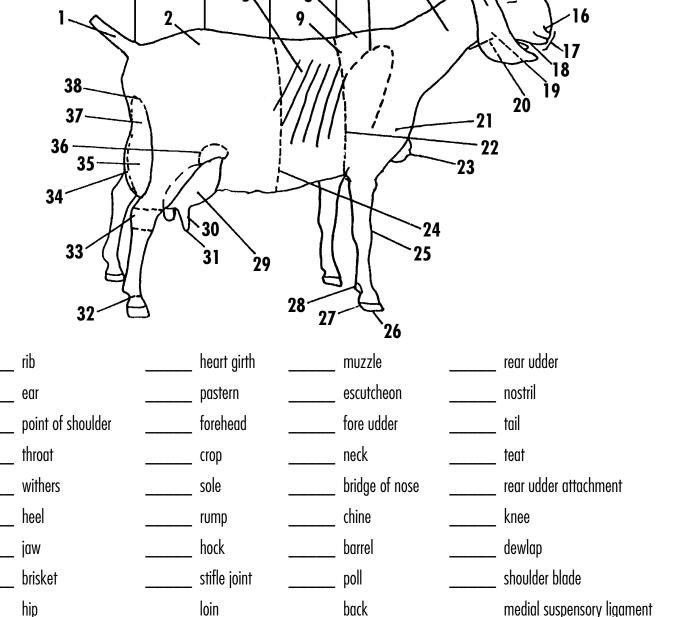
Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a goat.



10

References: Goat Resource 4-H Handbook; Goat Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

dewclaw

orifice

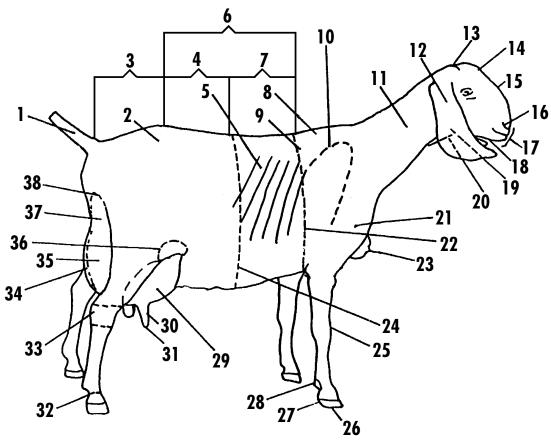
Goat Parts

Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification—Key In this activity you will:

• learn the parts of a goat.



5	_ rib	_22	heart girth		muzzle	35	rear udder
12	_ ear	_32	_ pastern	_38	escutcheon	16	nostril
	point of shoulder	14	forehead	29	fore udder	1	tail
19	_ throat	9	_ crop	1	neck	30	teat
8	withers	26	sole		bridge of nose	37	rear udder attachment
27	heel	3	rump		chine	35	knee
18	_ jaw	33	hock	24	barrel	20	dewlap
23	_ brisket	_36	stifle joint		poll	10	shoulder blade
2_	_ hip	4	loin	6	back	34	medial suspensory ligament
3	orifice	28	dewclaw				

References: Goat Resource 4-H Handbook; Goat Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Goat Parts

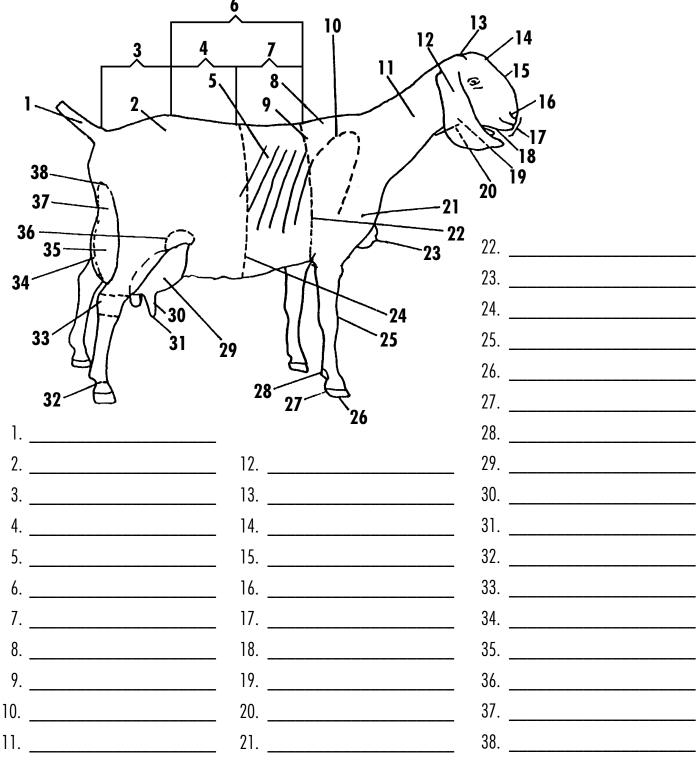
Activity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a goat.



References: Goat Resource 4-H Handbook; Goat Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Goat Parts

Activity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal.

Identification—Key In this activity you will:

learn the parts of a goat.

		6	10	13	
	3 4	7	12	<u></u>	/14
	5	`		(E)	< ¹⁵
1	2	9.) 16
		$i \times i$		1/8	17 18
	38	\\//		20	19
	37——	'! ///	21		
36	35		23	2 22.	heart girth
34		رنہ ح	TA!	23.	brisket
	30		24	24.	<u>barrel</u>
	33 (() / 31	29	25	25.	knee
	4		411	26.	sole
	32	28	27 26	27.	heel
1.	tail		20	28.	dewdaw
2.	hip	. 12	ear	29.	fore udder
3.	rump		poll	30.	teat
4.	loin	14	forehead	31.	<u>orifice</u>
5.	rib	15	bridge of nose	32.	pastern
6.	back	16	nostril	33.	hock
7.	chine	17	muzzle	34.	medial suspensory ligament
8.	withers		jaw		rear udder
9.			throat	36.	stifle joint
10.	shoulder blade		dewlap	37.	rear udder attachment
11.	neck		point of shoulder	38.	escutcheon
	D (C . D	41111 11 1 0 .1		1/2

References: Goat Resource 4-H Handbook; Goat Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

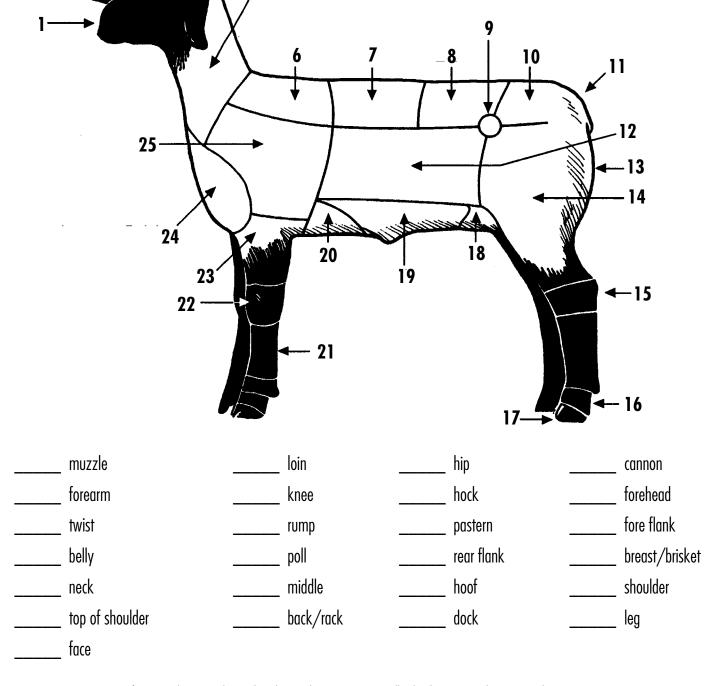
Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a sheep.



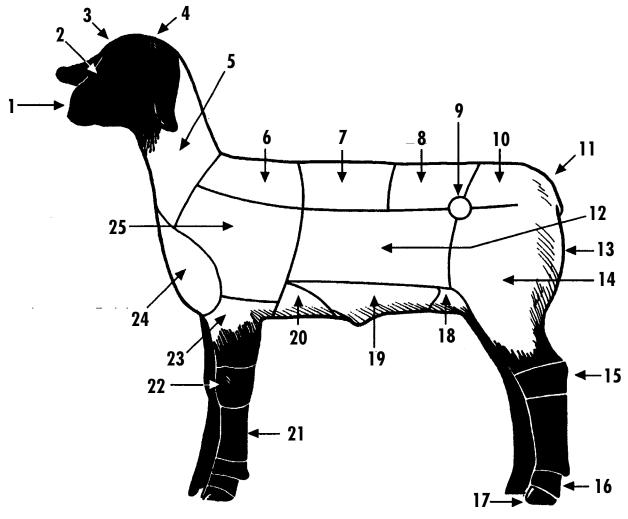
References: Sheep Breeding and Market Lamb 4-H Resource Handbook; Sheep Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Sheep PartsActivity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification—Key In this activity you will:

• learn the parts of a sheep.



1	_ muzzle	8	_ loin	9	hip	_2	cannon
23	_ forearm	22	_ knee	B	hock	3	forehead
	_ twist	10	_ rump	<u>16</u>	pastern	20	fore flank
19	_ belly	4	_ poll	18	rear flank	24	breast/brisket
5	_ neck	12	_ middle	7	hoof	_ 25	shoulder
6	top of shoulder	7	_ back/rack	1	dock	14	leg
2	face		-				-

References: Sheep Breeding and Market Lamb 4-H Resource Handbook; Sheep Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

In this activity you will:

Identification

learn the parts of a sheep.

Activity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal below.

10 -12 25 -13 14 24 18 20 23 19 **←**15 22 21 12. _____ 19. ____ 20. _____ 13. _____ 14. _____ 21. _____ 7. _____ 15. _____ 22. _____ 8. _____ 23. _____ 16. 24. _____ 25. _____

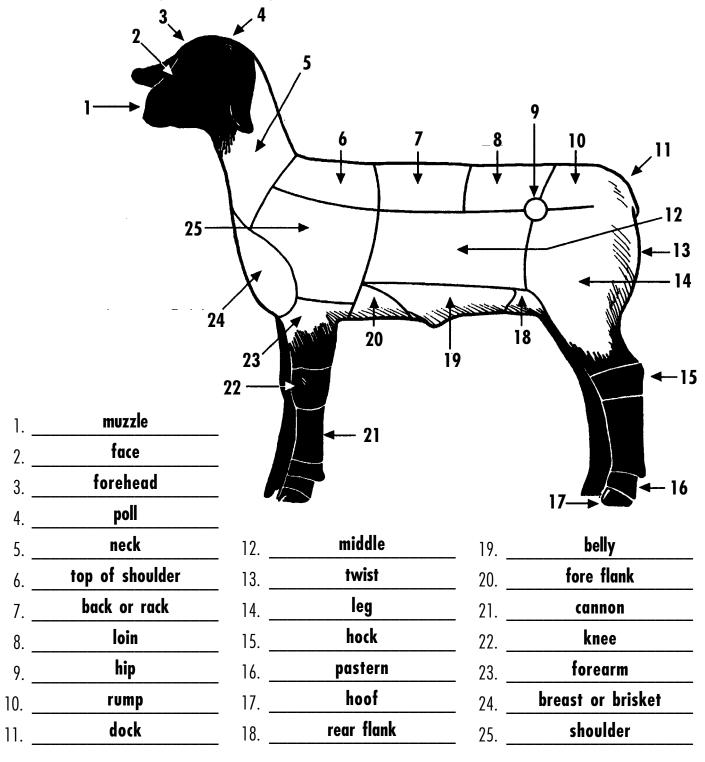
> References: Sheep Breeding and Market Lamb 4-H Resource Handbook; Sheep Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Identification—Key
In this activity you will:

Activity level: Intermediate and advanced members ages 12 to 18

• learn the parts of a sheep.

Write in the name that corresponds to the correct part of the animal below.



References: Sheep Breeding and Market Lamb 4-H Resource Handbook; Sheep Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Livestock Pig Parts

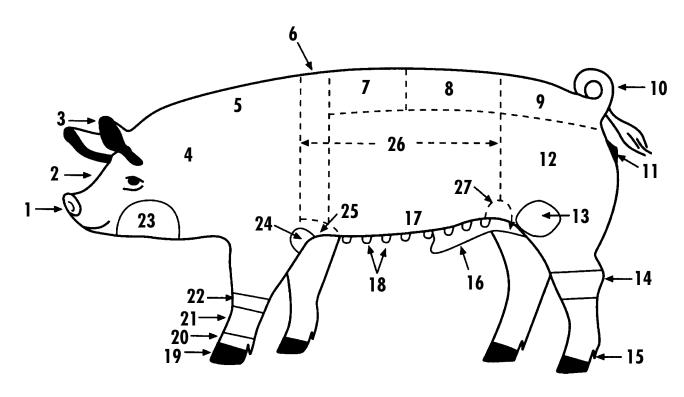
Pig PartsActivity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification

In this activity you will:

learn the parts of a pig.



 vulva	 head	 shoulder	 knee
 rear flank	 foot	 side	 jowl
 stifle joint	 tail	 back	 fore flank
 neck	 snout	 teats	 loin
 dewclaw	 ham	 rump	 sheath
 forerib	 ear	 pastern	 elbow
bellv	hock	cannon	

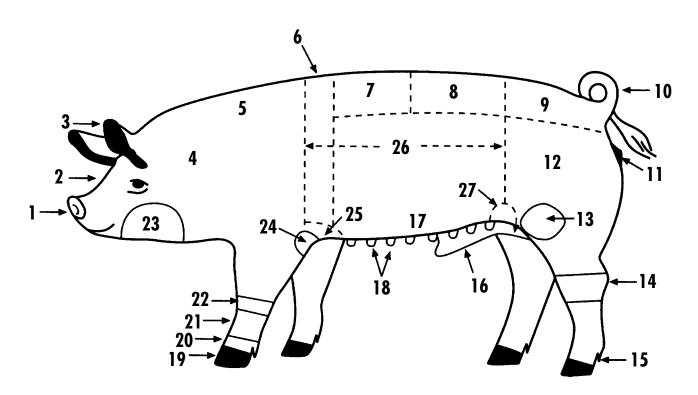
References: Market Hog 4-H Handbook #135R; Beef, Sheep, and Swine Selection and Evaluation 4-H Book #103R; Swine Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Pig PartsActivity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

Identification-In this activity you will:

learn the parts of a pig.



