



New York **Simmental** Assn. Newsletter

VOL 3

July – August 2021

NYSA@NewYorkSimmental.com

607-423-4888

www.NewYorkSimmental.com

COMING EVENTS & DEADLINES

Aug. 3-5 – Empire Farm Days
@ Pompey

Aug. -Sept. - 6 – NYSF

October 1 – 3 Cattle Battle
@ Fonda

October 15 – 17 – Fall Festival
@ Cobleskill

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ASA Library

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August 20 - September 6

August 31 – Beef Day – 12:30 - Hay Bale Throwing Contest
3:00 - NYS Supreme Champion
Female Competition

Sept. 3 – 6 – Fourth Rotation

Sept. 3 – 10:00 – Youth Showmanship

Sept. 5 – 10:00 - Simmental Show
6:00 - Exhibitor Dinner

NYSA meeting TBD

NEWSLETTER

Membership voted to send hard copies of our newsletter only to members requesting them. All members will receive their newsletter automatically through email.

If you wish to continue receiving a HARD COPY (paper in mail), contact Jeanne@SimmeValley.com and request it.

We will still have hard copies available at beef functions.

**1-9-21 MINUTES OF THE
NEW YORK SIMMENTAL ASSOCIATION Zoom Meeting**

1. 1:15 Pres. Darryl Bunal called meeting to order. Julie Murphy set up a Zoom meeting.
2. Jeremy Bear made a motion to accept our minutes from the 10-3-20 meeting. Bryan Stocks 2nd, passed.
3. Shawn Murphy gave a Treasurer's Report. We have \$6,221 in our checking account and the NYJSA has \$7,471. Anna Demko made a motion to accept. Jeremy Bear 2nd, Passed
4. Committee Reports
 - A. NYSF – Jeanne reported there will be 4 shifts – 8-19 to 9-6. Our shift is the same, Thurs pm thru Monday (Labor Day). There will be our show, our new % show and the White Parks.
 - B. Promotion – Anyone interested? Bonnie Toms suggested we have a guideline of expectations and goals.
 - C. Newsletter – will be emailed to all – hard copies only mailed to those requesting it.
 - D. Nominating Chairperson, Art Reynolds announced Shawn Murphy, Russ Bunal & Ed Koss terms expired. Shawn Murphy chose to step down for a new Director. We had 2 new volunteers, Barry Wood and Bryan Stock. New slate of Directors is: Russ Bunal, Barry Wood and Bryan Stock.
 - E. Junior Advisor – Jerry Stephens
5. Correspondence & Announcements:
 - A. Eastern Regional Trustees winning office: Doug Parke, Ky and Chris Ivie, Summertown, Tennessee
6. Old Business:
 - A. Semen orders due 2-20 – order your books and check out Werning's
 - B. NYSA advertised in the NYJBPA calendar and the ASA calendar
 - C. Web Page – is updated by Taylor Hoelscher.
7. New Business:
 - A. We have 450 2020 directories left over out of about 600. Jeanne White felt it was unfair to the advertisers to expect them to pay to advertise again in 2021. Jeanne White made a motion NOT to print a new directory. Phil Trowbridge 2nd – passed.
 - B. Election of Directors. We had two new volunteers, Barry Wood and Bryan Stocks. New slate of Directors is Russ Bunal, Barry Wood & Bryan Stock. No additional discussion or nominations from membership. Secretary was asked to cast 1 ballot for new slate of directors. So cast.
 - C. Feb. Farm Show – cancelled for now. Will review in April?
 - D. NYSF meal – Bunal's will check with caterer. White Park said they would definitely participate.
 - E. NYSF Junior Award – need to check if Sunrise will sponsor again.
 - F. NYSF judge is Greg McCurry
 - G. Picnic Meeting – need a volunteer – date TBA
 - H. Next Meeting – 3-20 at Simme Valley for semen pick up
 - I. Adjourn – Anna Demko made a motion to adjourn,

Bryan Stocks 2nd, passed.

Respectfully reported by: Jeanne White, Secretary



**Cortland County Youth Fair –2021
Supreme Beef Female**

with Simme Valley Tamale, 2-1-20 sired by Mack AF. Eli was also a class winner in Showmanship. Annika Donlick won Reserve Supreme with Simme Valley Hot Damn, 9-7-20 Amigo heifer. Annika also was Grand Master over all Species Showman and Elsie Donlick was Reserve Master Beef Showman.

ASA LEARNING LIBRARY

SimGenetics

Long term success in the beef business depends largely on the continued support of beef consumers. The world demand for quality beef is high, and the American Simmental Association (ASA) is committed to providing consumers with safe, affordable, and tasty beef. SimGenetics refers to the varied populations of Simmental-influenced cattle including purebred Simmental, Fullblood Simmental, SimAngus™, SimAngusHT, Simbrah, and any other Simmental hybrids. Follow the links in this section to delve deeper into the characteristics of each population. The following text highlights the SimGenetic advantage this group has gained collectively.



Through the years, American Simmental cattle have gained a reputation as the science breed. From the foundation of the Association, emphasis on performance data, progeny testing, and genetic evaluation has been the core of ASA's existence. ASA's Carcass Merit Program, feed conversion data, and calving ease research established Simmental as a beef industry leader combining growth and carcass value with outstanding cow traits. ASA's research is backed by the most extensively documented genetics and largest multi-breed database in the industry.



Focus on Carcass Traits: SimGenetic cattle are backed by programs like the Carcass Merit Program and the latest Carcass Expansion Program to increase the number of sire-identified carcass records on genotyped cattle.

Focus on Feed Intake: Through an incentive for feed intake data, breeders can receive a 50% price discount on GGP-LD genomic tests, in exchange for feed intake data on the same animal. Additionally, the ASA added collection of individual feed intake and genomics to the Carcass Merit Program data. Both programs increase the number of feed intake records in the database on genotyped cattle. Building better genomic predictions on feed intake will allow all genotyped cattle to have a more accurate prediction of this vital trait.



Focus on Maternal Traits: Through a whole herd reporting program, Total Herd Enrollment (THE), the ASA has collected cow productivity for years - building a robust database for cow stayability - one of the most valuable traits to the cow-calf

operations. The Cow Herd DNA Roundup (CHR), launched in 2017, has bolstered the number of whole herd genotypes on females - adding valuable genomic information for maternal traits, reducing bias due to selective genotyping, and ramping-up the volume of genotypes in the genetic evaluation. Additionally, breeders stepped up to the plate and added over 42,000 mature weights records with BCS or HH since the CHR began. Through the CHR, breeders are returned genomically-enhanced EPDs, adding accuracy to their predictions similar to having a lifetime of calf records.

