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2019 National Junior Limousin Show & Congress

Quiz Bowl Study Guide

Limousin Information

History

- Country Limousin cattle originated from
 - France
- First Limousin bull imported to North America and when
 - *Prince Pompadour, 1968*
- Know the names of the two bulls Bov Import imported in 1969
 - *Dandy and Diplomate*
- First Limousin bull imported permanently into the United States
 - *Kansas Colonel*
 - Person who imported
 - *Bob Haag, Topeka KS*
 - When?
 - *1971*
- First French Limousin Herdbook established
 - *November 1886*
- First registered Limousin cow
 - *NXF1 Miss Pompadour 1st*

North American Limousin Foundation

- Year of Establishment
 - *1968*
- Headquarters location
 - *Aurora, CO*
- Board of Directors- who is on it and who the officers are
 - <https://nalf.org/about-nalf/board-of-directors/>

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- MOE Shows- know what MOE stands for, name of all 5 Level I MOE shows and locations
 - National Western Stock Show (Denver), North American International Livestock Exposition (Louisville), American Royal (Kansas City), Fort Worth Stock Show and Rodeo (Fort Worth), All American Limousin Futurity (Travels with Junior Nationals)
- Official Publication
 - *Limousin Today*
 - Editor
 - *Mallory Blunier*
- Triple Crown- what shows make up Triple Crown
 - All American Limousin Futurity, NAILE, National Western Stock Show
 - Past winners
 - Spitz Navajo (1st Bull)
 - Spitz Special Effort (1st and only heifer to win)
- First Executive Vice-President of NALF
 - *Richard “Dick” Goff*
- Know past and current NALF Executives
 - *Mark Anderson, Dr. Robert “Bob” Hough, Dr. Kent Andersen, Dr. John Edwards, Dr. Wayne Vanderwert, Jerry Fitzgerald, Greg L. Martin, Robert “Bob” Vantrease, Dale F Runnion*
- Founder Memberships- first founder member
 - *Robert Purdy*
 - How many sold, how much
 - Check <http://afs.okstate.edu/breeds/cattle/limousin/>
- How many cattle NALF registered in 2018
 - 19966
- Know Membership types and cost
 - <https://nalf.org/about-nalf/membership-application/>

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North American Limousin Junior Association

- Year of establishment
 - 1973
- Board of Directors- know how many directors there are, who is on the board, what position they hold, what state they're from, who is running for the board in 2017
 - Check: <https://nalf.org/juniors/about/>
- Newsletter
 - *NALJA News*
- Know membership fees
 - <https://nalf.org/juniors/about/>

Limi Boosters

- Know original name and what year it was founded
 - *Limouselles, 1974*
- Know officers, what position they hold
 - Check: <https://nalf.org/limi-boosters/about/>

Animal Science

General

- USDA
 - *United States Department of Agriculture*
- FDA
 - Food and Drug Administration
 -
- What invention in 1873 had a large impact on beef cattle production?
 - *Barbed Wire*
- Current International Letter Prefix
 - *G*
- Know the safe minimum internal temperature of ground beef
 - *160°F*

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- Know some common anatomical terminology
 - *Ex. What is the poll? What is the term bag refer to?*

Genetics

- EPDs
 - *Expected Progeny Differences*
- Polled vs. Horned- know which is dominant and which is recessive
 - *Polled-Dominant*
 - *Horned-Recessive*
 - Definitions of both
 - *Polled-Naturally lacking horns*
 - *Horned- Has horns*
- Homozygous vs. Heterozygous genes
 - *Homozygous: Having identical alleles*
 - *Heterozygous: Having differing alleles*
- Know what percentages make a:
 - *Purebred*
 - *87% Limousin or greater*
 - *Fullblood*
 - *100% Limousin*
 - *Lim-Flex*
 - *25-75% Limousin crossed with Angus or Red Angus*
 - *Can't have more than 12.5% of "other" breed*

Health

- Scours- know what it is
 - *Common name for cattle diarrhea*
- Bloat- what it is
 - *An increase in gas pressure in the rumen that cannot be belched up*

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- how it can be detected
 - *Swelling on left side of the abdomen*
- Zoonotic Diseases-
 - *Disease that can be passed between humans and animals*
- Know the difference between bacteria, viruses, and fungi

Classifications

- Scientific name for a cow
 - *Bovine*
- Know both species of beef cattle and what makes them different
 - *Bos Taurus and Bos Indicus (humped cattle)*
- Term for a non-lactating cow
 - *Dry*
- Offspring of a cow
 - *Progeny or calf*
- Heifer that is born twin to a bull
 - *Free Martin*
- Calves on grass after weaning but before going to feedlot
 - *Stockers*
- Male parent
 - *Sire*
- Female parent
 - *Dam*
- Cattle used for milk and beef production
 - *Dual purpose breed*

Nutrition

- The stomach- 4 Compartments (won't ask to name all four, just know how many and that rumen is the largest compartments)

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- *Rumen-Largest*
- *Reticulum*
- *Omasum*
- *Abomasum*

- What is the most important nutrient for cattle?
 - *Water*
- A cow's highest energy requirement
 - *2 months after calving*

Carcass

- USDA Quality Grades
 - *Prime, Choice, Select, Standard, Commercial, Utility*
- USDA Yield Grades
 - *(1-5)*
 -
- Marbling- what it is and why it is important
 - *Intramuscular fat- Major indicator of flavor, tenderness, and juiciness*
- Fat thickness is measured between the 12th and 13th rib
- Common term for intermuscular fat
 - *Seam Fat*

Management

- Know the different types of identification
 - *Tattooing, Branding (freeze or Hot), Ear tags, neck chains, Brisket tags*
- Know how many days of age weaning weights for calves are adjusted for
 - *205*
- When newborn calves should be weighed
 - *within 24 hours after birth*
- Injections- know the types and where they are given

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- *Intramuscular- In Muscle*
- *Intravenous- In the Vein*
- *Subcutaneous- Under the skin*
- Know horned vs polled vs scurs
 - Horned- Has attached horns
 - Polled- Naturally Lacking horn
 - Scurs- Small horns, not attached to the skull
- Know what the following stands for and what they measure-
 - *ADG -Average Daily Gain*
 - *ACC-Accuracy*
- Know how scrotal circumference is measured
 - *Centimeters, via a scrotal tape*

Reproduction

- Average gestation length
 - *283 days (9 Months is acceptable for this age group)*
- Cow's first milk and what makes it different from regular milk
 - *Colostrum*
- A.I.
 - *Artificial Insemination*
- E.T.
 - *Embryo Transfer*
- Parturition- what does it refer to?
 - *Birth*
- Time between when a cow is bred and when she calves
 - *Gestation*
- Scientific name for afterbirth
 - *Placenta*
- Method is commonly used to determine pregnancy in cows
 - *Rectal palpation*

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Helpful Websites

- <https://nalf.org/management/library/>
- <http://afs.okstate.edu/breeds/cattle/limousin/>