

LIVESTOCK ID Study Material



CONTEST SECTIONS

1. **Livestock Breed Identification:** (40 points) Identify from photographs 20 livestock (beef cattle, swine, sheep, and goat) breeds.
 - a. **Junior Breed ID:** (20 points) Juniors will only identify 10 livestock breeds.
2. **Livestock Equipment Identification:** (40 points) Identify the proper name for 20 pieces of equipment used in livestock production. (A list of equipment will be provided.)
 - a. **Junior Equipment ID:** (20 points) Juniors will only identify 10 pieces of equipment.
3. **Retail Meat Cut Identification:** (40 points) Identify 10 beef, lamb, and/or pork retail cuts from the National 4-H Meat Judging Retail ID List. Contestants will identify the cut by species, primal cut, and retail cut name. One point will be awarded for correct species, one point will be awarded for correct primal cut, and two points will be awarded for correct retail cut.
 - a. **Junior Retail Meat Cut ID:** (20 points) Juniors will only identify species and retail cut name for the 10 cuts.
4. **Livestock Feed Identification:** (30 points) Identify the proper name for 15 livestock feeds.
 - a. **Junior Feed ID:** (20 points) Juniors will only identify 10 feeds.
5. **Livestock Plants Identification:** (30 points) Identify the common name for 15 plants. This will include common Arkansas forages and forbs and be a multiple choice format.
 - a. **Junior Plant ID:** (20 points) Juniors will only identify 10 plants.
6. **Quiz:** (60 points) Complete a 30-question multiple choice quiz concerning the primary livestock industries (cattle, swine, sheep, goats). This portion will include identifying components of a drug label and common livestock vocabulary.
 - a. **Junior Quiz:** (40 points) Juniors will have a simplified 20-question quiz.

Total possible points for senior 4-H'ers: **240 points**

Total possible points for junior 4-H'ers (District only): **140 points**

Scantron: <https://www.judgingcard.com/ScanSheets/samples/UnivD-VA-Skillathon.pdf>

Livestock Breed Identification List

The list below includes potential breeds of livestock to be used in the contest.

Beef Cattle

- Angus
- Beefmaster
- Belgian Blue
- Braford
- Brahman
- Brangus
- Charolais
- Chianina
- Dexter
- Gelbvieh
- Hereford
- Limousin
- Maine Anjou
- Piedmontese
- Pinzgauer
- Red Angus
- Salers
- Santa Gertrudis
- Shorthorn
- Simmental
- Wagyu
- White Park

Sheep Breeds

- Barbados Blackbelly
- Border Leicester
- Cheviot
- Columbia
- Corriedale
- Dorper
- Dorset
- Finnsheep
- Hampshire
- Katahdin
- Lincoln
- Merino
- Montadale
- Oxford
- Rambouillet
- Romney
- Shropshire
- Southdown
- Suffolk
- Texel
- Tunis
- Valais Blacknose

Goat Breeds

- Alpine
- Angora
- Cashmere
- Boer
- Kiko
- LaMancha
- Myotonic
- Nigerian Dwarf
- Nubian
- Pygmy
- Saanen
- Savanna
- Spanish
- Toggenburg

Swine Breeds

- Berkshire
- Chester White
- Duroc
- Hampshire
- Hereford
- Landrace
- Mangalita
- Meishan
- Mulefoot
- Pietrain
- Poland China
- Red Wattle
- Spot
- Tamworth
- Yorkshire

Additional Resources:

Oklahoma State University Livestock Breed Pictures and Descriptions:

<https://breeds.okstate.edu/>

Livestock Equipment Identification List

The list below includes **potential** pieces of equipment to be used in the contest.

- Cattle Clippers
- Balling Gun
- Branding Iron
- Buhner Needle
- Implant Gun
- OB Chain & Handle
- OB Snare
- AI Gun
- Barnes Dehorner
- Electric Dehorner/Disbudder
- Tube Dehorner
- Scrotal Circumference Tape
- Ear Notcher
- Nose Lead
- Electric Fence Tester
- Drench Gun
- Hoof Trimmers
- Elastrator
- Elastrator Ring/Band
- Burdizzo
- California Castration Bander
- Ear Tag Pliers
- Ear Tags
- Electronic ID Tag
- Hog Snare
- Marking Harness
- Pig Tooth Nippers
- Hog Ring Pliers
- Nipple Waterer
- Scotch Comb
- Sorting Paddle
- Sorting Boards
- Tattoo Pliers & Tattoo Numbers
- Multi-Dose Syringe
- Ewe Prolapse Retainer/Ewe Spoon
- Disposable Syringes
- Emasculator
- Lamb Feeding Tube
- Wool Card
- Heat Detection Patch
- Beef Cattle Frame Stick
- Show Stick
- Straw Cutter
- Hoof Block
- Teat Canula
- Electronic Identification Reader
- CIDR (Cattle & Sheep)
- CIDR Applicator
- Ear Tag Remover
- AI Sheath
- Semen Straw
- Semen Bottle
- Weigh Tape
- Pelvimeter
- Rectal Ring
- Rope Halter
- Scalpel
- Hay Probe
- Vacutainer Blood Tube
- Hanging Vaccine Holder
- Meat Hook
- Node Hook
- Calf Weaning Nose Clip
- Trocar
- Chin-Ball Marker
- Goat Blanket
- Livestock Chalk
- Vet Wrap
- Rice Root Brush
- Ink Tag Marker
- Hand Shears
- Soil Probe
- Rumen Magnet
- Transfer Needle