Commitment to Quality Genetic Predictions and Selection Tools: The science of genetic improvement is at the core of ASA's existence. Quality predictions start with quality records. In addition to the above programs geared to add carcass, feed intake, cow herd data, and genomic records, the majority of the data entering into ASA's database come from breeders reporting on the whole herd (through THE) - ideal for contemporary group comparisons.

As of January 2019:

5.6 million animal records in ASA's database
121,069 active cows enrolled annually in Total Herd Enrollment (THE)
Over 77,000 genotyped cattle

Backed by the World's Largest Multi-breed Genetic Evaluation in Beef Cattle: continued

6/27/21 Minutes of the New York Simmental Association Meeting Held at Catskill Cattle Co, Deposit, NY

1. Meeting was called to order by acting President Jeanne White at 12:15PM
 2. The minutes from the Zoom 1-9-21 Annual Meeting was passed out to all present and was discussed. Lonny Schaefer made a motion to accept the minutes as presented, Art Reynolds, 2nd, passed.
 3. Treasurer's Report – Shawn Murphy had copies for all. He went over the report, showing a balance of \$6,188 in NYSA account and \$7,471 in the NYJSA account. Bryan Stocks made a motion to accept the Treasurer's Report, Phil Paradis 2nd, passed.
 4. Committee Reports:
 - A. NYSF – dates 8-19 to 9-6 – 4 shifts this year. Our shift is the same, last Thursday thru Monday Sept 6th. Our show is on Sept 5th. Paul & Karen Glenister announced there is no 4-H events at the NYSF, but plans to have a YOUTH Show. NYSF Judge will still be Greg McCurry
 - B. Promotion – anyone interested??
 - C. Newsletter – will be EMAILED only, unless member requests a hard copy. Coming in July.
 - D. Junior Advisors – Jerry Stephens – this program needs help.
 5. Correspondence & Announcements A. none
 6. Old Business
 - A. The Bunal Farm is getting a caterer for the NYSF dinner (catered instead of a dish-to-pass).
 7. New Business:
 - A. EFD – Bryan Stocks is hoping to have cattle to display, if not, Simme Valley will. At Paladino Farm in Pompey, NY. The NYBPA is not having a tent for cattle displays, so Jeanne White rented a space and tent and organized the display.
 - B. NYSF meal – White Park agrees to having the dinner catered. Bunal Farm is getting a caterer
 - C. NYSF Youth Show Award – Jeanne will check with Sunrise Farm, previous sponsor.
 - D. Next meeting will be at the NYSF – TBA
 - E. Lonnie Schaefer made a motion to adjourn at 1:05, Julie Murphy 2nd, passed.
- Respectfully reported by: Jeanne White, Secretary

ASA LEARNING LIBRARY - SimGenetics

Continued: Backed by the World's Largest Multi-breed Genetic Evaluation in Beef Cattle:

 International Genetic Solutions (IGS), facilitates the collaboration of like-minded breed associations with genetic evaluation and improvement of beef cattle. IGS's multi-breed genetic evaluation system has the distinction of being the world's first and the world's largest. In May of 2018, ASA published a full suite of EPDs with a revolutionary change to the evaluation, dubbed the IGS Multi-breed Genetic Evaluation powered by BOLT. Leveraging software developed by Theta Solutions, LLC, the IGS science team revamped the genetic prediction models to better estimate EPDs, added single-step genomics, and gained a more accurate accuracy, all while performing weekly evaluations for the collective IGS breed associations.

As of January 2019:

17.6 million animal records in the database from 13 different breed associations

375,000 new animal records added annually

190,017 genotyped animals in the database

Simmental Genetics Get a Larger Piece of the Market Share in Recent Years.

The emphasis on science, data collection, and commercially valuable cattle has placed SimGenetics in a sought after spot in the beef industry. According to the National Association of Animal Breeders, Simmental-influenced bulls rank second for semen sales compared to all other beef breeds. In the last three years, not only have semen companies sold more units of SimGenetics semen, the percentage of semen sold in the US from Simmental bulls has grown by 33%. This translates to Simmental getting a bigger piece of the semen-sales pie.



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NYSF Department 4 - BEEF CATTLE

ENTRY DEADLINE FOR INDIVIDUAL & GROUP CLASSES: August 6, 2021

Paul Glenister – Co-Superintendent
(315) 298-6648 – Home (315) 882-3480 - Cell
Karen Glenister – Co-Superintendent
(315) 298-6648 – Home (315) 506-3324 – Cell



*****ATTENTION*****

Please check carefully for new information. Please make sure you read all information. Also, see livestock arrival and release

IMPORTANT ARRIVAL INFORMATION

All BEEF CATTLE enter gate #7, follow perimeter road until you come to staging area under the overpass. Attendants will direct you when you can proceed. Vet check at barn then unload. You have 20 minutes to unload. Proceed back down Belle Isle Rd. and exit Gate #11, then follow signs to Horse/Livestock Parking in Black Lot.

ARRIVAL

All cattle in the WHITE PARK, SIMMENTAL, AND SIM/ANGUS-SIM/SOLUTION must arrive between 4:00 p.m. and 9:00 p.m. on Thursday, September 2. Release for these cattle will be 3:00 p.m. on Monday, September 6, 2021. Use Gate 7 to grounds.

Truckers and campers be aware of changes of entry around the cattle barn. All trucks will be going in the same direction so as to alleviate the congestion in the barn area. ENTER BARN BY GATE 10; EXIT BY MANURE PIT.

EXHIBITORS IN 4TH ROTATION WILL NOT BE PERMITTED TO ARRIVE AT THE BARN BEFORE 4 PM THERE WILL BE A STAGED AREA UNDER THE BRIDGE. BARN WORKERS WILL BE DIRECTING TRAILERS WHEN TO PROCEED TO THE BARN. UPON ARRIVAL PLEASE BACK THE TRAILER UP TO THE BACK OF THE BARN. AFTER VET CHECK, EXHIBITORS WILL HAVE 20 MINUTES TO UNLOAD TACK.

Upon arrival on the Fairgrounds all exhibitors must have original HEALTH papers and REGISTRATION papers readily available. All cattle will be checked as they come off the trailers or trucks. Cattle will not be allowed in the barn, on the wash rack or tie-out area until Vet and the office checks them in.

White Park, Simmental and Sim/Angus-Sim/Solution must have all class changes in the Superintendent's office by 10:00 a.m. on Friday, September 3, 2021.

IMPORTANT: ON-LINE ENTRIES:

Please put Breeder name in the Dam name field and the Owner name in the Dam registration field. Do not put in the dam registration.