1	vulva	2	head	5	shoulder	22	knee
27	rear flank	19	foot	26	side	23	jowl
В	stifle joint	10	_ tail	7	back	25	fore flank
4	neck	1	snout	18	teats	8	loin
ъ	dewclaw	12	ham	9	rump	16	sheath
6	forerib	3	ear	20	pastern	24	elbow
7	- _ belly	14	hock	21	cannon		

References: Market Hog 4-H Handbook #135R; Beef, Sheep, and Swine Selection and Evaluation 4-H Book #103R; Swine Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2-28

Livestock Pig Parts

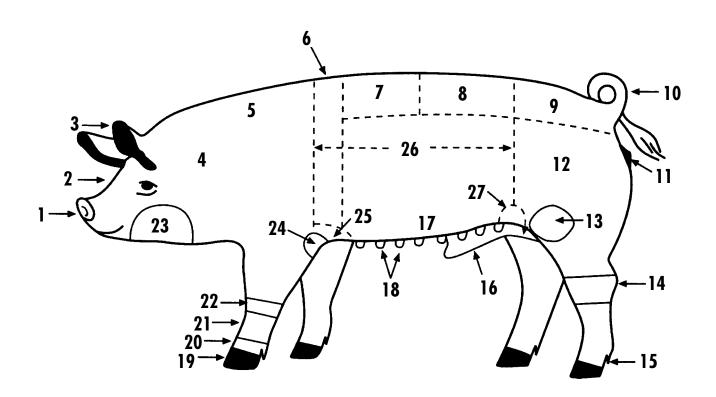
Activity level: Intermediate and advanced members ages 12 to 18

Write in the name that corresponds to the correct part of the animal.

Identification

In this activity you will:

• learn the parts of a pig.



1	10	19
	11	
	12	
4	13	22
5	14	23
6	15	24
7	16	25
8	17	26
	18	

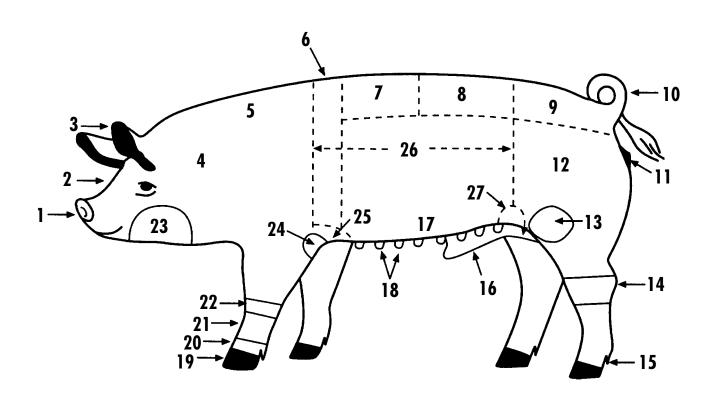
References: Market Hog 4-H Handbook #135R; Beef, Sheep, and Swine Selection and Evaluation 4-H Book #103R; Swine Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Pig Parts

Activity level: Intermediate and advanced members ages 12 to 18 Write in the name that corresponds to the correct part of the animal.



• learn the parts of a pig.



1	snout	10	tail	19	foot (toes)
2	head	11	vuvla (Guilt)	20	pastern
3	ear	12	ham	21	cannon
4.	neck	 13.	stifle joint		knee
5.	shoulder	 14.	hock	 23.	jowl
6.	forerib area	 15.	dewdaw	 24.	elbow
7.	back	 16.	sheath (Barrow)	 25.	fore flank
8	loin	 17	belly	 26	side
9	rump	 18	teats	 27	rear flank

References: Market Hog 4-H Handbook #135R; Beef, Sheep, and Swine Selection and Evaluation 4-H Book #103R; Swine Livestock Learning Laboratory Kit Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

2-30

Beef Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

- A. Knock kneed or splayfooted
- B. Bowlegged or pigeon toed
- C. Correct
- D. Cow hocked or splayfooted
- E. Bowlegged or pigeon toed

- F. Correct
- G. Buck kneed
- H. Calf kneed
- I. Sickle hocked
- J. Postlegged

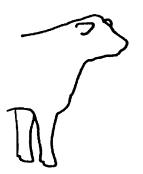
Identification

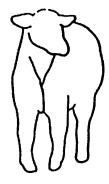
In this activity you will:

 identify the various feet and leg structure diagrams.



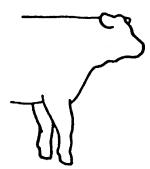


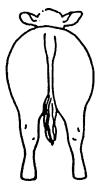
















References: Beef Resource 4-H Handbook; Beef Livestock Learning Laboratory Kit; Beef, Sheep and Swine Selection and Evaluation 4-H #103R Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Beef Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

- Knock kneed or splayfooted
- Bowlegged or pigeon toed
- Correct
- Cow hocked or splayfooted
- Bowlegged or pigeon toed

- Correct
- Buck kneed
- Calf kneed
- Sickle hocked
- Postlegged

Identification-

In this activity you will:

identify the various feet and leg structure diagrams.











D

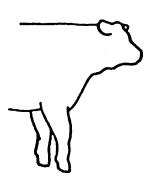








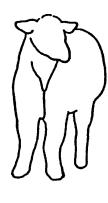
B or E



G



C or F





References: Beef Resource 4-H Handbook; Beef Livestock Learning Laboratory Kit; Beef, Sheep and Swine Selection and Evaluation 4-H #103R Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Dairy Cattle Feet and Leg Structure

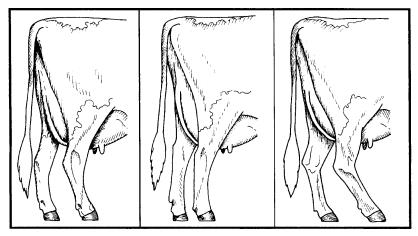
On the blanks, write the letter of the term that corresponds to the diagram below.

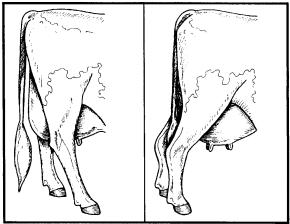
- A. Weak Pastern, Shallow Heel
- B. Thurls Too Far Back
- C. Sickle-Hocked
- D. Cow-Hocked
- E. Correct, Ideal Pastern

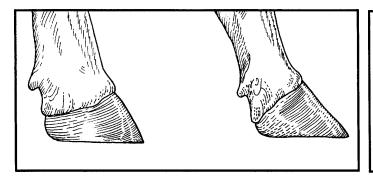
- F. Correct Set
- G. Correct, Ideal Rear Legs
- H. Post Legged
- I. Correct, Thurl Placement

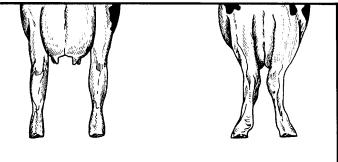
Identification In this activity you will:

 identify the various feet and leg structure diagrams.









Reference: Dairy Livestock Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

Dairy Cattle Feet and Leg Structure

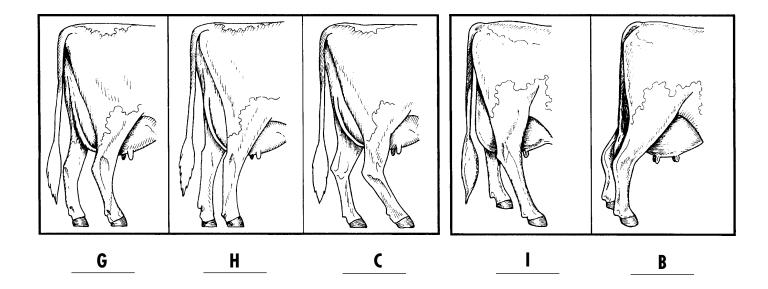
On the blanks, write the letter of the term that corresponds to the diagram below.

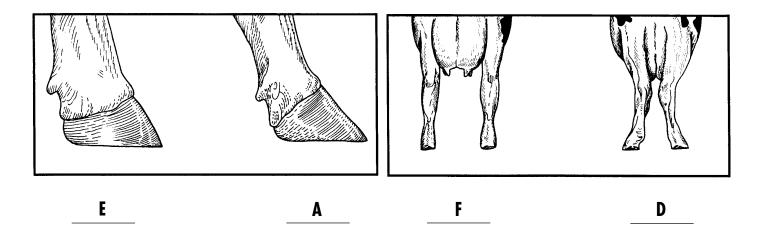
- A. Weak Pastern, Shallow Heel
- B. Thurls Too Far Back
- C. Sickle-Hocked
- D. Cow-Hocked
- E. Correct, Ideal Pastern

- F. Correct Set
- G. Correct, Ideal Rear Legs
- H. Post Legged
- I. Correct, Thurl Placement

Identification—Key In this activity you will:

 identify the various feet and leg structure diagrams.





Reference: Dairy Livestock Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

Goat Mammary Structure On the blanks, write the letter of the term that corresponds to the diagram below.

- Fore Udder Attachments, Broken
- Rear Udder Attachments, Ideal
- Medial Suspensory Ligaments, Broken
- Medial Suspensory Ligaments, Ideal
- Medial Suspensory Ligaments, Weakened
- F. Bottle-shaped teats
- Spur teat
- Teats that point sideways H.
- Pencil-shaped teats
- Uneven teats

Identification

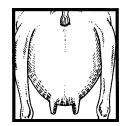
In this activity you will:

- identify the various udder structure diagrams.
 - Extremely small teats
 - Ideal teats



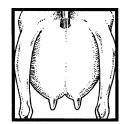




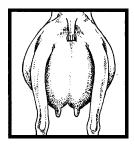


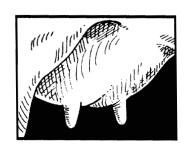


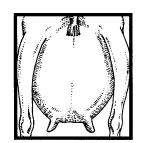


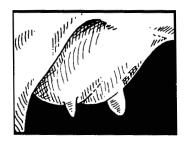












References: 4-H Goat Handbook; Goat Learning Laboratory Kit Prepared By: Andrea Auker, Animal Sciences Student

Goat Mammary Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

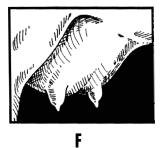
- Fore Udder Attachments, Broken
- Rear Udder Attachments, Ideal
- Medial Suspensory Ligaments, Broken
- Medial Suspensory Ligaments, Ideal
- Medial Suspensory Ligaments, Weakened

- F. Bottle-shaped teats
- G. Spur teat
- H. Teats that point sideways
- Pencil-shaped teats
- Uneven teats

Identification—Ke

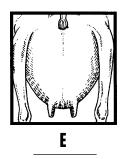
In this activity you will:

- identify the various udder structure diagrams.
 - Extremely small teats
 - Ideal teats

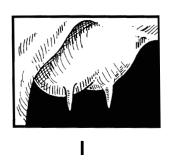


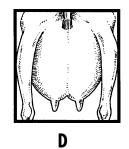


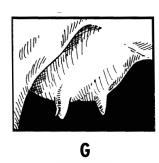


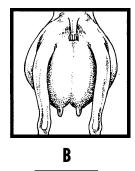




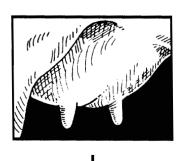


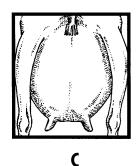


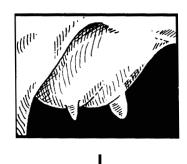




2-36







References: 4-H Goat Handbook; Goat Learning Laboratory Kit

Sheep Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

- A. Side View Rear Legs, Sickle-Hocked
- B. Side View Front Legs, Correct
- C. Side View Front Legs, Calf-Kneed
- D. Front View, Pigeon-Toed
- E. Side View Front Legs, Weak Pasterns
- F. Rear View, Correct
- G. Side View Front Legs, Buck-Kneed
- H. Front View, Knock-Kneed
- I. Front View, Splay-footed

Identification

In this activity you will:

- identify the various feet and leg structure diagrams.
 - J. Rear View, Cow-Hocked
 - K. Side View Rear Legs, Post-Legged
 - L. Front View, Bowlegged



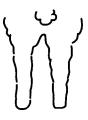








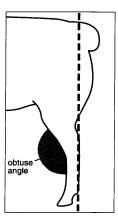


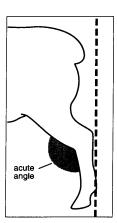












References: Sheep Resource 4-H Handbook; Sheep Livestock Learning Laboratory Kit; Beef, Sheep and Swine Selection and Evaluation 4-H #103R Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Sheep Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

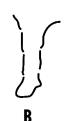
- A. Side View Rear Legs, Sickle-Hocked
- B. Side View Front Legs, Correct
- C. Side View Front Legs, Calf-Kneed
- D. Front View, Pigeon-Toed
- E. Side View Front Legs, Weak Pasterns
- F. Rear View, Correct
- G. Side View Front Legs, Buck-Kneed
- H. Front View, Knock-Kneed
- I. Front View, Splay-footed

Identification—Key In this activity you will:

- identify the various feet and leg structure diagrams.
 - J. Rear View, Cow-Hocked
 - K. Side View Rear Legs, Post-Legged
 - L. Front View, Bowlegged

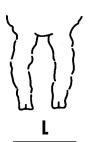










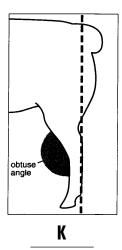


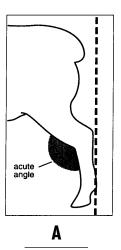












References: Sheep Resource 4-H Handbook; Sheep Livestock Learning Laboratory Kit; Beef, Sheep and Swine Selection and Evaluation 4-H #103R Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Swine Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

- A. Normal
- D. Weak pastern
- G. Splayfooted

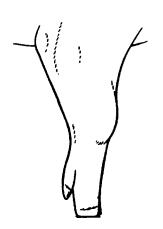
- B. Sickle-hocked
- E. Normal
- H. Pigeon-toed

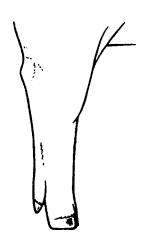
- C. Post-legged
- F. Buck-kneed

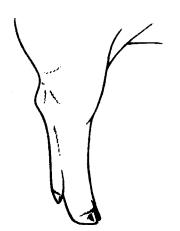
Identification

In this activity you will:

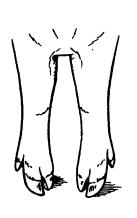
 identify the various feet and leg structure diagrams.

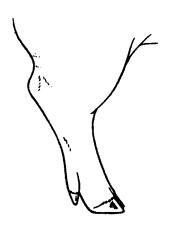




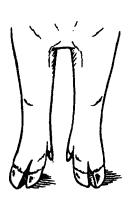












Reference: National Pork Producers Council, "Producers to Evaluate Market Hogs" Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

Swine Feet and Leg Structure

On the blanks, write the letter of the term that corresponds to the diagram below.

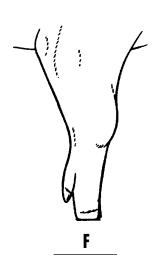
- A. Normal
- D. Weak pastern
- G. Splayfooted

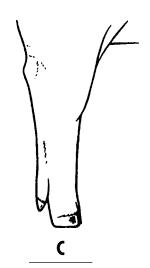
- B. Sickle-hocked
- E. Normal
- H. Pigeon-toed

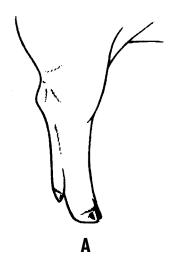
- C. Post-legged
- F. Buck-kneed

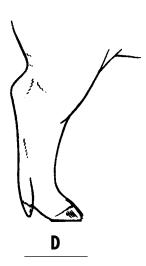
Identification—Key In this activity you will:

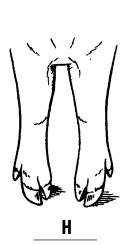
 identify the various feet and leg structure diagrams.

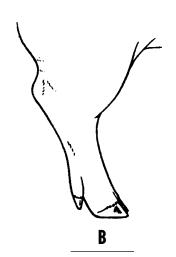


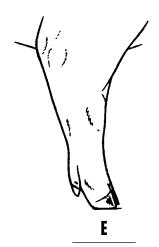


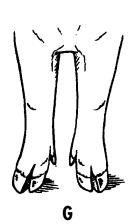












Reference: National Pork Producers Council, "Producers to Evaluate Market Hogs" Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockBeef Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

"Curly," the hereford steer (#351) you are planning to take to the fair next month, is lame in the left front leg. Today your veterinarian has diagnosed the

Decision-Making
In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

steer's problem as foot rot and has given it an initial treatment at the time of the examination. The veterinarian has left additional prescribed medication with you to continue the treatment. The directions on the medication tell you to give the steer 1 cc per 50 pounds body weight once daily for 4 days, beginning tomorrow, and to give it by intramuscular injection. Your steer weighs 1,000 pounds. Remember, your veterinarian treated the steer today, April 3, around 4:00 p.m. and you will treat it 4 more days as directed. The hold time on this product is 14 days.

Bottle Label

Emily Edwards, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: Jennifer Wilson Date: April 3
Animal ID: Hereford #351 Indications: Foot rot
Directions: 1 cc per 50 pounds body weight IM once
daily for four days.

Precaution: Avoid injection into muscle of high carcass value.

Warning: Use of this drug must be discontinued for **14** days before slaughter or market for food.

Product/Active Ingredient(s): **Hvdrocillin**

Expiration Date: **September 30**

April											
				1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30						

	Treatment Record												
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.					

Teaching References: Caring for Animals Discussion Guide and video, and the 4-H Beef Resource Handbook. The Beef Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

Livestock **Beef Quality Assurance**

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

"Curly," the hereford steer (#351) you are planning to take to the fair next month, is lame in the left front leg. Today your veterinarian has diagnosed the Decision-Making In this activity you will:

learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

steer's problem as foot rot and has given it an initial treatment at the time of the examination. The veterinarian has left additional prescribed medication with you to continue the treatment. The directions on the medication tell you to give the steer 1 cc per 50 pounds body weight once daily for 4 days, beginning tomorrow, and to give it by intramuscular injection. Your steer weighs 1,000 pounds. Remember, your veterinarian treated the steer today, April 3, around 4:00 p.m. and you will treat it 4 more days as directed. The hold time on this product is 14 days.

Bottle Label

Emily Edwards, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: **Jennifer Wilson** Date: April 3 Animal ID: Hereford #351 Indications: Foot rot Directions: 1 cc per 50 pounds body weight IM once daily for four days.

Precaution: Avoid injection into muscle of high carcass value.

Warning: Use of this drug must be discontinued for 14 days

before slaughter or market for food.

Product/Active Ingredient(s): **Hvdrocillin**

Expiration Date: September 30

April											
				1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30						

				Treatme	nt Record			is not supplied in the situation, eed to complete this box.
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
4-3	Steer #351	Foot rot	1,000 lb	Hydrocillin 20 cc IM	14 days Meat	X	417	
4-4	Steer #351	Foot rot	1,000 lb	Hydrocillin 20 cc IM	14 days Meat	X	4-18	Emily Edwards, DVM
4-5	Steer #351	Foot rot	1,000 lb	Hydrocillin 20 cc IM	14 days Meat	X	4-19	100 Quality Avenue Hometown, OH 43200
4-6	Steer #351	Foot rot	1,000 lb	Hydrocillin 20 cc IM	14 days Meat	Х	4-20	614-555-5050
4-7	Steer #351	Foot rot	1,000 lb	Hydrocillin 20 cc IM	14 days Meat	X	4-21	

Teaching References: Caring for Animals Discussion Guide and video, and the 4-H Beef Resource Handbook. The Beef Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

2-42

Dairy Cattle Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is February 5. At the afternoon milking today, you notice the right front quarter on cow #28, a 1,200 pound Holstein, has abnormal milk. You saw

Decision-Making

In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

several flakes and thick milk on the strip plate while preparing the cow for milking. You decide she has mastitis. The udder feels normal as is the cow's temperature and appetite. At the end of the milking, you medicate the right front quarter using an over-the-counter (OTC) intramammary infusion product called SUPER-MASTTM. The time of the treatment is 6:00 p.m. The label of the product is seen below. You mark the cow as treated by attaching a red leg band to the rear leg. Fill out the treatment record for today's treatment.

Bottle Label

SUPER-MAST™ Hydrocillin Lactating Cow Intramammary Infusion

Each 10 ml single dose disposable syringe contains 50 mg hydrocillin in a base suitable for the treatment of bovine mastitis during the lactating period.

Indications: For the intramammary treatment of bovine mastitis caused by susceptible bacteria.

Administration: After milking, clean and disinfect the teat end with an alcohol swab. Remove the protective covering from the tip and insert the tip into the teat orifice. Express the contents of the tube into the quarter with gentle pressure. Withdraw the syringe and massage the medication up into the affected quarter. Milk out the quarter at the next routine milking.

Storage: Store between 45 and 75 degrees F.

WARNING: Milk that has been taken from animal during treatment and for 72 hours (3 days) after the last treatment must be discarded. Treated animal should not be slaughtered for food purposes for 10 days following the last treatment.

Net contents: 10 ml SKILLATHON ANIMAL HEALTH COMPANY Veterinary use only—not for human use

	February										
	1	1 2 3 4 5 6									
7	8	9	10	11	12	13					
14	15	16	17	18	19	20					
21	22	23	24	25	26	27					
28											

	Treatment Record											
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.				

Teaching References: Dairy Learning Laboratory Kit, Curriculum Guide and video. The dairy kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

Lift-Off 2–43

LivestockDairy Cattle Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is February 5. At the afternoon milking today, you notice the right front quarter on cow #28, a 1,200 pound Holstein, has abnormal milk. You saw

Decision-Making—Key
In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

several flakes and thick milk on the strip plate while preparing the cow for milking. You decide she has mastitis. The udder feels normal as is the cow's temperature and appetite. At the end of the milking, you medicate the right front quarter using an over-the-counter (OTC) intramammary infusion product called SUPER-MASTTM. The time of the treatment is 6:00 p.m. The label of the product is seen below. You mark the cow as treated by attaching a red leg band to the rear leg. Fill out the treatment record for today's treatment.

Bottle Label

SUPER-MAST™ Hydrocillin Lactating Cow Intramammary Infusion

Each 10 ml single dose disposable syringe contains 50 mg hydrocillin in a base suitable for the treatment of bovine mastitis during the lactating period.

Indications: For the intramammary treatment of bovine mastitis caused by susceptible bacteria.

Administration: After milking, clean and disinfect the teat end with an alcohol swab. Remove the protective covering from the tip and insert the tip into the teat orifice. Express the contents of the tube into the quarter with gentle pressure. Withdraw the syringe and massage the medication up into the affected quarter. Milk out the quarter at the next routine milking.

Storage: Store between 45 and 75 degrees F.

WARNING: Milk that has been taken from animal during treatment and for 72 hours (3 days) after the last treatment must be discarded. Treated animal should not be slaughtered for food purposes for 10 days following the last treatment.

Net contents: 10 ml
SKILLATHON ANIMAL HEALTH COMPANY
Veterinary use only—not for human use

February												
	1	1 2 3 4 5 6										
7	8	9	10	11	12	13						
14	15	16	17	18	19	20						
21	22	23	24	25	26	27						
28												

				Treatmer	nt Record	X = This therefor	information wa e you do not n	is not supplied in the situation, eed to complete this box.
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
2/5 6 p.m.	#28 Holstein cow	mastitis	1,200 lb	Super-Mast 10 ml intramammary in right front quarter	Milk—3 days Meat—10 days	Х	Mik—2/8 6 p.m. Med—2/15 6 p.m.	X

Teaching References: Dairy Learning Laboratory Kit, Curriculum Guide and video. The dairy kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

2-44 Lift-Off

LivestockGoat Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

The market goat you have been planning to take to the fair is lame. Today your veterinarian diagnosed the goat's problem as foot rot and gave it an initial treatment at the time of the examination. The veterinarian left additional medication with you to continue the treatment. The directions on the medication tell you to give the goat 2 cc's per 100 pounds body weight once daily for 3 days, beginning tomorrow, and to give it by intramuscular injection. Your goat weighs 50 pounds. Remember, your veterinarian treated the goat today, June 8, and you will treat the goat 3 more days as directed.

Bottle Label

Susan Q. Veterinarian, DVM 100 Quality Drive Anywhere, OH 43210 614-555-0000

Owner: **Keith Young**Animal ID: **Goat 101-Saanen** Indications: **Foot rot**Directions: **Give 2 cc per 100 pounds body weight**

once daily intramuscularly for 3 days.

Precaution: Avoid muscle of high carcass value. Warning: Use of this drug must be discontinued for 30

days before slaughter or market for food.

Product/Active Ingredient(s): **Hydrocillin**

Decision-Making

In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

	June											
		1	2	3	4	5						
6	7	8	9	10	11	12						
13	14	15	16	17	18	19						
20	21	22	23	24	25	26						
27	28	29	30									

			July			
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

	Treatment Record												
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.					