Additional Resources:

University of Kentucky Equipment Identification Pictures

<http://afs.ca.uky.edu/livestock/feedstuff-equipment/livestock-equipment-identification>

Feed Identification List

The list below includes **potential** feeds to be used in the contest.

- Rice Bran
- Distillers Dried Grains
- Cottonseed Meal
- Cracked/Chopped Corn
- Limestone
- Gin Trash
- Cottonseed Hulls
- Soybean Meal
- Soybeans
- Trace Mineralized Salt
- Wheat
- White Salt
- Whole Corn
- Molasses
- Grain Sorghum (Milo)
- Hominy
- Wheat Midds (Middlings)
- Oats (Crimped)
- Oats
- Rice (Rough Rice)
- Cottonseed
- Alfalfa Pellets
- Dicalcium Phosphate
- Fish Meal
- Corn Gluten Meal
- Ground Corn
- Dried Brewer's Grains
- Poultry Litter
- Beet Pulp
- Barley
- Blood Meal
- Bone Meal
- Soybean Hulls
- Urea

Additional Resources:

UADA Feed Kit

University of Kentucky Livestock Discovery - Feedstuffs

<https://afs.ca.uky.edu/livestock/test/feedstuffs>

Arkansas 4-H Skillathon

Retail Meat Cut Identification

Total Score: _____

Species		
B Beef	P Pork	L Lamb

Primal Cuts	
A Breast	H Rib or Rack
B Brisket	I Round
C Chuck	J Shoulder
D Flank	K Side (Belly)
E Ham or Leg	L Spareribs
F Loin	M Variety Meats
G Plate	N Various Meats

Retail Cuts	
Roasts/Pot Roasts	Chops
1 American Style	65 Arm Chop
2 Arm Picnic	66 Blade Chop
3 Arm Roast	67 Blade Chop (Bnls)
4 Arm Roast (Bnls)	68 Butterflied Chop (Bnls)
5 Back Ribs	69 Country Style Ribs
6 Blade Roast	70 Loin Chop
7 Blade Boston	71 Rib Chop
8 Bottom Round Roast (Bnls)	72 Rib Chop (Frenched)
9 Bottom Round Rump Roast (Bnls)	73 Sirloin Chop
10 Brisket, Whole (Bnls)	74 Top Loin Chop
11 Center Loin Roast	75 Top Loin Chop (Bnls)
12 Center Rib Roast	
13 Eye Roast (Bnls)	Variety Meats
14 Eye Round Roast	76 Heart
15 Flat Half (Bnls)	77 Kidney
16 Frenched Style	78 Liver
17 Fresh Side	79 Oxtail
18 Leg Roast (Bnls)	80 Tongue
19 Loin Roast	81 Tripe
20 Mock Tender Roast	
21 Petite Tender	Various Meats
22 Rib Roast	82 Beef for Stew
23 Rib Roast (Frenched)	83 Cubed Steak
24 Ribs (Denver Style)	84 Ground Beef
25 Rump Portion	85 Ground Pork
26 Seven (7) Bone Roast	86 Hocks
27 Shank Portion	87 Sausage Link/Pattie
28 Short Ribs	88 Shank
29 Shoulder Roast (Bnls)	
30 Sirloin Roast	Smoked/Cured
31 Sirloin Half	89 Brisket, Corned
32 Spareribs	90 Center Slice
33 Square Cut (Whole)	91 Ham (Bnls)
34 Tenderloin (Whole)	92 Hocks
35 Tip Roast (Bnls)	93 Loin Chop
36 Tip, Cap Off Roast	94 Picnic (Whole)
37 Top Loin Roast (Bnls)	95 Rib Chop
38 Top Roast (Bnls)	96 Rump Portion
39 Top Round Roast	97 Shank Portion
40 Tri-Tip Roast	98 Slab Bacon
	99 Sliced Bacon