ALL APPLICATIONS FOR INDIVIDUAL AND GROUP ENTRIES FOR BEEF CATTLE MUST BE RECEIVED ON OR BEFORE THE CLOSING DATE OF JULY 26, 2021. NO ENTRIES WILL BE ACCEPTED AFTER AUGUST 2, 2021. NO ENTRY FEE FOR GROUP CLASSES

<https://nysfair.ny.gov/wp-content/uploads/2021/06/2021-Beef-Cattle-info-rules-regulations.pdf>

SHOW SCHEDULE

First Rotation

Thursday, August 19	4:00 p.m. – 9:00 p.m.	First Rotation Cattle Arrive
Friday, August 20	10:00 a.m.	Deadline to Check in Office with Registration Papers
	11:00 a.m.	Hay Bale Throwing Contest
	2:00 p.m.	Youth Showmanship
Saturday, August 21	9:00 a.m.	Belted Galloway Open Show
	1:00 p.m.	All Other Breeds Open Show ³
Sunday, August 22	10:00 a.m.	Charolais Open Show
	6:00 p.m.	Exhibitor Pot Luck Dinner
Monday, August 23	8:30 a.m.	Youth Breed Show/Showmanship
	2:00 p.m.	Release of First Rotation Cattle & Campers
	5:00 p.m. – 10:00 p.m.	ARRIVAL OF SECOND ROTATION

Second Rotation

Tuesday, August 24	10:00 a.m.	Deadline to Check in Office with Registration Papers
	11:00 a.m.	Hay Bale Throwing Contest
	12:00 noon	Youth Showmanship
	3:00 p.m.	Jr. Hereford Show
Wednesday, August 25	9:00 a.m.	Shorthorn Open Show – Followed by: Shorthorn Plus Open Show
	1:00 p.m.	Red Angus Open Show
Thursday, August 26	10:00 a.m.	Hereford Open Show
	6:00 p.m.	Exhibitor Pot Luck Dinner
Friday, August 27	8:30 a.m.	Youth Breed Show/Showmanship
	3:00 p.m.	Release of Second Rotation Cattle & Campers
	5:00 p.m.	Barn Closed for Cleaning

Third Rotation

Saturday, August 28	5:00 p.m.–10:00 p.m.	Arrival of Third Rotation
Sunday, August 29	10:00 a.m.	Deadline to Check in Office with Registration Papers
	10:00 a.m.	Junior Angus Show
	2:00 p.m.	Youth Showmanship
		Junior Highland Show
Monday, August 30	10:00 a.m.	Angus Open Show
	6:00 p.m.	Exhibitor Pot Luck Dinner
Tuesday, August 31	9:00 a.m.	Highland Open Show
BEEF DAY	12:30 p.m.	Hay Bale Throwing Contest
	3:00 p.m.	NYS Supreme Champion Female Competition
Wednesday, September 1	8:30 a.m.	Youth Breed Show/Showmanship
	3:00 p.m.	Release of Third Rotation Cattle & Campers
	5:00 p.m.	Barn Closed for Cleaning

Fourth Rotation

Thursday, September 2	4:00 p.m. – 9:00 p.m.	Arrival of Fourth Rotation
Friday, September 3	10:00 a.m.	Deadline to Check in Office with Registration Papers
	1:00 p.m.	Youth Showmanship
Saturday, September 4	10:00 a.m.	American-British White Park Open Show
Sunday, September 5	10:00 a.m.	Simmental Open Show – Followed by: Sim/Angus – Sim/Solution Open Show
	6:00 p.m.	Exhibitor Catered Dinner – cost TBA
Monday, September 6	8:30 a.m.	Youth Breed Show/Showmanship
	3:00 p.m.	Release of Fourth Rotation Cattle & Campers

SIMMENTAL DIVISION Show Date – Sunday, September 5, 2021 – 10:00

The Simmental classes are open to all duly REGISTERED 87.5% (Purebred) and above animals of the American Simmental Association or the Canadian Simmental Association. (less than purebred registered Simmental need to show in the “Sim/Angus –Sim/Solution” Show. All females & males must have an official original registration certificate. All females entered in class 627 are required to have a certificate from a licensed veterinarian stating that the female is safe in calf prior to the show date or have a letter from an embryo transplant facility stating that she has produced viable embryos prior to show date or have a natural calf at side. All animals must be registered as the property of the exhibitor in the records of the American Simmental Association or Canadian Simmental Association as evidenced by the ORIGINAL REGISTRATION CERTIFICATE. Jointly owned animals must be entered and shown under the multi-ownership (all co-owners) in individual classes, and for the purposes of calculating Premier Exhibitor and Premier Breeder, the points are attributable to the multi-ownership (all co-owners) not to the individual co-owners. In the group classes, jointly owned animals may be entered and exhibited under the name of one of the co-owners provided he owns a full or part interest in each of the animals in the group entry. Individual animals shown in all group classes listed below, except the Cow-Calf Class, must have been entered and shown in one of the following classes for individual animals. For group classes, except the Get-of-Sire Class and Produce of Dam, all individual animals making up a group entry must be owned or co-owned by the exhibitor and each exhibitor can only have one entry in each group class (other than Get & Produce). There is no ownership requirement for Get-of-Sire Class or Produce of Dam Class. The Get-of-Sire Class shall be in the name of the sire, not the exhibitor(s). Family members' animals registered in a Junior member's name and entered in the open show may be treated as family entries in the group classes, as long as the Junior member is 21 years of age and under as of January 1st of that year. For the purpose of Premier Breeder and Premier Exhibitor points, an exhibitor will be considered a Junior member and their family as one, as explained above. Two-year-old Cow/Calf and Aged Cow/Calf classes must have natural suckling calf at side. Calf status (Purebred or Percentage) determines if pair is shown in Purebred or Percentage Show. Calf must be born on or after January 1, 2020. Calf can be shown individually. Any age cow in the aged cow/calf classes.