Teaching References: Caring for Animals Discussion Guide and video; the 4-H Goat Handbook; and the Goat Learning Laboratory Kit, which contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Gary Bowman, OSU Extension Veterinarian

Lift-Off

Goat Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

The market goat you have been planning to take to the fair is lame. Today your veterinarian diagnosed the goat's problem as foot rot and gave it an initial treatment at the time of the examination. The veterinarian left additional medication with you to continue the treatment. The directions on the medication tell you to give the goat 2 cc's per 100 pounds body weight once daily for 3 days, beginning tomorrow, and to give it by intramuscular injection. Your goat weighs 50 pounds. Remember, your veterinarian treated the goat today, June 8, and you will treat the goat 3 more days as directed.

Bottle Label

Susan Q. Veterinarian, DVM 100 Quality Drive Anywhere, OH 43210 614-555-0000

Owner: Keith Young Date: June 8
Animal ID: Goat 101-Saanen Indications: Foot rot
Directions: Give 2 cc per 100 pounds body weight

once daily intramuscularly for 3 days.

Precaution: Avoid muscle of high carcass value. Warning: Use of this drug must be discontinued for 30

days before slaughter or market for food.

Product/Active Ingredient(s): **Hydrocillin**

Decision-Making—Key In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

	June											
		1	2	3	4	5						
6	7	8	9	10	11	12						
13	14	15	16	17	18	19						
20	21	22	23	24	25	26						
27	28	29	30									

	July										
				1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30	31					

				Treatme	nt Record	X = This	s information we e you do not n	eed to complete this box.
Treatment Date	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
6-9	Goat 101- Saanen	foot rot	50 lb	Hydrocillin 1 cc IM	30 days meat	X	7/9	Susan Q. Veterinarian, DVM
6-10	Goat 101- Saanen	foot rot	50 lb	Hydrocillin 1 cc IM	30 days meat	х	7/10	100 Quality Drive Anywhere, OH 43210 614-555-0000
611	Goat 101- Saanen	foot rot	50 lb	Hydrocillin 1 cc IM	30 days meat	X	<i>7/</i> 11	

Teaching References: Caring for Animals Discussion Guide and video; the 4-H Goat Handbook; and the Goat Learning Laboratory Kit, which contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Gary Bowman, OSU Extension Veterinarian

2-46 Lift-Off

LivestockSheep Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is May 15. Your name is Lynn Monroe. Your Suffolk market lamb "Elmo" (ear tag #3159) you are planning to take to the county fair July 2—7 is lame on

Decision-Making In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

the left front leg. When you examine it, you find the foot smells bad and the hoof wall is separating from the sole. These findings lead you to believe the lamb has foot rot. The veterinarian who regularly cares for your animals is Angela Adams, DVM. She examined the animal and gave you (prescribed) the bottle of medication listed below and instructed you to give the treatment today at 3:00 p.m. Your lamb weighs about 100 pounds.

Bottle Label

Angela Adams, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: Lynn Monroe Date: May 15
Animal ID: Lamb #3159 Indications: Foot rot
Directions: Give 5 ml (cc) intramuscularly on May 15,

at 3 p.m.

Precaution: Avoid the muscle tissues of high carcass

value.

Warning: Use of this drug must be discontinued for 10 days

before slaughter or market for food.

Product/Active Ingredient(s): **Biomycin**

Expiration Date: August 15

	May										
						1					
2	3	4	5	6	7	8					
9	10	11	12	13	14	15					
16	17	18	19	20	21	22					
23	24	25	26	27	28	29					
30	31	·				·					

	Treatment Record									
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date and Time Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.		

Teaching References: Caring for Animals Discussion Guide and video, the 4-H Market Lamb Resource Handbook #250R, and the 4-H Sheep Breeding Handbook #194R. The Sheep Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

Lift-Off 2–47

Livestock **Sheep Quality Assurance**

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is May 15. Your name is Lynn Monroe. Your Suffolk market lamb "Elmo" (ear tag #3159) you are planning to take to the county fair July 2-7 is lame on

the left front leg. When you examine it, you find the foot smells bad and the hoof wall is separating from the sole. These findings lead you to believe the lamb has foot rot. The veterinarian who regularly cares for your animals is Angela Adams, DVM. She examined the animal and gave you (prescribed) the bottle of medication listed below and instructed you to give the treatment today at 3:00 p.m. Your lamb weighs about 100 pounds.

Decision-Making In this activity you will:

learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

Bottle Label

Angela Adams, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: Lynn Monroe Date: May 15 Animal ID: Lamb #3159 Indications: Foot rot Directions: Give 5 ml (cc) intramuscularly on May 15, at 3 p.m.

Precaution: Avoid the muscle tissues of high carcass

Warning: Use of this drug must be discontinued for 10 days

before slaughter or market for food. Product/Active Ingredient(s): **Biomycin**

Expiration Date: August 15

	May										
						1					
2	3	4	5	6	7	8					
9	10	11	12	13	14	15					
16	17	18	19	20	21	22					
23	24	25	26	27	28	29					
30	31										

				Treatme	nt Record	X = This therefor	information we e you do not n	is not supplied in the situation, eed to complete this box.
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date and Time Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
5-15 3:00 p.m.	Elmo Mkt lamb #3159 Suffolk	Foot rot	100 lb	Biomycin 5 ml IM	10 days Meat	X	5-25 3:00 p.m.	Angela Adams, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Teaching References: Caring for Animals Discussion Guide and video, the 4-H Market Lamb Resource Handbook #250R, and the 4-H Sheep Breeding Handbook #194R. The Sheep Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise. Lesson plan by: Dr. Bill Shulaw, OSU Extension Veterinarian

LivestockSwine Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is July 11, and your name is Jenny Jones. The market hog "Spot" (a 200-pound blue-butt barrow with ear notch 36-7) you have been raising since April

Decision-Making In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

started having difficulty breathing yesterday. This morning the hog failed to eat its feed and was reluctant to move unless forced to do so. At your request, Dr. Bruce E. Losis, the local veterinarian, examined your hog and diagnosed its problem as pneumonia. He administered medications at the time of the examination. He has left more medicine for you to give tomorrow, July 12 at 2:00 p.m.

Bottle Label

Bruce E. Losis, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: Jenny Jones Date: July 11

Animal ID: Hog 36-7 Indications: Pneumonia
Directions: Give 15 ml (cc) subcutaneously on July 12.
Precaution: Use care in injections to avoid infections.

Warning: Use of this drug must be discontinued for 7 days

before slaughter or market for food.

Product/Active Ingredient(s): **Biomycin**

Expiration Date: August 1

	July										
				1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30	31					

	Treatment Record									
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.		

Teaching References: Caring for Animals Discussion Guide and video, and the 4-H Market Hog Handbook #135R. The Swine Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise.

Lesson plan by: Dr. Gary Bowman, OSU Extension Veterinarian

Lift-Off 2–49

Swine Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is July 11, and your name is Jenny Jones. The market hoa "Spot" (a 200pound blue-butt barrow with ear notch 36-7) you have been raising since April

In this activity you will: learn about Quality Assurance by practicing how to record animal

medication information on the treatment record

Decision-Making-

started having difficulty breathing yesterday. This morning the hog failed to eat its feed and was reluctant to move unless forced to do so. At your request, Dr. Bruce E. Losis, the local veterinarian, examined your hog and diagnosed its problem as pneumonia. He administered medications at the time of the examination. He has left more medicine for you to give tomorrow, July 12.

Bottle Label

Bruce E. Losis, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Owner: **Jenny Jones** Date: July 11

Indications: Pneumonia Animal ID: Hog 36-7 Directions: Give 15 ml (cc) subcutaneously on July 12. Precaution: Use care in injection to avoid infections.

Warning: Use of this drug must be discontinued for **7** days

before slaughter or market for food. Product/Active Ingredient(s): **Biomycin**

Expiration Date: August 1

	July										
				1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30	31					

				Treatme	nt Record	X = Thi therefo	s information w re you do not i	ras not supplied in the situation, need to complete this box.
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
7-12 2:00 p.m.	"Spot" Market Hog 36-7 Blue- Butt barrow	Pneumonia	200 lb	Biomycin 15 ml SQ	7 days Meat	X	7-19 2:00 p.m.	Bruce E. Losis, DVM 100 Quality Avenue Hometown, OH 43200 614-555-5050

Teaching References: Caring for Animals Discussion Guide and video, and the 4-H Market Hog Handbook #135R. The Swine Learning Laboratory Kit contains a medicine bottle, syringe, and skeletal poster which are helpful but not necessary for this exercise. Lesson plan by: Dr. Gary Bowman, OSU Extension Veterinarian

2-50

LivestockPoultry Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is May 12. You notice several of the flock of 20 White Leghorn pullets you purchased 3 weeks ago have a discharge today from their nostrils, watery eyes,

Decision-Making In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

and are coughing. These are the only chickens you have. The flock did not eat nearly as much feed the past day as usual. Because you could tell your chickens are sick, you take two to the local veterinarian for diagnosis and treatment of the illness. The veterinarian diagnoses the condition as a respiratory infection called air sacculitis and tells you that, while he does not carry the needed medication, Superbiotic™, it is available as an over-the-counter (OTC) drug at the nearby farm supply center. He tells you to medicate the chickens' drinking water starting today, continue for a total of 4 days, and replace the medicated water with clear water on the morning of May 16. Complete the treatment record for May 15.

Packet Label

Superbiotic

(10% Hydrocycline Tartrate)

A broad spectrum antibiotic for oral administration in the treatment and prevention of respiratory diseases of poultry caused by susceptible bacteria.

Directions: Mix the contents of this packet in 10 gallons of drinking water. This medicated drinking water should be the sole source of drinking water during the period of medication which must not exceed 14 days.

WARNING: Discontinue use in poultry **5** days before slaughter.

Store below 77 degrees F. Keep packet dry.
Net Contents: 25 grams
Distributed by USA Animal Health, Inc.

	May										
						1					
2	3	4	5	6	7	8					
9	10	11	12	13	14	15					
16	17	18	19	20	21	22					
23	24	25	26	27	28	29					
30	31										

	Treatment Record									
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date and Time Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.		

References: Caring for Animals Discussion Guide and video. The Poultry Learning Laboratory Kit contains items which are helpful but not necessary for this exercise.

Prepared by Drs. Gary Bowman and Teresa Morishita, Ohio State University Extension Veterinarians

Lift-Off 2–51

LivestockPoultry Quality Assurance

Read the situation statement and label of the medication and complete the treatment record.

Situation Statement

Today is May 12. You notice several of the flock of 20 White Leghorn pullets you purchased 3 weeks ago have a discharge today from their nostrils, watery eyes,

Decision-Making—Key In this activity you will:

 learn about Quality Assurance by practicing how to record animal medication information on the treatment record.

and are coughing. These are the only chickens you have. The flock did not eat nearly as much feed the past day as usual. Because you could tell your chickens are sick, you take two to the local veterinarian for diagnosis and treatment of the illness. The veterinarian diagnoses the condition as a respiratory infection called air sacculitis and tells you that, while he does not carry the needed medication, SuperbioticTM, it is available as an over-the-counter (OTC) drug at the nearby farm supply center. He tells you to medicate the chickens' drinking water starting today, continue for a total of 4 days, and replace the medicated water with clear water on the morning of May 16. Complete the treatment record for May 15.

Packet Label

Superbiotic

(10% Hydrocycline Tartrate)

A broad spectrum antibiotic for oral administration in the treatment and prevention of respiratory diseases of poultry caused by susceptible bacteria.

Directions: Mix the contents of this packet in 10 gallons of drinking water. This medicated drinking water should be the sole source of drinking water during the period of medication which must not exceed 14 days.

WARNING: Discontinue use in poultry **5** days before slaughter.

Store below 77 degrees F. Keep packet dry.
Net Contents: 25 grams
Distributed by USA Animal Health, Inc.

			May			
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

				Treatmer	nt Record	X = This therefor	information wa e you do not ne	s not supplied in the situation, ed to complete this box.
Treatment Date and Time	Animal ID Name Species ID Number Description	Condition Being Treated	Estimated Weight	Treatment Given (Medication dispensed, amount, and route)	Instructed Meat/Milk/Egg Withdrawal	Results	Date and Time Withdrawal Complete	If this is an extra label or Rx drug, list the name, address, and phone number of the licensed veterinarian who prescribed or directed the treatment.
5-15	20 White Leghorn Pullets	Air Sacculitis	X	Superbiotic 1 packet/10 gallons of drinking water	5 days	x	5-20	No extra label or Rx drug was given.

References: Caring for Animals Discussion Guide and video. The Poultry Learning Laboratory Kit contains items which are helpful but not necessary for this exercise.

Prepared by Drs. Gary Bowman and Teresa Morishita, Ohio State University Extension Veterinarians

2-52 Lift-Off

LivestockBeef: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

learn how to read a feed tag.

MGA HEIFER SUPPLEMENT MEDICATED

SUPPLEMENT FOR GROWING/FINISHING BEEF HEIFERS

FOR INCREASED RATE OF WEIGHT GAIN, IMPROVED FEED EFFICIENCY AND SUPPRESSION OF ESTRUS (HEAT) IN HEIFERS FED FOR SLAUGHTER.