- Steaks**
- 41 Arm Steak
 - 42 Blade Steak
 - 43 Bottom Round Steak
 - 44 Center Slice
 - 45 Eye Steak (Bnls)
 - 46 Eye Round Steak
 - 47 Flank Steak
 - 48 Mock Tender Steak
 - 49 Porterhouse Steak
 - 50 Ribeye, Lip-On Steak
 - 51 Round Steak
 - 52 Round Steak (Bnls)
 - 53 Sirloin Cutlets
 - 54 Skirt Steak (Bnls)
 - 55 T-Bone Steak
 - 56 Tenderloin Steak
 - 57 Tip, Cap Off Steak
 - 58 Top Blade (Bnls) Flat Iron Steak
 - 59 Top Loin Steak
 - 60 Top Loin (Bnls) Steak
 - 61 Top Round Steak
 - 62 Top Sirloin Steak (Bnls)
 - 63 Top Sirloin Cap Off Steak (Bnls)
 - 64 Top Sirloin Cap Steak (Bnls)



Contestant Number: _____

	1 pt	1 pt	1 pt	3 pts
ID #	Specie	Primal	Retail	Score
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
Number Incorrect				
	X 1	X 1	X 1	
Points Off				
45 -		=		
	Total Points Off		Final Score	

Additional Resources:

Texas A&M University Meat Identification Pictures <http://aggiemeat.tamu.edu/meat-identification-pictures/>

Texas Tech University Retail Identification <http://www.depts.ttu.edu/meatscience/retailid.php>

University of Nebraska Meat Identification <https://food.unl.edu/meat-cuts-identification>

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Plant Identification List – Modified Grassland Evaluation Plant List

****GRASES AND GRASS-LIKE****

- Barley, Little
- Barnyard Grass
- Bermuda Grass
- Bluegrass (Kentucky)
- Bluestem, Big
- Bluestem, Little
- Brome grass, Smooth
- Broomsedge (Broomstraw)
- Crabgrass
- Downy Chess (Downy Brome, Cheat Grass)
- Eastern Gamagrass
- Fall Panicum
- Fescue (Tall)
- Indiangrass
- Johnson grass
- Orchard grass
- Purple Top
- Ryegrass
- Sedges
- Switchgrass
- Timothy

****WOODY PLANTS****

- Blackberry/Dewberry
- Black Cherry
- Coralberry (Buckbrush)
- Dogwood
- Elm
- Grape
- Greenbriar
- Hickory
- Honeysuckle (Bush or Japanese)
- Locust (Black or Honey)
- Oak, Black or White
- Persimmon
- Poison Ivy
- Red Cedar (Juniper)
- Rose (Multiflora or Wild)
- Sumac
- Walnut

****FORBS****

- Bull Nettle (Horse)
- Chicory
- Cinquefoil
- Cocklebur, Common
- Curly Dock
- Croton
- Daisy Fleabane
- Dandelion
- Hemp Dogbane
- Horsetweed
- Goldenrod (Prairie)
- Ironweed
- Milkweed, Common
- Mullein
- Perilla Mint
- Pigweed
- Plantain
- Poison Hemlock
- Pokeweed
- Queen Anne's Lace
- Ragweed (Common, Giant, Lanceleaf)
- Red Sorrel
- Smartweed
- Spotted Knapweed
- Thistle (Tall, Musk, Bull)
- Three-seeded Mercury
- Yellow Wood Sorrel

****LEGUMES****

- Alfalfa
- Birdsfoot Trefoil
- Clover, White
- Clover, Red
- Clover, Little Hop
- Lespedeza (Korean, Common)
- Lespedeza, Sericea
- Partridge Pea
- Tick Trefoil (Beggar Tick)
- Vetch (Common, Hairy)

Grassland Evaluation Study Guide: https://4h.uada.edu/programs/plant-animal/Grassland%20Study%20Guide%2015th%20Edition_08.2023.pdf

Additional Livestock ID Resources

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University of Illinois Livestock eQuiz

<http://web.extension.illinois.edu/equiz/>

Iowa State University “Animal U”

<https://www.extension.iastate.edu/animalu/>

Cornell Cooperative Extension General Livestock Sample Questions

<http://ulster.cce.cornell.edu/resources/livestock-skillathon-quiz-bowl-questions>

Ohio 4-H Livestock Activity Guide

https://ohio4h.org/sites/ohio4h/files/d6/files/publications/documents/4H_959_Chapter_2.pdf

National Swine Registry Skillathon Quiz Resources

<https://nationalswine.com/resources/resources-main.php>

Pork Checkoff Skill-a-thon and Quiz Bowl materials

<https://lms.pork.org/Tools/View/skillathon-quiz-bowl>

UADA Sheep and Goat Production Resources

<https://www.uaex.uada.edu/farm-ranch/animals-forages/sheep-goats/>

Beef Quality Assurance training manuals

<https://www.bqa.org/resources/manuals>