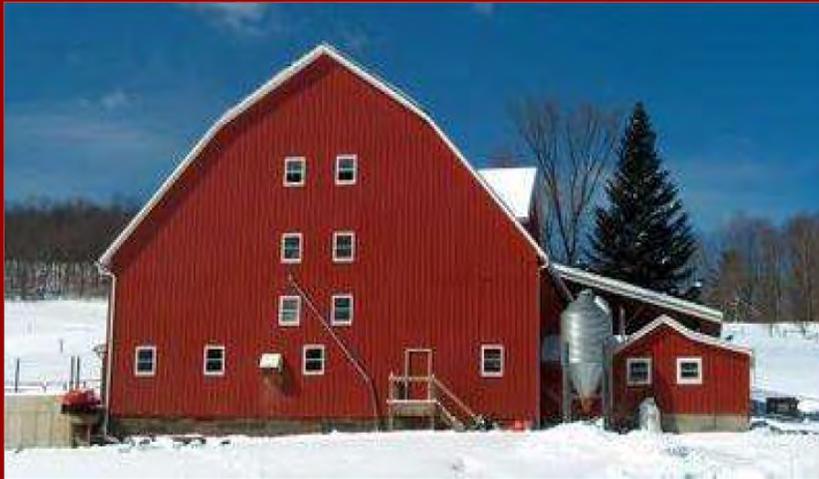
SIM/ANGUS – SIM/SOLUTION DIVISION Show Date – Immediately following Simmental Open Show

The Sim/Angus – Sim/Solution classes are open to all duly REGISTERED 50% up to 87.4% (under Purebred) animals of the American Simmental Association or the Canadian Simmental Association. Purebred registered Simmental need to show in the “Simmental” Show. Cow/calf class will be shown based on the percentage of the COW, not the calf. All females & males must have an official original registration certificate. All females entered in class 686 are required to have a certificate from a licensed veterinarian stating that the female is safe in calf prior to the show date or have a letter from an embryo transplant facility stating that she has produced viable embryos prior to show date or have a natural calf at side. All animals must be registered as the property of the exhibitor in the records of the American Simmental Association or Canadian Simmental Association as evidenced by the ORIGINAL REGISTRATION CERTIFICATE. Jointly owned animals must be entered and shown under the multi-ownership (all coowners) in individual classes, and for the purposes of calculating Premier Exhibitor and Premier Breeder, the points are attributable to the multi-ownership (all co-owners) not to the individual co-owners. In the group classes, jointly owned animals may be entered and exhibited under the name of one of the co-owners provided he owns a full or part interest in each of the animals in the group entry. Individual animals shown in all group classes listed below, except the Cow-Calf Class, must have been entered and shown in one of the following classes for individual animals. For group classes, except the Get-of-Sire Class and Produce of Dam, all individual animals making up a group entry must be owned or co-owned by the exhibitor and each exhibitor can only have one entry in each group class (other than Get & Produce). There is no ownership requirement for Get-of-Sire Class or Produce of Dam Class. The Getof-Sire Class shall be in the name of the sire, not the exhibitor(s). Family members' animals registered in a Junior member's name and entered in the open show may be treated as family entries in the group classes, as long as the Junior member is 21 years of age and under as of January 1st of that year. For the purpose of Premier Breeder and Premier Exhibitor points, an exhibitor will be considered a Junior member and their family as one, as explained above. Two-year-old Cow/Calf and Aged Cow/Calf classes must have natural suckling calf at side. Calf status (Purebred or Percentage) determines if pair is shown in Purebred or Percentage Show. Calf must be born on or after January 1, 2020 through June 30, 2020. Calf can be shown individually. Any age cow in the aged cow/calf classes.

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ESS Farrah F21 – Remington Secret Weapon x Lazy H She's Too Cool

Estrus Synchronization - Part 1

By DAN STEIN - OKLAHOMA STATE UNIVERSITY

May 20, 2021



Estrus synchronization is a reproductive management tool that facilitates the use of both artificial insemination (AI) as well as natural service. Estrus synchronization is never a substitute for poor nutrition, poor herd health or poor management. For any estrus synchronization program to be implemented successfully, it must be well thought-out and well planned.

When using estrus synchronization with AI, producers can capitalize on the superior and proven genetics available with commercially processed semen. For some producers, natural service may be the easiest method of breeding their cows or heifers and estrus synchronization together with natural service may be as beneficial as using AI, as using bulls at a synchronized estrus can be an effective way to tighten the calving period and eventually shorten the breeding season.

Producers should keep in mind that when cows are synchronized and bred by natural service, management considerations should be made for the serving capacity of the bull. Also, the failure to identify a sub-fertile bull prior to being turned out will be magnified when a synchronized estrus protocol is incorporated into a natural service breeding program. Pregnancy rates using either bulls or AI after the same synchronization protocol should be similar provided good management practices are utilized in both situations.

The benefits of incorporating estrus synchronization into a breeding program, whether using natural service or artificial insemination include:

Improving management by more easily defining the breeding season and the calving period.

A labor-saving tool if monitoring parturition; females can be grouped by expected date of parturition.

Increasing the time needed for postpartum recovery in cows and first-calf heifers.

Allowing for greater use of superior sires through artificial insemination (AI) or by natural service.

Increasing calf performance and weaning weights due to earlier birthdates in the calving period.

A more uniform calf crop in size and age, which can be a potential advantage at marketing time.

The most limiting factor in AI programs is the proper detection of cows or heifers in estrus or standing heat. Estrus detection can be a very time- and labor-intensive activity, which makes AI programs impractical for some producers. The first step in deciding upon a synchronization protocol is for the producer to decide how much time, if any, is available for estrus detection or if estrus detection is even feasible. Several different types of aids for the detection of standing heat or estrus are available for producers.

With some synchronization protocols, estrus detection can be eliminated because animals can be inseminated at a pre-determined time, known as fixed-time AI. Synchronization protocols that incorporate fixed-time AI not only synchronize the estrous cycle, but also induce ovulation at a pre-determined time to facilitate insemination.

There seems to be a concern from some producers that if the females are inseminated on the same day, they will all calve on the same day. Research (see Bader et al. 2005, Journal of Animal Science 83: 136-143) has shown that cows conceived on the same day gave birth to calves during a 16- to 21-day period, dependent upon the respective sire. These distributions indicate successful use of estrus synchronization will not result in an overwhelming number of cows or heifers calving on the same day.

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In a Sunup classic from February 2020, Dr. Glenn Selk talks about estrus synchronization and how to choose what program is right for your herd. <http://sunup.okstate.edu/category/ccc/2020/021520-ccc>

A Rancher's Thursday Lunchtime presentation by Dr. Jordan Thomas presented on The Latest in Synchronization and AI Tools and Systems. https://www.youtube.com/watch?v=PVesshs5__8

Estrus Synchronization - Part 2

By DAN STEIN, OKLAHOMA STATE UNIV May 25, 2021

Choosing an estrus synchronization protocol that can be used with either AI or with natural service can be perplexing, as a number of synchronization protocols are available. To assist cattle producers in determining an effective estrus synchronization protocol, the Beef Reproduction Task Force provides recommendations for estrus synchronization protocols to be used in either cows or heifers and these protocol recommendations are reviewed annually by the Task Force.



The current protocol recommendations are found at the Applied Reproductive Strategies in Beef Cattle website at <https://beefrepro.org/>.