ACTIVE DRUG INGREDIENT

GUARANTEED ANALYSIS

CRUDE PROTEIN	MIN 10.00%
CRUDE FAT	MIN 2.00%
CRUDE FIBER	MAX 25.00%
CALCIUM	MIN 5.50%
CALCIUM	MAX 6.50%
SALT	MIN 4.50%
SALT	MAX 5.50%
POTASSIUM	MIN 0.60%
SELENIUM	MIN 13.00 PPM
VITAMIN A	MIN 100,000.0 IU/LB

INGREDIENTS

PROCESSED GRAIN BY-PRODUCTS, ROUGHAGE PRODUCTS, GROUND LIMESTONE, SLAT, POTASSIUM SULFATE, MAGNESIUM SULFATE, SODIUM SELENITE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, ZINC SULFATE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, CALCIUM IODATE, COBALT CARBONATE FERROUS SULFATE.

FEEDING DIRECTIONS

Each pound of supplement will provide 1.0 mg. of melengestrol acetate. Thoroughly mix and feed at the rate of 0.5 pound per head per day to provide 0.5 mg. of melengestrol acetate per head per day. Feed continuously throughout period heifers are being grown and finished for slaughter. This supplement should be fed in controlled amounts with roughage and other feed ingredients.

NOTE
NOT EFFECTIVE FOR SPAYED HEIFERS AND STEERS.

MANUFACTURED BY: SKILLATHON FEED

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed?
- 2. What is the active drug ingredient in this ration?
- 3. For how many days prior to slaughter should this feed be removed?
- 4. What is the crude fat level of this diet?
- 5. What is the crude protein level for this diet?

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences

Beef: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

learn how to read a feed tag.

MGA HEIFER SUPPLEMENT MEDICATED

SUPPLEMENT FOR GROWING/FINISHING BEEF HEIFERS

FOR INCREASED RATE OF WEIGHT GAIN, IMPROVED FEED EFFICIENCY AND SUPPRESSION OF ESTRUS (HEAT) IN HEIFERS FED FOR SLAUGHTER.

ACTIVE DRUG INGREDIENT

GUARANTEED ANALYSIS

CRUDE PROTEIN	MIN 10.00%
CRUDE FAT	MIN 2.00%
CRUDE FIBER	MAX 25.00%
CALCIUM	MIN 5.50%
CALCIUM	MAX 6.50%
SALT	MIN 4.50%
SALT	MAX 5.50%
POTASSIUM	MIN 0.60%
SELENIUM	MIN 13.00 PPM
VITAMIN A	MIN 100,000.0 IU/LB

INGREDIENTS

PROCESSED GRAIN BY-PRODUCTS, ROUGHAGE PRODUCTS, GROUND LIMESTONE, SLAT, POTASSIUM SULFATE, MAGNESIUM SULFATE, SODIUM SELENITE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, ZINC SULFATE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, CALCIUM IODATE, COBALT CARBONATE FERROUS SULFATE.

FEEDING DIRECTIONS

Each pound of supplement will provide 1.0 mg. of melengestrol acetate. Thoroughly mix and feed at the rate of 0.5 pound per head per day to provide 0.5 mg. of melengestrol acetate per head per day. Feed continuously throughout period heifers are being grown and finished for slaughter. This supplement should be fed in controlled amounts with roughage and other feed ingredients.

NOTE
NOT EFFECTIVE FOR SPAYED HEIFERS AND STEERS.

MANUFACTURED BY: SKILLATHON FEED

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed? processed grain by-products
- 2. What is the active drug ingredient in this ration? **melengestrol acetate**
- 3. For how many days prior to slaughter should this feed be removed?

None required

- 4. What is the crude fat level of this diet?
- 5. What is the crude protein level for this diet?

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences

2–54 Lift-Of

Dairy: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

• learn how to read a feed tag.

DAIRY CONCENTRATE

CONCENTRATE FOR LACTATING DAIRY CATTLE

GUARANTEED ANALYSIS

CRUDE PROTEIN	MIN 18.00%
CRUDE FAT	MIN 2.50%
CRUDE FIBER	MAX 7.00
ACID DETERGENT FIBER	MAX 9.00%
CALCIUM	MIN 0.50%
CALCIUM	MAX 1.00%
PHOSPHORUS	MIN 0.60%
SELENIUM	MIN 0.70 PPM
VITAMIN A	MIN 7,000.00 IU/LB

INGREDIENT USAGE

PROCESSED GRAIN BY-PRODUCTS, GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ROUGHAGE PRODUCTS, GROUND LIMESTONE, SALT, LIGNIN SULFONATE, SODIUM SELENITE, POTASSIUM SULFATE, MAGNESIUM SULFATE, CALCIUM PHOSPHATE, MAGNESIUM OXIDE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, ZINC SULFATE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, CALCIUM IODATE, COBALT CARBONATE, FERROUS SULFATE.

FEEDING DIRECTIONS

FEED DAIRY CONCENTRATE AS THE CONCENTRATE PORTION OF THE DAIRY RATION. THIS CONCENTRATE IS INTENDED FOR USE WHEN THE ROUGHAGE PORTION OF THE DIET CONSISTS OF 60% OR MORE CORN SILAGE (ON A DRY MATTER BASIS). THIS FEED CONTAINS IN ADDITION TO OTHER NUTRIENTS, 0.7 PPM SELENIUM. INTAKE OF SELENIUM SHOULD NOT EXCEED 0.3 PPM ON A COMPLETE FEED BASIS, THEREFORE, THIS CONCENTRATE SHOULD NOT EXCEED 42.8% OF THE TOTAL RATION. PROVIDE CLEAN, FRESH WATER FREE CHOICE AT ALL TIMES. SALT MAY BE FED FOR FREE CHOICE CONSUMPTION.

DAIRY CONCENTRATE FEEDS ARE FORMULATED TO REGULATE THE AMOUNT OF BOTH SOLUBLE AND INSOLUBLE PROTEIN AND TO REGULATE THE AMOUNT OF NON-STRUCTURAL CARBOHYDRATES.

DAIRY CONCENTRATE FEEDS ARE FORMULATED TO REGULATE THE AMOUNT OF RUMINALLY AVAILABLE PROTEIN.

PATENT NO. X,XXX,XXX PATENT NOS. X,XXX,XXX & X,XXX,XXX

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS) OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed?
- 2. What is the minimum crude protein level?
- 3. Is this a medicated feed?
- 4. Is there a withdrawal time for this ration?
- 5. What is the minimum crude fat level of this diet?
- 6. Is ground limestone included in the ingredients of this diet?
- 7. What is the range for calcium content?

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Maurice Eastridge, State Extension Specialist, Animal Sciences

Dairy: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

• learn how to read a feed tag.

DAIRY CONCENTRATE

CONCENTRATE FOR LACTATING DAIRY CATTLE

GUARANTEED ANALYSIS

CRUDE PROTEIN	MIN 18.00%
CRUDE FAT	MIN 2.50%
CRUDE FIBER	MAX 7.00
ACID DETERGENT FIBER	MAX 9.00%
CALCIUM	MIN 0.50%
CALCIUM	MAX 1.00%
PHOSPHORUS	MIN 0.60%
SELENIUM	MIN 0.70 PPM
VITAMIN A	MIN 7,000.00 IU/LB

INGREDIENT USAGE

PROCESSED GRAIN BY-PRODUCTS, GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ROUGHAGE PRODUCTS, GROUND LIMESTONE, SALT, LIGNIN SULFONATE, SODIUM SELENITE, POTASSIUM SULFATE, MAGNESIUM SULFATE, CALCIUM PHOSPHATE, MAGNESIUM OXIDE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, ZINC SULFATE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, CALCIUM IODATE, COBALT CARBONATE, FERROUS SULFATE.

FEEDING DIRECTIONS

FEED DAIRY CONCENTRATE AS THE CONCENTRATE PORTION OF THE DAIRY RATION. THIS CONCENTRATE IS INTENDED FOR USE WHEN THE ROUGHAGE PORTION OF THE DIET CONSISTS OF 60% OR MORE CORN SILAGE (ON A DRY MATTER BASIS). THIS FEED CONTAINS IN ADDITION TO OTHER NUTRIENTS, 0.7 PPM SELENIUM. INTAKE OF SELENIUM SHOULD NOT EXCEED 0.3 PPM ON A COMPLETE FEED BASIS, THEREFORE, THIS CONCENTRATE SHOULD NOT EXCEED 42.8% OF THE TOTAL RATION. PROVIDE CLEAN, FRESH WATER FREE CHOICE AT ALL TIMES. SALT MAY BE FED FOR FREE CHOICE CONSUMPTION.

DAIRY CONCENTRATE FEEDS ARE FORMULATED TO REGULATE THE AMOUNT OF BOTH SOLUBLE AND INSOLUBLE PROTEIN AND TO REGULATE THE AMOUNT OF NON-STRUCTURAL CARBOHYDRATES.

DAIRY CONCENTRATE FEEDS ARE FORMULATED TO REGULATE THE AMOUNT OF RUMINALLY AVAILABLE PROTEIN.

PATENT NO. X,XXX,XXX
PATENT NOS. X,XXX,XXX & X,XXX,XXX

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS) OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed? processed grain by-products
- 2. What is the minimum crude protein level?
- 3. Is this a medicated feed?
- 4. Is there a withdrawal time for this ration?
 none required or "no"
- 5. What is the minimum crude fat level of this diet? **25%**
- 6. Is ground limestone included in the ingredients of this diet? **yes**
- 7. What is the range for calcium content? **05%-1.0%**

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Maurice Eastridge, State Extension Specialist, Animal Sciences

2-56 Lift-Off

Goat: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

learn how to read a feed tag.

NET WEIGHT 50 POUNDS

SKILLATHON GOAT RATION

Feed for Goats Older Than Four Months of Age

CAUTION: Use Only As Directed

GUARANTEED ANALYSIS

Crude Protein not less than	17.0000%
Crude Fat not less than	
Crude Fiber not more than	9.0000%
Calcium (Ca) not less than	0.8000%
Calcium (Ca) not more than	
Phosphorus (P) not less than	
Salt (NaCl) not less than	
Salt (NaCl) not more than	
Copper (Cu) not less than	
Copper (Cu) not more than	
Selenium (Se) not less than	
Vitamin A not less than	

INGREDIENTS

Grain products, processed grain by-products, molasses products, calcium carbonate, salt, dicalcium phosphate, soybean oil, sodium selenite, propionic acid (a preservative), tetrasodium pyrophosphate, vitamin E supplement, vitamin A supplement, vitamin D₃ supplement, ferrous carbonate, manganous oxide, zinc oxide, cobalt carbonate, calcium idodate, sodium molybdate.

DIRECTIONS

This goat ration can be fed to dry does, growing does, bucks, and as a milking ration. Feed one pound for every three pounds of milk produced. Use free-choice for young kids. Feed with good quality roughage to all goats after four months of age.

IMPORTANT

- 1. When making a ration change, allow 3-5 days for animals to adjust to the new ration.
- 2. Do not let fine material accumulate in feeders.
- Provide adequate bunk space for each animal. Bunks should be well protected and well managed to prevent feed from becoming wet and molding.
- 4. Provide a source of fresh, clean water at all times.
- 5. Feed salt free-choice.
- Consult your veterinarian for a recommended health program for your local area. This includes internal and external parasite control.
- 7. This product contains copper and should not be fed to sheep.

CAUTION

Store in a dry area away from insects. Do not feed moldy or insect-infested feed to animals as it may cause illness, abortion or death.

MANUFACTURED BY: SKILLATHON FEED

- 1. What is the main ingredient in this feed?
- 2. Is this a medicated feed?
- 3. What is the minimum crude protein level?
- 4. What is the minimum crude fat level of this diet?
- 5. Is calcium carbonate included in the ingredients of this diet?
- 6. Can this feed be given to lactating does?

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine, and Jodi Black, State 4-H Animal Sciences Extension Associate

Goat: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

NET WEIGHT 50 POUNDS

SKILLATHON GOAT RATION

Feed for Goats Older Than Four Months of Age

CAUTION: Use Only As Directed

GUARANTEED ANALYSIS

Crude Protein not less than	17.0000%
Crude Fat not less than	2.5000%
Crude Fiber not more than	9.0000%
Calcium (Ca) not less than	0.8000%
Calcium (Ca) not more than	
Phosphorus (P) not less than	0.6000%
Salt (NaCl) not less than	0.7500%
Salt (NaCl) not more than	1.2500%
Copper (Cu) not less than	18.0000 PPM
Copper (Cu) not more than	
Selenium (Se) not less than	
Vitamin A not less than	

INGREDIENTS

Grain products, processed grain by-products, molasses products, calcium carbonate, salt, dicalcium phosphate, soybean oil, sodium selenite, propionic acid (a preservative), tetrasodium pyrophosphate, vitamin E supplement, vitamin A supplement, vitamin D_3 supplement, ferrous carbonate, manganous oxide, zinc oxide, cobalt carbonate, calcium idodate, sodium molybdate.

DIRECTIONS

This goat ration can be fed to dry does, growing does, bucks, and as a milking ration. Feed one pound for every three pounds of milk produced. Use free-choice for young kids. Feed with good quality roughage to all goats after four months of age.