For synchronization protocols recommended by the Beef Reproduction Task Force; it is suggested that mature cows be in a BCS 5 or greater and at least 50 days or more postpartum at the time of insemination. Recent studies suggest that beef heifers with a body condition score = 6 and reproductive tract score ≥ 4 are more likely to become pregnant to artificial insemination. Three primary groups of products are used to synchronize estrus or ovulation in beef cattle: prostaglandin F₂ α (PG), progestins (progesterone) and gonadorelins (gonadotropin-releasing hormone; GnRH).

Producers should visit with a veterinarian about the products used for synchronization as a current veterinary-client-patient-relationship (VCPR) will be necessary before these products can be purchased. In all cases, be sure to use the correct synchronization product at the recommended time and follow Beef Quality Assurance practices when administering the products.

When trying to decide which protocol to use, one must remember that there are protocols that will synchronize estrus (standing heat) which are designed to synchronize the expression of behavioral estrus into a 3-to-7-day time period. There are other protocols that will synchronize ovulation within estrus; these protocols are used for Fixed-Time Artificial Insemination. The Fixed-Time AI (FTAI) protocols do allow the producer to utilize a limited estrus detection protocol or a no-estrus detection protocol. The use of sexed semen can result in a decreased conception rate when compared to the use of conventional semen used in similar conditions and situations. Sexed semen can be used on any female observed in estrus (standing heat) and synchronized with any heat detection protocol on the Task Force protocol sheet for conventional semen.

It is recommended to use sexed semen on females that have exhibited estrus (standing heat) before FTAI and conventional semen on females that have not exhibited estrus (standing heat) at the prescribed time for breeding listed on the FTAI protocol. The use of estrus detection aids for detecting females in estrus and for best results perform AI 16 to 22 hours after detecting the female in estrus. Synchronization systems used in *Bos taurus* breeds of cattle do not yield consistently similar results as in *Bos indicus* type cattle. The Task Force have listed modified protocols recommended for use in *Bos indicus* type cattle.

Drs. Mark Johnson and Dan Stein discuss the benefits of estrus synchronization on Sunup.

<http://sunup.okstate.edu/category/ccc/2021/052221-ccc>

SIMMENTAL AND BISON GENOMES RELEASED – May 21, 2021

Bozeman, MT — The first reference-quality genome assemblies for the iconic North American Yellowstone bison and the Simmental cattle breed have been published in the *Journal of Heredity*. Animal genome assemblies provide genetic “blueprints” for how they develop and pass on information to their offspring.

The bison assembly will be used in conservation efforts to maintain genetic diversity, and to study bison evolution by comparing DNA obtained from fossil specimens sampled from permafrost in the Arctic Circle. The Simmental cattle assembly will contribute to an international effort to survey existing cattle breeds around the world to preserve their genetic diversity and identify variation useful for improving beef and dairy traits in different environments. The two genomes are released together because of the unusual way they were created: a single individual hybrid animal from a bison bull and a Simmental cow. Each cell of the hybrid animal contained one copy of the bison and one copy of the Simmental cattle genome.

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Eye Candy 2-24-17 Mack AF x HPF Desa Rae 811U
Bull – “Gambler” - Kappes Pendleton 1-1-19 sold to Ortensi Farm

A big **THANK YOU** to

Bill Sloup – Sloup Simmentals, NE

For your confidence in our breeding program.

After purchasing Eye Candy's yearling, SV Red Hots out of the Stars & Stripes Sale, Sloup's purchased SV Eye Candy, with her Pendleton heifer calf on side; Candy's full sister SV Tamale; a fall Amigo heifer (SV Hot Damn); and a red blazed face Red Answer heifer calf (SV Jennicque).

Bill Sloup appreciates the fact that juniors are showing a few of these animals and has allowed us to keep them here until after their junior show career this year.

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Managing Foot Rot In Cattle

By ROSSLYN BIGGS - June 8, 2021
OKLAHOMA STATE EXTENSION DVM



Foot rot is an infectious disease of cattle, causing swelling and lameness in at least one foot. The associated lameness often leads to decreased appetite and overall performance. It is not uncommon for multiple animals in a herd to be affected.

Foot rot can occur in cattle of all ages, and cases are often seen in wet and humid conditions, but can also occur when it is hot and dry when cattle congregate together. Standing in pens or lots heavily contaminated with feces and urine softens the skin and provides high exposure to the causative bacteria. High temperatures and humidity will also cause the skin to chap and crack, leaving it susceptible to bacterial invasion.



Fusobacterium necrophorum is the bacterium most often isolated from infected feet. This organism is present on healthy skin, but it needs injury or wet skin to enter the deeper tissue. *F. necrophorum* appears to act cooperatively with other bacteria to cause disease. Moisture, nutrient deficiency, injury or disease can result in compromised skin or hoof wall integrity, increasing the likelihood of the bacteria invading the skin.

Diagnosis of foot rot is typically made following thorough cleaning and examination of the foot particularly the space between the digits following sudden lameness. Fever may also be noted. If treatment is delayed, deeper structures of the foot may become affected, leading to a chronic condition and decreased chance of recovery.

Once foot rot has been confirmed, treatment should be administered. Antibiotics and pain medications along with addressing housing and environmental conditions should be considered. A vaccine does exist, but producers should consult with their veterinarian to see if it is a good option. As with most infectious diseases, affected cattle should be isolated.

Notable improvement should be seen within three to four days following treatment. If the animal is not responding during this period of time, it should be evaluated by a veterinarian. "Super foot rot" has been seen in certain areas of the country. It is more aggressive and is not as responsive to standard treatment.

Additionally, there are multiple other conditions that cause cattle lameness. Producers should consult with their veterinarian on diagnostic and treatment options particularly for lameness that does not resolve in the time expected. Approximately 20 percent of all diagnosed lameness in cattle is actually foot rot.