IMPORTANT

- 1. When making a ration change, allow 3-5 days for animals to adjust to the new ration.
- 2. Do not let fine material accumulate in feeders.
- Provide adequate bunk space for each animal. Bunks should be well protected and well managed to prevent feed from becoming wet and molding.
- 4. Provide a source of fresh, clean water at all times.
- 5. Feed salt free-choice.
- Consult your veterinarian for a recommended health program for your local area. This includes internal and external parasite control.
- 7. This product contains copper and should not be fed to sheep.

CAUTION

Store in a dry area away from insects. Do not feed moldy or insect-infested feed to animals as it may cause illness, abortion or death.

MANUFACTURED BY: SKILLATHON FEED

Decision-Making—Key In this activity you will:

- learn how to read a feed tag.
- What is the main ingredient in this feed?
 grain products
- 2. Is this a medicated feed?

n o

- 3. What is the minimum crude protein level?
- 4. What is the minimum crude fat level of this diet? **25%**
- 5. Is calcium carbonate included in the ingredients of this diet?

yes

6. Can this feed be given to lactating does?
yes

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine, and Jodi Black, State 4-H Animal Sciences Extension Associate

2–58 Lift-Off

Lamb: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

• learn how to read a feed tag.

LAMB STARTER MEDICATED

STARTER FOR GROWING LAMBS

FOR THE PREVENTION OF COCCIDIOSIS CAUSED BY Eimeria ovina, Eimenria crandallis, Eimeria ovinoidalis, Eimeria ininakohlyakimovae, Eimeria parva AND Eimeria intricata IN SHEEP MAINTAINED IN CONFINEMENT.

ACTIVE DRUG INGREDIENT

GUARANTEED ANALYSIS

00:	
CRUDE PROTEIN	MIN 20.00%
CRUDE FAT	MIN 2.50%
CRUDE FIBER	MAX 10.00%
CALCIUM	MIN 0.75%
CALCIUM	MAX 1.25%
PHOSPHORUS	MIN 0.55%
SALT	MIN 0.40%
SALT	MAX 0.90%
SELENIUM	MIN 0.30 PPM
VITAMIN A	MIN 2,000.00 IU/LB

INGREDIENT USAGE

Processed Grain By-Products, Grain Products, Plant Protein Products, Forage Products, Roughage Products, Molasses Products, Ground Limestone, Salt, Lignin Sulfonate, Potassium Sulfate, Magnesium Sulfate, Magnesium Oxide, Sodium Seleniite, Calcium Propionate, Vitamin E Supplement, Vitamin A Acetate, Vitamin D-3Supplement, Zinc Sulfate, Zinc Oxide, Sodium Molybdate, Manganous Oxide, Calcium Iodate, Cobalt Carbonate, Ferrous Sulfate.

FEEDING DIRECTIONS

LAMB STARTER MEDICATED contains 45 mgs. of lasalocid per pound. Feed continuously as the sole ration to growing lambs from 1 to 6 weeks of age at the rate of 0.33-1.55 pounds per head per day to provide not less than 15 mgs. and not more than 70 mgs. of lasalocid per head per day. Provide clean, fresh water at all times.

CAUTION

The safety of lasalocid in unapproved species has not been established; do not allow horses or other equines access to lasalocid as ingestion may be fatal; feeding undiluted or mixing errors resulting in excessive concentrations of lasalocid could be fatal to sheep.

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS) OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed?
- 2. What is the active drug ingredient?
- 3. What is the minimum crude protein level?
- 4. What is the minimum crude fat level of this diet?
- 5. Is this a medicated feed?
- 6. At what growth state of development should this ration to be fed?

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Roger High, State Sheep Extension Associate

Lamb: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

• learn how to read a feed tag.

LAMB STARTER MEDICATED

STARTER FOR GROWING LAMBS

FOR THE PREVENTION OF COCCIDIOSIS CAUSED BY Eimeria ovina, Eimenria crandallis, Eimeria ovinoidalis, Eimeria ininakohlyakimovae, Eimeria parva AND Eimeria intricata IN SHEEP MAINTAINED IN CONFINEMENT.

GIIARANTEED ANAIYSIS

UUAKANTEED	ANALISIS
CRUDE PROTEIN	MIN 20.00%
CRUDE FAT	MIN 2.50%
CRUDE FIBER	MAX 10.00%
CALCIUM	MIN 0.75%
CALCIUM	MAX 1.25%
PHOSPHORUS	MIN 0.55%
SALT	MIN 0.40%
SALT	MAX 0.90%
SELENIUM	MIN 0.30 PPM
VITAMIN A	MIN 2,000.00 IU/LB

INGREDIENT USAGE

Processed Grain By-Products, Grain Products, Plant Protein Products, Forage Products, Roughage Products, Molasses Products, Ground Limestone, Salt, Lignin Sulfonate, Potassium Sulfate, Magnesium Sulfate, Magnesium Oxide, Sodium Seleniite, Calcium Propionate, Vitamin E Supplement, Vitamin A Acetate, Vitamin D-3Supplement, Zinc Sulfate, Zinc Oxide, Sodium Molybdate, Manganous Oxide, Calcium Iodate, Cobalt Carbonate, Ferrous Sulfate.

FEEDING DIRECTIONS

LAMB STARTER MEDICATED contains 45 mgs. of lasalocid per pound. Feed continuously as the sole ration to growing lambs from 1 to 6 weeks of age at the rate of 0.33-1.55 pounds per head per day to provide not less than 15 mgs. and not more than 70 mgs. of lasalocid per head per day. Provide clean, fresh water at all times.

CAUTION

The safety of lasalocid in unapproved species has not been established; do not allow horses or other equines access to lasalocid as ingestion may be fatal; feeding undiluted or mixing errors resulting in excessive concentrations of lasalocid could be fatal to sheep.

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS) OR AS SHOWN ON SHIPPING DOCUMENT 1. What is the main ingredient in this feed? processed grain by-products

2. What is the active drug ingredient?

lasalocid

3. What is the minimum crude protein level?

20%

4. What is the minimum crude fat level of this diet?

25%

5. Is this a medicated feed?

yes

6. At what growth state of development should this ration to be fed?

1-6 weeks of age

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Roger High, State Sheep Extension Associate

2-60 Lift-Off

Pig: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

learn how to read a feed tag.

PIG GROWER MEDICATED

FOR PIGS FROM 30 POUNDS TO 75 POUNDS

ADMINISTER TO SWINE IN A COMPLETE FEED FOR REDUCTION OF THE INCIDENCE OF CERVICAL ABSCESSES; TREATMENT OF BACTERIAL SWINE ENTERITIS (SALMONELLOSIS OR NECROTIC ENTERITIS CAUSED BY Salmonella choteraesuis and Vibrionic Dysentery), MAINTENANCE OF WEIGHT GAINS IN THE PRESENCE OF ATROPHIC RHINITIS.

ACTIVE DRUG INGREDIENT

CHLORTETRACYCLINE	100 G/TON
SULFATHIAZOLE	0.011% (100 G/TON)
PENICILLIN	
1 ETTCLETT	

GUARANTEED ANALYSIS

OUNINITIED AIREIS	15
CRUDE PROTEIN	MIN 18.00%
LYSINE	MIN 1.10%
CRUDE FAT	MIN 6.50%
CRUDE FIBER	MAX 4.00%
CALCIUM	MIN 0.60%
CALCIUM	MAX 1.10%
PHOSPHORUS	
SALT	MIN 0.40%
SALT	
SELENIUM	
ZINC	

INGREDIENTS

Grain Products, Plant Protein Products, Processed Grain By-Products, Animal Fat, Animal Protein Products, Calcium Phosphate, Lignin Sulfonate, Ground Limestone, Salt, L-Lysine Monohydrochloride, Methionine Supplement, Zinc Oxide, Zinc Sulfate, Ferrous Sulfate, Manganous Oxide, Copper Sulfate, Calcium Iodate, Sodium Selenite, Vitamin A Acetate, Vitamin D-3 Supplement, Vitamin E Supplement, Menadione Dimethylpyrimidinol Bisulphite, Riboflavin Supplement, Niacin, Calcium Pantothenate, Vitamin B-12 Supplement, Thiamine Monohitrate, Folic Acid, Choline Chloride, Pyridoxine Hydrochloride, Biotin, Ethoxyquin (As A Preservative)

FEEDING DIRECTIONS

Feed as the only ration to pigs weighing from 30 pounds to 75 pounds bodyweight.

CAUTION: In order to obtain the desired performance results, the animals should be self fed.

WARNING: Withdraw 7 days prior to slaughter; contains high levels of copper; do not feed to sheep.

MANUFACTURED BY: SKILLATHON FEED

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

- 1. What is the main ingredient in this feed?
- How many active drug ingredients are in this feed?
- 3. What is the minimum crude protein level?
- 4. For how many days prior to slaughter should this feed be removed?
- 5. What is the minimum crude fat level of this diet?
- 6. Is ground limestone included in the ingredients of this diet?
- 7. At what weight range should this ration be fed?
- 8. What is the range for the calcium content of this feed?

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Steven Moeller, State Swine Extension Specialist

Pig: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

learn how to read a feed tag.

PIG GROWER MEDICATED

FOR PIGS FROM 30 POUNDS TO 75 POUNDS

ADMINISTER TO SWINE IN A COMPLETE FEED FOR REDUCTION OF THE INCIDENCE OF CERVICAL ABSCESSES; TREATMENT OF BACTERIAL SWINE ENTERITIS (SALMONELLOSIS OR NECROTIC ENTERITIS CAUSED BY Salmonella choteraesuis and Vibrionic Dysentery), Maintenance of Weight Gains in the presence of atrophic Rhinitis.

ACTIVE DRUG INGREDIENT

CHLORTETRACYCLINE	100 G/TON
SULFATHIAZOLE	
PENICILLIN	

GUARANTEED ANALYSIS

GUAKANTEED A	NALYSIS
CRUDE PROTEIN	MIN 18.00%
LYSINE	MIN 1.10%
CRUDE FAT	MIN 6.50%
CRUDE FIBER	MAX 4.00%
CALCIUM	MIN 0.60%
CALCIUM	MAX 1.10%
PHOSPHORUS	MIN 0.55%
SALT	MIN 0.40%
SALT	MAX 0.90%
SELENIUM	MIN 0.30 PPM
ZINC	MIN 140.00 PPM

INGREDIENTS

Grain Products, Plant Protein Products, Processed Grain By-Products, Animal Fat, Animal Protein Products, Calcium Phosphate, Lignin Sulfonate, Ground Limestone, Salt, L-Lysine Monohydrochloride, Methionine Supplement, Zinc Oxide, Zinc Sulfate, Ferrous Sulfate, Manganous Oxide, Copper Sulfate, Calcium Iodate, Sodium Selenite, Vitamin A Acetate, Vitamin D-3 Supplement, Vitamin E Supplement, Menadione Dimethylpyrimidinol Bisulphite, Riboflavin Supplement, Niacin, Calcium Pantothenate, Vitamin B-12 Supplement, Thiamine Monohitrate, Folic Acid, Choline Chloride, Pyridoxine Hydrochloride, Biotin, Ethoxyquin (As A Preservative)

FEEDING DIRECTIONS

Feed as the only ration to pigs weighing from 30 pounds to 75 pounds bodyweight.

CAUTION: In order to obtain the desired performance results, the animals should be self fed.

WARNING: Withdraw 7 days prior to slaughter; contains high levels of copper; do not feed to sheep.

MANUFACTURED BY: SKILLATHON FEED

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

- What is the main ingredient in this feed?
 grain products
- 2. How many active drug ingredients are in this feed? **3**
- 3. What is the minimum crude protein level?
- 4. For how many days prior to slaughter should this feed be removed?

7

- 5. What is the minimum crude fat level of this diet?

 65%
- 6. Is ground limestone included in the ingredients of this diet?

yes

- At what weight range should this ration be fed?
 pigs weighing between 30 and 75 pounds
- 8. What is the range for the calcium content of this feed? **060%—1.10%**

Adapted from materials created by Dan Frobose, Agr. & Nat. Res. Agent, Wood County
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Steven Moeller, State Swine Extension Specialist

2-62 Lift-Off

Broiler: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

BROILER STARTER MEDICATED

COMPLETE FEED FOR STARTING BROILERS

FOR USE AS AN AID IN THE PREVENTION OF COCCIDIOSIS IN POULTRY FLOCKS; GROWTH PROMOTION AND FEED EFFICIENCY. AND IMPROVING PIGMENTATION.

ACTIVE DRUG INGREDIENT

NICARBAZIN 0.0125%

BACITRACIN METHYLENE DISALICYLATE 50 G/TON

ROXARSONE 0.005%) 45.4 G/TON

GUARANTEED ANALYSIS

CRUDE PROTEIN MIN 22.00%

LYSINE MIN 1.13% METHIONINE MIN 0.54%

CRUDE FAT MIN 3.00%

CRUDE FIBER MAX 5.00%

CALCIUM MIN 0.75% CALCIUM MAX 1.25%

PHOSPHORUS MIN 0.60%

SALT MIN 0.30% SALT MAX 0.80%

INGREDIENTS

GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ANIMAL PROTEIN PRODUCTS, HYDROLYZED ANIMAL AND VEGETABLE FAT, CALCIUM PHOSPHATE, GROUND LIMESTONE, SALT, METHIONINE SUPPLEMENT, PROPIONIC ACID (ADDED TO RETARD MOLD GROWTH), VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULPHITE, CHOLINE CHLORIDE, RIBOFLAVIN SUPPLEMENT, CALCIUM PANTOTHENATE, NIACIN, VITAMIN B-12 SUPPLEMENT, PYRIDOXINE HYDROCHLORIDE, THIAMINE MONONITRATE, FOLIC ACID, BIOTIN, ZINC OXIDE, MANGANOUS OXIDE. MANGENESE SULFATE. FERROUS SULFATE. COBALT CARBONATE. CALCIUM IODATE. SODIUM SELENITE.

FEEDING DIRECTIONS

FOR BROILERS AND FRYER CHICKENS ONLY, FEED CONTINUOUSLY AS THE SOLE RATION.

SEE BACK OF TAG FOR WARNING

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS) OR AS SHOWN ON SHIPPING DOCUMENT

WARNING

DO NOT FEED TO LAYING HENS. WITHDRAW 5 DAYS BEFORE SLAUGHTER. USE AS THE SOLE SOURCE OF ORGANIC ARSENIC. FEED CONTINUOUSLY AS THE SOLE RATION FROM TIME CHICKS ARE PLACED ON LITTER UNTIL PAST THE TIME WHEN COCCIDIOSIS IS ORDINARILY A HAZARD; DO NOT USE AS A TREATMENT FOR COCCIDIOSIS; DO NOT USE IN FLUSHING MASHES.

DO NOT FEED TO CATTLE OR OTHER RUMINANTS.

Decision-Making In this activity you will:

- learn how to read a feed tag.
- 1. What is the main ingredient in this broiler ration?
- 2. What is the minimum crude protein level of this broiler starter ration?
- 3. For how many days prior to slaughter should this feed be removed?
- 4. How many pounds of ingredients are included in this bag?
- 5. Should this diet be fed to laying hens?
- 6. What is the minimum crude fat level of this diet?

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine

Broiler: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

BROILER STARTER MEDICATED

COMPLETE FEED FOR STARTING BROILERS

FOR USE AS AN AID IN THE PREVENTION OF COCCIDIOSIS IN POULTRY FLOCKS; GROWTH PROMOTION AND FEED EFFICIENCY. AND IMPROVING PIGMENTATION.

ACTIVE DRUG INGREDIENT

NICARBAZIN 0.0125%

BACITRACIN METHYLENE DISALICYLATE 50 G/TON

ROXARSONE 0.005%) 45.4 G/TON

GUARANTEED ANALYSIS

CRUDE PROTEIN MIN 22.00%

LYSINE MIN 1.13%

METHIONINE MIN 0.54%

CRUDE FAT MIN 3.00%

CRUDE FIBER MAX 5.00%

CALCIUM MIN 0.75%

CALCIUM MAX 1.25%

PHOSPHORUS MIN 0.60%

SALT MIN 0.30% SALT MAX 0.80%

INGREDIENTS

GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ANIMAL PROTEIN PRODUCTS, HYDROLYZED ANIMAL AND VEGETABLE FAT, CALCIUM PHOSPHATE, GROUND LIMESTONE, SALT, METHIONINE SUPPLEMENT, PROPIONIC ACID (ADDED TO RETARD MOLD GROWTH), VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULPHITE, CHOLINE CHLORIDE, RIBOFLAVIN SUPPLEMENT, CALCIUM PANTOTHENATE, NIACIN, VITAMIN B-12 SUPPLEMENT, PYRIDOXINE HYDROCHLORIDE, THIAMINE MONONITRATE, FOLIC ACID, BIOTIN, ZINC OXIDE, MANGANOUS OXIDE. MANGENESE SULFATE. FERROUS SULFATE. COBALT CARBONATE. CALCIUM IODATE. SODIUM SELENITE.

FEEDING DIRECTIONS

FOR BROILERS AND FRYER CHICKENS ONLY, FEED CONTINUOUSLY AS THE SOLE RATION.

SEE BACK OF TAG FOR WARNING

MANUFACTURED BY: SKILLATHON FEEDS

NET WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

WARNING

DO NOT FEED TO LAYING HENS. WITHDRAW 5 DAYS BEFORE SLAUGHTER. USE AS THE SOLE SOURCE OF ORGANIC ARSENIC. FEED CONTINUOUSLY AS THE SOLE RATION FROM TIME CHICKS ARE PLACED ON LITTER UNTIL PAST THE TIME WHEN COCCIDIOSIS IS ORDINARILY A HAZARD; DO NOT USE AS A TREATMENT FOR COCCIDIOSIS; DO NOT USE IN FLUSHING MASHES.

DO NOT FEED TO CATTLE OR OTHER RUMINANTS.

Decision-Making—Key In this activity you will:

- learn how to read a feed tag.
- 1. What is the main ingredient in this broiler ration?

grain products

2. What is the minimum crude protein level of this broiler starter ration?

22%

3. For how many days prior to slaughter should this feed be removed?

5

4. How many pounds of ingredients are included in this bag?

50

- 5. Should this diet be fed to laying hens? no, because the medication will end up in the eggs
- 6. What is the minimum crude fat level of this diet?

3%

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine

2-64 Lift-Off

Turkey: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

learn how to read a feed tag.

TURKEY PRESTARTER MEDICATED

COMPLETE FEED FOR POULTS

For the prevention of coccidiosis in growing turkeys caused by *Eimeria* adenoeides, *Eimeria meleagrimitis* and *Eimeria gallapavonis*.

ACTIVE INGREDIENTS

GUARANTEED ANALYSIS

00	
CRUDE PROTEIN	MIN 26.00%
LYSINE	MIN 1.55%
METHIONINE	MIN 0.60%
CRUDE FAT	MIN 2.00%
CRUDE FIBER	MAX 5.00%
CALCIUM	MIN 1.15%
CALCIUM	MAX 1.65%
PHOSPHORUS	MIN 0.90%
SALT	MIN 0.15%
SALT	

INGREDIENTS

GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ANIMAL PROTEIN PRODUCTS, CALCIUM PHOSPHATE, ANIMAL FAT, GROUND LIMESTONE, METHIONINE SUPPLEMENT, L-LYSINE MONOHYDROCHLORIDE, CALCIUM PROPIONATE, SALT CHOLINE CHLORIDE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, MANGANESE SULFATE, FERROUS SULFATE, CALCIUM IODATE, SODIUM SELENITE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULPHITE, NIACIN, CALCIUM PANTOTHENATE, RIBOFLAVIN SUPPLEMENT, VITAMIN B-12 SUPPLEMENT, BIOTIN, FOLIC ACID, THIAMINE MONONITRATE, RYRIDOXINE HYDROCHLORIDE.

FEEDING DIRECTIONS

Feed as the only ration to starting poults from 1 day to 21 days of age. Refer to current feeding schedules for feeding according to body weight or consumption.

WARNING

Feed continuously as sole ration. Withdraw 7 days before slaughter.

MANUFACTURED BY: SKILLATHON FEEDS

- 1. What is the main ingredient in this feed?
- 2. What is the active drug ingredient?
- 3. What is the minimum crude protein level?
- 4. For how many days prior to slaughter should this feed be removed?
- 5. What is the minimum crude fat level of this diet?
- 6. Is ground limestone included in the ingredients of this diet?
- 7. This ration should be fed to turkey poults of what age?

Turkey: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

• learn how to read a feed tag.

TURKEY PRESTARTER MEDICATED

COMPLETE FEED FOR POULTS

For the prevention of coccidiosis in growing turkeys caused by *Eimeria* adenoeides, *Eimeria meleagrimitis* and *Eimeria gallapavonis*.

ACTIVE INGREDIENTS

GUARANTEED ANALYSIS

OOTHER THE PERSON	
CRUDE PROTEIN	MIN 26.00%
LYSINE	MIN 1.55%
METHIONINE	MIN 0.60%
CRUDE FAT	MIN 2.00%
CRUDE FIBER	MAX 5.00%
CALCIUM	MIN 1.15%
CALCIUM	MAX 1.65%
PHOSPHORUS	MIN 0.90%
SALT	MIN 0.15%
SALT	MAX 0.65%

INGREDIENTS

GRAIN PRODUCTS, PLANT PROTEIN PRODUCTS, ANIMAL PROTEIN PRODUCTS, CALCIUM PHOSPHATE, ANIMAL FAT, GROUND LIMESTONE, METHIONINE SUPPLEMENT, L-LYSINE MONOHYDROCHLORIDE, CALCIUM PROPIONATE, SALT CHOLINE CHLORIDE, ZINC OXIDE, COPPER SULFATE, MANGANOUS OXIDE, MANGANESE SULFATE, FERROUS SULFATE, CALCIUM IODATE, SODIUM SELENITE, VITAMIN A ACETATE, VITAMIN D-3 SUPPLEMENT, VITAMIN E SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULPHITE, NIACIN, CALCIUM PANTOTHENATE, RIBOFLAVIN SUPPLEMENT, VITAMIN B-12 SUPPLEMENT, BIOTIN, FOLIC ACID, THIAMINE MONONITRATE, RYRIDOXINE HYDROCHLORIDE.

FEEDING DIRECTIONS

Feed as the only ration to starting poults from 1 day to 21 days of age. Refer to current feeding schedules for feeding according to body weight or consumption.

WARNING

Feed continuously as sole ration. Withdraw 7 days before slaughter.

MANUFACTURED BY: SKILLATHON FEEDS

- 1. What is the main ingredient in this feed? **grain products**
- 2. What is the active drug ingredient? **halofuginone hydrobromide**
- 3. What is the minimum crude protein level?
- 4. For how many days prior to slaughter should this feed be removed?

7

- 5. What is the minimum crude fat level of this diet?
- 6. Is ground limestone included in the ingredients of this diet? **yes**
- 7. This ration should be fed to turkey poults of what age?

 from 1 day to 21 days

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine

2-66 Lift-Off

LivestockRabbit: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making In this activity you will:

learn how to read a feed tag.

RABBIT PELLETS MEDICATED

For the prevention of coccidiosis caused by *Eimeria stiedae*.

ACTIVE INGREDIENT

GUARANTEED ANALYSIS

OUNIMITELD MINEL	313
CRUDE PROTEIN	MIN 16.00%
CRUDE FAT	MIN 3.00%
CRUDE FIBER	MIN 13.0%
CRUDE FIBER	MAX 18.00%
CALCIUM	MIN .75%
CALCIUM	MAX 1.25%
PHOSPHORUS	MIN 0.5%
SALT	MIN .30%
SALT	MAX .80%
VITAMIN A	4,000.0 IU/LB

INGREDIENTS

DEHYDRATED ALFALFA MEAL, WHEAT MIDDLINGS, DRIED DISTILLERS GRAINS WITH SOLUBLES, CANE MOLASSES, ANIMAL FAT (PRESERVED WITH BHAANDBHT), DICALCIUM PHOSPHATE, CALCIUM CARBONATE, SOYBEAN MEAL, SALT, VITAMIN A ACETATE IN GELATIN, VITAMIN D3 SUPPLEMENT, VITAMIN E SUPPLEMENT, RIBOFLAVIN SUPPLEMENT, D-CALCIUM PANTOTHENATE, NIACIN SUPPLEMENT, VITAMIN B12 SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULFITE (SOURCE OF VITAMIN K ACTIVITY), CHOLINE CHLORIDE, FOLIC ACID, B-BIOTIN, ZINC OXIDE, FERROUS SULFATE, MANGOUS OXIDE, COPPER OXIDE, ETHYLENE DIAMINE DIHYDRIDIDE. COBALT CARBONATE. AND SODIUM SELENITE.

USE DIRECTIONS

Feed continuously to young rabbits as sole ration up to $6\ 1/2$ weeks of age.

CAUTION

The safety of lasalocid in unapproved species has not been established.

MANUFACTURED BY: SKILLATHON FEED

NEW WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

Net Weight 20 lbs. (9.7 Kg.)

- 1. What is the main ingredient in this feed?
- 2. What is the active drug ingredient?
- 3. What is the minimum crude protein level?
- 4. Does this feed require withholding before slaughter?
- 5. What is the minimum crude fat level of this diet?
- 6. Is calcium carbonate included in the ingredients of this diet?
- 7. To what age should this ration be fed?

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine, and Jodi Black, State 4-H Animal Sciences Extension Associate

Rabbit: How to Read a Feed Tag

Use the feed tag below to answer the following questions.

Decision-Making—Key In this activity you will:

• learn how to read a feed tag.

RABBIT PELLETS MEDICATED

For the prevention of coccidiosis caused by *Eimeria stiedae*.