(Editors note: An oxytetracycline works best for a treatment of Foot Rot and Pink Eye (LA200, etc))



Table for Calculating Percent Simmental

Parents	0	1/8	1/4	3/8	1/2	5/8	3/4	pb
0	0	0	1/8	1/4	1/4	3/8	3/8	1/2
1/8	0	1/8	1/4	1/4	3/8	3/8	1/2	1/2
1/4	1/8	1/4	1/4	3/8	3/8	1/2	1/2	5/8
3/8	1/4	1/4	3/8	3/8	1/2	1/2	5/8	5/8
1/2	1/4	3/8	3/8	1/2	1/2	5/8	5/8	3/4
5/8	3/8	3/8	1/2	1/2	5/8	5/8	5/8	3/4
3/4	3/8	1/2	1/2	5/8	5/8	5/8	3/4	pb
pb	1/2	1/2	5/8	5/8	3/4	3/4	pb	pb

SIMMENTAL GENETIC TRENDS

Are Your Genetic Decisions Taking You in the Right Direction? |

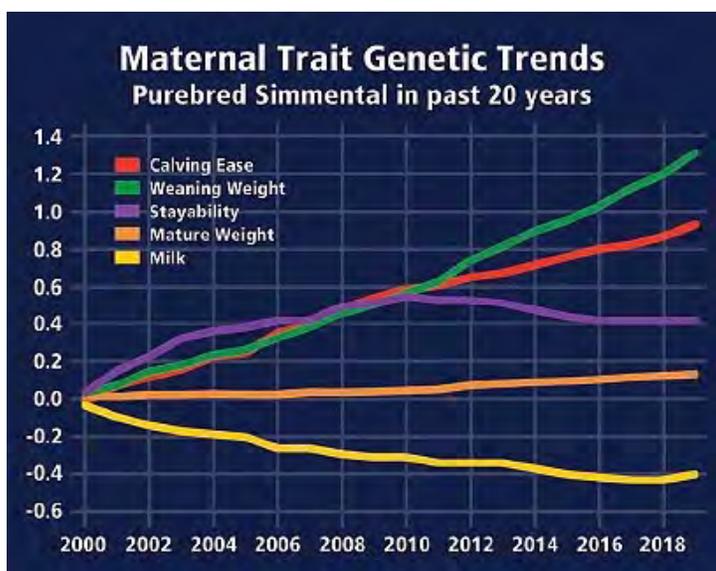


By Jackie Atkins, Ph.D., Director of Science and Education Operations

Each April, we set aside time and space in our magazine to look at the genetic trends of the purebred Simmental over the last 20 years. It's always interesting to take a step back from all the programs, publications, and other projects that occupy most of our days, and simply pause and see if everything we are doing is moving our members' cattle in the right direction. And by "we," I mean we. I view the community of the American Simmental Association's members, their customers, our board of trustees, and the staff at the ASA as a big team pulling in the same direction to improve the genetics available to the commercial beef cattle industry. Of course, the key to change and improvement lies with you, our members. We can provide tools, genetic predictions, and education about ways to improve genetics, ultimately the members hold the power of the final decision. If the programs aren't a fit, they won't be used. If the genetic predictions don't align with what the membership thinks will be successful, they won't be used. Ultimately, the commercial relevance of our members' cattle is the highest priority for the ASA team, and decisions made to increase the commercial demand for our members' customers are at the heart of all the projects and programs happening at the ASA. In order to make sure we are all pulling in the right direction, here are the genetic trends of the purebred Simmental population over the last 20 yrs.

Before we dive into the genetic trends graphs, there are a few housekeeping items. These graphs are standardized so you can compare selection pressure directly from trait to trait. We set the year 2000 to zero so you can see the relative genetic change during the past 20 years, and how change in each trait compares during that time frame. The trends are only reflective of the purebred Simmental population, so do not include SimAngus™, Simbrah, or Fleckvieh cattle. The graphs are broken into maternally and terminally focused traits based on the year of birth of the animal.

In the maternal traits, there is an impressive balance in increasing calving ease, decreasing birth weights, increasing weaning weights, while decreasing milk and holding mature weight flat (suggesting a reduction in the cost to maintain the cow herd). Take a second to digest all that. It is NOT easy to move genetically correlated traits in opposing directions, yet this population has done exactly that.



The stayability EPD (predicting the proportion of daughters who stay in the herd and have calves annually until at least six years old) certainly increased, but in recent years looks a little more flat. I view the recent trend in stayability from two perspectives. On one hand, it's impressive to see so much change in so many traits in the right direction, all while keeping stayability in a positive trend (or at least

not negative). On the other hand, the stayability genetic trend is something our members — our key decision-makers — need to notice. If Simmental and Simmental cross cattle are to maintain high demand in the commercial sector, the daughters going into cow-calf herds need to stay and be productive. Fertility is the number-one trait tied to profitability in the commercial beef industry.

A challenging component of stayability is that it is a lowly heritable trait, meaning the environment plays a much larger role in the phenotype than genetics do. As such, you can see phenotypes that don't match the genetic predictions for longevity. This does not mean the genetic predictions are wrong. The genetic predictions for lowly heritable traits are a much better way to select for the genetics of that trait than using a phenotype (heavily influenced by the environment). In other words, to make improvements in the genetic potential for cow longevity (or stayability), selection using the stayability EPD will make much faster progress than simply selecting on a phenotype (e.g., open/pregnant).

When we look at the genetic trends for the terminal traits, we also see positive movement in nearly all the economically relevant traits. Post weaning gain, carcass weight, and marbling are all increasing. We are starting to see an uptick in yield grade, which is not in a favorable direction, but given the breed's potential for yield, this is not a concern at this time.

The economic indexes also reflect the positive trends we see in these graphs. In the past 20 years, Simmentals have increased by 27% in the All-Purpose Index (\$API) and by 26% in the Terminal Index (\$TI). This translates to an increase of over \$3,000 per bull when making replacement heifers and \$2,000 profit potential for terminal use sires.

Here is your moment to pause all of your busy work and think about whether the decisions you are making about your genetic offerings are taking you in the right direction. Do you have a clear focus for your feedstock program? Are you making decisions to support that area of focus? Are you participating in programs that help get the most accurate predictions possible? Is all your hard work and money paying off? Are you moving in the right direction?

When I sit back and reflect on what the Simmental breed has done in the last 20 years, I am impressed with what I see. Our members deserve a round of applause for the improvement of many economically relevant traits that are hard to improve simultaneously. I see a commitment from our breeders, our board, and our staff to develop programs and tools used to create genetics with commercial relevance and demand. I see these programs and tools leading us in the right direction, or we wouldn't see such balanced improvement in economically relevant traits. As you know, it takes years to see the results of beef cattle genetic selection. With more recent programs like the Cow Herd DNA Roundup, Carcass Expansion Project, and Calf Crop Genomics, I can't wait to see where the increase of data and data quality will take us next.

NEW YORK SUPREME BEEF FEMALE SHOW

Show Date –Tuesday, August 31, 2021 - 3:00 p.m.

Judge: This competition is judged on a points system using 5 judges.

All rules of the New York State Fair apply in addition to those listed below.