ACTIVE INGREDIENT

GIIARANTEEN ANALYSIS

GUARANTEED F	ANALISIS
CRUDE PROTEIN	MIN 16.00%
CRUDE FAT	MIN 3.00%
CRUDE FIBER	MIN 13.0%
CRUDE FIBER	MAX 18.00%
CALCIUM	MIN .75%
CALCIUM	MAX 1.25%
PHOSPHORUS	MIN 0.5%
SALT	MIN .30%
SALT	MAX .80%
VITAMIN A	4.000.0 IU/LB

INGREDIENTS

DEHYDRATED ALFALFA MEAL, WHEAT MIDDLINGS, DRIED DISTILLERS GRAINS WITH SOLUBLES, CANE MOLASSES, ANIMAL FAT (PRESERVED WITH BHAANDBHT), DICALCIUM PHOSPHATE, CALCIUM CARBONATE, SOYBEAN MEAL, SALT, VITAMIN A ACETATE IN GELATIN, VITAMIN D3 SUPPLEMENT, VITAMIN E SUPPLEMENT, RIBOFLAVIN SUPPLEMENT, D-CALCIUM PANTOTHENATE, NIACIN SUPPLEMENT, VITAMIN B12 SUPPLEMENT, MENADIONE DIMETHYLPYRIMIDINOL BISULFITE (SOURCE OF VITAMIN K ACTIVITY), CHOLINE CHLORIDE, FOLIC ACID, B-BIOTIN, ZINC OXIDE, FERROUS SULFATE, MANGOUS OXIDE, COPPER OXIDE, ETHYLENE DIAMINE DIHYDRIDIDE. COBALT CARBONATE. AND SODIUM SELENITE.

USE DIRECTIONS

Feed continuously to young rabbits as sole ration up to $6\ 1/2$ weeks of age.

CALITION

The safety of lasalocid in unapproved species has not been established.

MANUFACTURED BY: SKILLATHON FEED

NEW WEIGHT 50 POUNDS (22.7 KILOGRAMS)
OR AS SHOWN ON SHIPPING DOCUMENT

Net Weight 20 lbs. (9.7 Kg.)

- What is the main ingredient in this feed?
 dehydrated alfalfa meal
- 2. What is the active drug ingredient? **lasalocid**
- 3. What is the minimum crude protein level?
- 4. Does this feed require withholding before slaughter?
- 5. What is the minimum crude fat level of this diet?
- 6. Is calcium carbonate included in the ingredients of this diet?
 yes
- 7. To what age should this ration be fed? **up to 6 1/2 weeks of age**

Prepared by Drs. Gary Bowman and Bill Shulaw, Extension Specialists, Veterinary Medicine, and Jodi Black, State 4-H Animal Sciences Extension Associate

2–68 Lift-Off

LivestockBeef Word Search

Circle the beef words listed in the puzzle below.

Wholesale Cuts round	Beef Types steer	Grading prime	<i>Color</i> black
loin	heifer	choice	white
flank	COW	select	gray
rib	calf	standard	red
plate		commercial	cream
chuck		utility	roan
shank		cutter	
brisket		canner	

C	0	M	M	E	R	C		A	L	X	В	K
A	Н	S	D	T	S	U	T		L		T	Υ
N	A	0	R	٧	S	T	E	E	R	Ĺ	M	Α
N	E	Ţ		Н	W	T	A	Н	J	A	N	R
E		D	Z	C	C	E	Н	N	E	R	E	G
R	E	0	J	E	E	R	G	R	D	Q	M	P
R	C	Υ	L	C	Н	U	C	K	E	A		M
E	W	E	В	R		S	K	E	T	G	R	C
F	S	K	L	0	F	Н	F	L	A	C	P	D
1	Q	S	A	U	Ţ	A	R	P	L	M	0	D
E	Z	J	C	N	Υ	N	٧	W	P	χ	F	W
Н	(D	K	D	χ	K	N	Α	L	F	Н	L

Word Search

In this activity you will:

learn words and associate them with particular groups.

Reference: Beef Learning Laboratory Kit and the Beef, Sheep and Swine Evaluation and Selection Book Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockBeef Word Search

Circle the beef words listed in the puzzle below.

Wholesale Cuts round	Beef Types steer	<i>Grading</i> prime	<i>Color</i> black
loin	heifer	choice	white
flank	COW	select	gray
rib	calf	standard	red
plate		commercial	cream
chuck		utility	roan
shank		cutter	
brisket		canner	

Word Search—Key In this activity you will:

• learn words and associate them with particular groups.

()	0	M	M	Е	R	(A		χ/	B	K
A	H	S	D	T	(5)	U	Ţ	l	L	/ /	T	Y
N	A	0	R	V	S	T	E	E	R	/L/	\widehat{M}	A
N	E	T	1	H	W	T	A	H	J_	A	N	R
E		(D)	Z	C	$\langle c \rangle$	E	H	N	$\langle E \rangle$	R	E	G
R	E	$\langle 0 \rangle$	J	É	E	R	G	R	D	Q	M	P
R	(Y		(Н	U	()	K	$\left \widehat{E} \right $	A	I	M
E	W	/E/	B	R		S	K	Е	T	G	R)
F	S	K		0	F	Н	F	L	A	()	P	<u>D</u>
	Q	S	A	U	T	A	R	P	L	W	0	D
E	Z	J	C	N	Υ	N	٧	W	P	Χ	F	W
H	C	D	K	D	χ (K	N	A	L	F	Н	L

Reference: Beef Learning Laboratory Kit and the Beef, Sheep and Swine Evaluation and Selection Book Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

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LivestockGoat Word Search

Circle the goat words listed in the puzzle below.

Wholesale Cuts shoulder	<i>Color</i> black	brown	Goat Types doe
rack	gray	reddish brown	buck
loin	cream	fawn	kids
leg	white	chocolate	dairy
fore shank	tan	lavender	meat
breast			harness

R	E	D	D	I	S	Н	В	R	0	W	N	C
M	T	В	J	0	Н	J	Q	G	C	D	W	χ
W	A	F	R	L	E	R	Υ	A	R	G	0	K
P	Ĺ	A	V	E	N	D	E	R	E	Н	R	R
Ţ	0	W	K	D	A	F	K	C	A	Ĺ	В	T
Z	C	N	N	P	S	S	L	G	M	J	F	χ
C	0	V	Q	Z	N	E	T	1	Н	W	S	Н
S	Н	0	U	L	D	E	R	A	G	M	J	L
Υ	C	A	Υ	D	V	D	F	M	N	P	V	Q
W	F	0	R	E	S	Н	A	N	K	K	В	Υ
C	L	0	1	N	M	C	K	1	D	S	U	N
T	R	E	S	D	E	Н	W	Z	R	A	C	K
F	S	G	G	R	A	S	T	N	K	Υ	K	χ
I	V	(Н	G	T	F	ς	D	Р	()	M	I

Word Search

In this activity you will:

learn words and associate them with particular groups.

References: Goat Learning Laboratory Kit and the 4-H Goat Manual Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockGoat Word Search

Circle the goat words listed in the puzzle below.

Wholesale Cuts shoulder	<i>Color</i> black	brown	Goat Types doe
rack	gray	reddish brown	buck
loin	cream	fawn	kids
leg	white	chocolate	dairy
fore shank	tan	lavender	meat
breast			harness

R	E	D	(D)	I	S	Н	В	R	0	W		C
M	T	B	J	0	H	J	Q	G	()	D	W	X
W	A	F	R	L	E	R	Y	Α	R	G	0	K
P		Α	V	E	N	D	E	R	E	Н	R	R
T	0	W	K	D	A	F	K	C	Α	L	B	T
Z	C	N	N	P	S	S	L	G	M	J	F	Χ
(0	V	Q	Z	N	E	1	1	H	\mathbb{W}	S	Н
5	H	0	U	L	D	E	R	A	G	M	J	L
Υ	\overline{C}	A	Y	D	V	(D)	F	W		P	V	Q
W	F	0	R	E	S	H	A	N	K	K	В	Υ
(0	1	N	M	C	K	1	D	5	U	N
Ţ	R	E	S	D	E	H	W	Z	R	A	C	K
F	S	G	G	R	A	S	Ţ	N	K	Y	K	Χ
L	٧	C	Н	G	1	F	S	D	P	Q	M	J

Word Search—Key

In this activity you will:

• learn words and associate them with particular groups.

References: Goat Learning Laboratory Kit and the 4-H Goat Manual Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockSheep Word Search

Circle the sheep words listed in the puzzle below.

<i>Wholesale Cuts</i> _{leg}	Sheep Types breeding	Mouth Structure parrot	<i>Grading</i> prime
loin	market	monkey	choice
rack	ewe		good
shoulder	ram		utility
breast	lamb		cull
foreshank			

Word Search

In this activity you will:

learn words and associate them with particular groups.

D	P	M	В	Z	C	S	M	Q	P	Q	F
R	F	0	R	E	S	Н	A	N	K	S	C
L	N	Υ	E	J	K	0	R	Н	N	Υ	J
K	L	T	E	W	W	U	K	D	D	T	S
R	X	0	D	V	E	L	E	0	G		C
M	Υ	R		Υ	F	D	T	0	Н	L	Н
L	E	R	N	N	χ	E	T	G	Z	1	M
D	K	A	G	F	В	R	E	A	S	T	P
Υ	N	P	W	C	U	L	L	M	G	U	J
C	0	V	Z	X	N	L	A	V	T	Q	G
T	M	F	K	C	A	R	E	M	1	R	P
Н	G	C	Н	0		C	E	W	В	S	K

References: Sheep Learning Laboratory Kit; 4-H Beef, Sheep and Swine Evaluation and Selection Book; 4-H Sheep Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockSheep Word Search

Circle the sheep words listed in the puzzle below.

foreshank

Sheep Types breeding	Mouth Structure parrot	Grading prime
market	monkey	choice
ewe		good
ram		utility
lamb		cull
	breeding market ewe ram	breeding parrot market monkey ewe ram

Word Search—Key	
In this activity you will:	

learn words and associate them with particular groups.

D	P	M	B	Z	C	S	\widehat{M}	Q	P	Q	F
R	F	0	R	E	S	Н	A	N	K	S	(
L	N	Υ	E	J	K	0	R	Н	N	Y	J
K		$\sqrt{1}$	E	W	W	U	K	\bigcirc	D	Т	S
R	X	0	D	\ \	E	L	E	0	G		C
M	Y	R		ү	F	D		0	Н	L	Н
L	E	R	N	N	χ	Ε	T	G	Z		M
D	K	A	G	F	B	R	/E/	A	S		P
Υ	N	P	W		U			M	G	U	J
C	0	٧	Z	χ	N		\times A \rangle	(V	Ţ	Q	G
T	W	F	K	(A	R	E	W		R	P
Н	G	(Н	0		(E) W	B	S	K

References: Sheep Learning Laboratory Kit; 4-H Beef, Sheep and Swine Evaluation and Selection Book; 4-H Sheep Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

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LivestockSwine Word Search

Circle the swine words listed in the puzzle below.

Wholesale Cuts		Med	Meat Cuts		vine Typ	oes	Grad	Grading			
Boston butt bacon		n	bre	eding		accept					
picnio	C		chop	S	ma	rket		unacce	unacceptable		
loin			ribs		gilt			Coloi	S		
side					boo	ar		white			
ham					bar	row		black			
					SOV	V		red			
	U	C	P	L	Н	D	K	R	F	В	
	N	M		T	C	J	Z		T	R	
	A	C	C	E	P	Ţ	A	В	L	E	
	C	Н	N	K	В	χ	M	S	1	K	
	C	0		R	W	Α	Υ	D	G	C	
	E	P	C	Α	Н	P	R	G	G	Α	
	P	S	N	M	M	В	Н	R	W	L	
	T	T	U	В	N	0	Ţ	S	0	В	
	A	P	Q	L	V	Α	J	F	S	W	
	В	Α	C	0	N	R	Q	K	V	S	
	L	E	T	l	Н	W	E	S	1	N	
	E	R	Ţ	N	T	W	Υ	D	C	L	
	S	В	G	N	l	D	E	E	R	В	

Word Search

In this activity you will:

 learn words and associate them with particular groups.

References: 4-H Beef, Sheep and Swine Evaluation and Selection Book; 4-H Swine Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

LivestockSwine Word Search

Circle the swine words listed in the puzzle below.

Wholesale Cuts Boston butt	<i>Meat Cuts</i> bacon	<i>Swine Types</i> breeding	<i>Grading</i> acceptable
picnic	chops	market	unacceptable
loin	ribs	gilt	Colors
side		boar	white
ham		barrow	black
		SOW	red

Word Search—Key

In this activity you will:

 learn words and associate them with particular groups.

U	C	\overline{P}	L	Н	D	K	\widehat{R}	F	В
N	M	1	\widehat{T}	C	J	Z		\bigcap	R
A	C	С	E	P	T	Α	В	L	E
C	Н	N	K	B	X	M	S		K
C	0		R	W	A	Y	D	G	C
E	P	$\left[C \right]$	A	H	P	R	G	G	A
P	S	N	W	M	B	Н	R	\mathbb{W}	L
T	T	U	В	N	0	T	S	0	B
A	P	Q		V	A	J	F	S	W
B	A	C	0	\mathbb{N}	R	Q	K	٧/	5
	E	T		Н	W	E	S/	/ /	N
E	R	T	N	Ţ	W	γ	D	(L
S	В	G	N		D	E	E	R	B

References: 4-H Beef, Sheep and Swine Evaluation and Selection Book; 4-H Swine Resource Handbook Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

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