- You must be a member of either the NYBPA or NYJBPA. You can join anytime before the Supreme Show.
- Ownership of animals should be dated no later than May 1 of the current year.
- Competition is open to all beef breed females, Purebred or Commercial, including cow/calf (hfr or bull)
- If you are a Supreme Beef Winner from a County Fair or other credited Beef Show in New York, PLEASE MAKE SURE ALL YOUR INFORMATION IS REPORTED TO THE NYBPA EXECUTIVE SECRETARY AT nybeefproducers@aol.com BEFORE YOUR COMING TO STATE FAIR.
- At State Fair competition cow/calf must compete as pair and calf must nurse in show ring.
- The Cow/calf competition will be first. Followed by the Heifer Show.
- This Special Event is a ONE DAY Show. All cattle need to be checked in by both a State Veterinarian, NYBPA affiliate and on display in Supreme Area by 10:00 a.m.
- Special Meeting at 11:00 a.m. • The Supreme Show is scheduled for 3:00 p.m.
- You must participate in the Parade of Champions on Supreme Show Day or you will be disqualified.
- Class divisions will be made the day of the show after all cattle are checked in.



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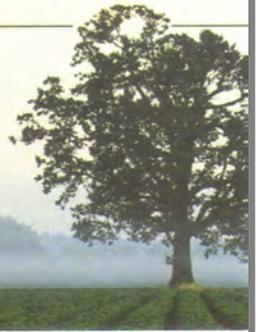
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Reproductive Tract Scoring in Replacement Heifers

By DANIEL STEIN June 2, 2021



Reproductive Tract Scoring (RTS) is a subjective measurement which involves the rectal palpation of the heifer reproductive tract (uterine horns and ovarian structures) and the subsequent assignment of a reproductive tract score, ranging from 1 to 5 (1 = immature; 5 = presence of a corpus luteum), to assist the producer in making replacement heifer decisions. Since age at puberty is difficult to measure directly, RTS can estimate pubertal status, and if performed before the onset of the breeding season, can be a predictor of heifer reproductive performance allowing for heifers with a poor breeding potential to be removed from the breeding group before any further costs are incurred. The RTS system has been shown to be a repeatable measure between & within practitioners and to be moderately heritable (0.32 + 0.17).

A RTS of 1 refers to a prepubertal heifer, a RTS of 2 or 3 refers to a peripubertal heifer (transitional stage), and a RTS of 4 or 5 refers to a pubertal (cycling) heifer. The reproductive performance of heifers with an RTS of 1 or 2 is less than that of heifers with an RTS of 3 or greater. Heifers with a RTS of 1 or 2 are less likely to be cycling at the beginning of the breeding season and therefore are less likely to become pregnant or if they do become pregnant, do so later in the breeding season suggesting that heifers with a RTS of 1 should possibly be eliminated from the breeding group. It is worth mentioning, that some heifers do not exactly fit a particular RTS score and it is up to the producer and/or practitioner to decide on which of the measures are to be given the most emphasis.

RTS should be done about 1 month or less prior to breeding if the score is to be used as a culling tool as an indicator of a heifer's ability to conceive early during the first breeding season. If RTS is to be used as a selection tool to place pressure on age at puberty, the best time to evaluate the heifers is when approximately 50% of the heifers are thought to be cycling based on age, weight, and occasional observations for estrus.

Another possible application of the RTS system is to assess the nutritional program being utilized by the producer. If RTS is taken within a sufficient time before the start of the breeding season (approximately 30 to 60 days); based on the results of the tract scores, the producer can adjust the ration to help the heifers reach developmental goals prior to the beginning of the breeding season or the beginning of the breeding season can be adjusted.

The uterine and ovarian dimensions for each of the reproductive tract scores are described in Table 1. The reproductive tract score is based on the degree of uterine horn development and ovarian status (size of dominant follicle and presence or absence of a CL).

Table 1: Description of uterine and ovarian measurements for different Reproductive Tract Scores (RTS)

Reproductive Tract Score	Uterine Horns (diameter, mm)	Ovarian Length (mm)	Ovarian Height (mm)	Ovarian Width (mm)	Ovarian Structures
1	Immature, < 20 mm, no tone	15	10	8	No palpable Follicles
2	20-25 mm, no tone	18	12	10	8 mm Follicles
3	20-25 mm, slight tone	22	15	10	8-10 mm Follicles
4	30 mm, good tone	30	16	12	> 10 mm Follicles, CL possible
5	> 30 mm	>32	20	15	CL present

Dr. Daniel Stein is an Oklahoma State University Extension Reproduction Physiologist.

Summer School for the Homeschooler

I felt like I had failed as a homeschool mom and I needed to quit for the summer. My ten year old son was smart academically, but sometimes he lost it in maturity. I felt like I wasn't getting through to him. We got along great, but he was too dependent on me. Melt downs were far too frequent. Therefore, I knew he needed to be without me more and find his backbone.

Summer came and we stumbled into an unexpected solution for a homeschooling family as we got a private tutor. Looking back now, it was really by accident we found her. We had met her through mutual friends earlier in the year. At the time, we had no idea that we would ever meet up again or that she would be teaching my son so much. We got her for a bargain at a half, even though her real price tag was hefty. She was young but a big girl. She was quiet and had a sweet nature about her. She worked with my son almost every day. She wasn't much for teaching him academics directly, but he did not need that. Every day, she seemed ready to give him a daily lesson of fairly predictable tasks that had to be done in a specific order. At first he went along with the plan somewhat begrudgingly, but there were also moments he seemed to be enjoying himself. I probably hung around too much in the beginning and interrupted her lessons. I was trying to make the relationship work, but really I just needed to let her do her thing. Finally, one day there was a breakthrough and they just clicked. She found his sweet spot when a new task was added to their daily lessons. It was a lesson on nutrition and after that he would do whatever she asked for so much better. Since nutrition was last in the daily series, he now enjoyed working more on the other lessons in anticipation of the final task.

Looking back over the summer:

- She taught him to pay attention.
- She taught him to be persistent.
- She taught him to take correction.
- She taught him to stand still.
- She taught him to care about what her does.
- She taught him cleanliness matters.
- She taught him to take directions.
- She taught him to give directions.
- She taught him responsibility.
- She taught him self confidence.
- She taught him heads should be held high.
- She taught him how to speak to adults.
- She taught him about nutrition.
- She taught him grooming matters.
- She taught him to be competitive.
- She taught him it's ok to lose.
- She taught him self control.
- She taught him to be proud.
- She taught him to be committed.

Now just because she taught him a lesson does not mean he comprehended it. However, he did grasp about three quarters of the lessons she taught. Despite not being mature enough to comprehend all her lessons yet, I know they will stay with him as they are seeds planted in his mind that will come out when the time is right. For example, he has not learned all the self-control to graciously lose or the responsibility to take care of all of his belongings, but she started the lessons he will pull from later on.

As the summer came to an end, it was obvious that they had both grown. He grew in confidence, respect, and self-control. In contrast, she grew in size, by a couple hundred pounds to finish the summer tipping the scales at about 600 lbs! He was sad to say goodbye, but she taught him about heartbreaks with is another lesson in itself. I know she will still be around at our friends' house and maybe he will see her again next summer. Maybe she will have some more lessons for him, but thy will never have a summer like they did this year.

Thanks for the lessons this summer Simme Valley Hot Tamale. We will miss seeing you daily but you will not be soon forgotten. Your final lesson was that even if you were not born in a barn, you can still be schooled in one.

Written last summer by: Christel Donlick



Biggs: Internal Parasite Control

By ROSSLYN BIGGS - OKLAHOMA STATE
EXTENSION DVM June 16, 2021



Internal parasites cause a variety of clinical signs, including weight loss, diarrhea and death. Other, less obvious parasitic signs, (often referred to as subclinical signs), significantly impact producers. The subclinical signs may include things like decreased weaning weights and lower rates of reproduction.



Widespread use of anthelmintics (dewormers) has led to most cattle parasite control programs focusing on maximizing production rather than treating clinical disease. There are three anthelmintics classes available in the United States: the benzimidazoles, the macrocyclic lactones, and an imidazothiazole.

Due to the extensive use of anthelmintics, concern have been raised about the development of parasite resistance leading to loss of product effectiveness. Researchers at OSU are currently investigating Oklahoma cattle herds for parasite resistance.

Numerous factors relative to the use of anthelmintics are thought to have the potential to contribute to the development of resistance. One of the biggest factors is thought to be the treatment of all animals in a production system regardless of parasite load. Application of treatment at a time of year when larval numbers on pastures is low can also lead to a relative increase in resistant larvae on the pasture. Additionally, the weight of animals is often estimated leading to under dosing with inadequate concentrations of the drug reaching the parasite. Other groups of animals are often treated based on the average weight of the group which leads to roughly half of the population receiving less than the recommended dose. The delivery form of the anthelmintic can also impact the risk of resistance. Pour-on formulations are convenient and easy to use, but accurate dosing is difficult and pour-on formulations produce lower drug concentrations at the level of the parasite. Also, licking behavior has been shown to result in drug exposure of nematodes in non-treated cattle.

In order to address parasite resistance and maintain product efficacy, sustainable parasite control programs must be developed. Effective programs are built upon knowledge of parasite life cycles, sound grazing strategies, and proper product use. It's important to note that sustainable parasite control aims to suppress parasite population below the threshold for economic loss, not completely eliminate parasite populations. Producers should work closely with their veterinarian to design an effective parasite control program.

NEW YORK CATTLE BATTLE – May 9th, Fonda, NY

Top 5 Simmental Heifers: Champion, Tiffany George, PA; Res Champion, Travis Clark, NY; 3rd Overall, Chase Gerhardt, NY; 4th Overall, Molly SanEmeterio, NY; 5th Overall, John Bertrand, Mass.
Top 5 SimAngus/SimSolution Heifers: Champion, Dylan Bozeman, NY, Res Champion, James Hicks, NY; 3rd Overall, Molly SanEmetario, NY; 4th Overall, John Bertrand, MA; 5th Overall, Addy Rae Bozeman, NY



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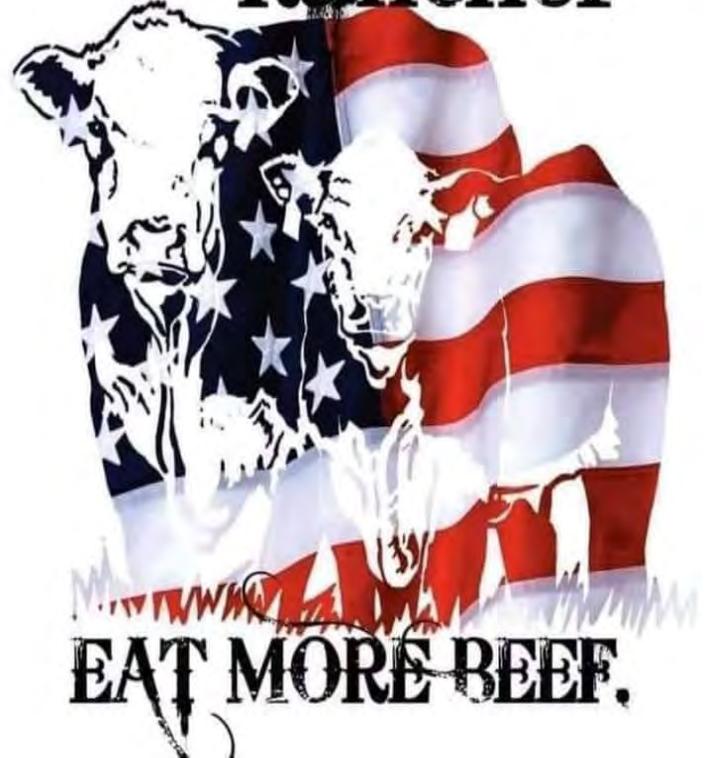
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- An individual heifer or steer can only qualify for each prize one time per calendar year.

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 Buyer: Wade Humphries, IA

Lot 15 Lazy H Shez Too Cool Pregnancy \$5,800
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 Buyer: Chris Beachy, MD

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 Consignor: ERV Cattle
 Buyer: Nicole Ullom, PA

Lot 11/11A ERV Lexi \$5,600
 Sire: Cherokee Rooster
 Heifer Calf by: W/C Relentless
 Consignor: ERV Cattle
 Buyer: Aaron McKinney, PA

Lot 19 HFSC Foxy Lady HF6 Pregnancy \$5,500
 Sire: THSF Lover Boy
 Consignor: Hillcrest Farm
 Buyer: Nick Sloup, NE

Lot 54 HPF Sazerac 417E \$5,400
 Sire: TKCC Classified
 Bred to: GEFf County O
 Consignor: OEF Simmental
 Buyer: Brian Cody, WV

Lot 8 CLO Shasta's Finale 29F1 \$5,000
 Sire: MVS Maximus
 Heifer Calf by: THSF Lover Boy
 Consignor: CLO Simmentals
 Buyer: Penley Farms, VA

Lot 7/7A ESS Gwen G32 \$4,600
 Sire: W/C Executive Order
 Heifer Calf by: Mr. CCF 20-20
 Consignor: Elmside Farm
 Buyer: Curry Wagner, PA

Lot 3/3A ESS Febee FD27 \$4,300
 Sire: W/C Executive Order
 Heifer Calf by: Mr. CCF 20-20
 Consignor: Elmside Farm
 Buyer: Josh Vanhorn, OH

Lot 12/12A ESS Cookie CX10 \$4,250
 Sire: B C Lookout
 Bull Calf by: Ruby's Turnpike 771E
 Consignor: Elmside Farm
 Buyer: Kasey Rowser, UT

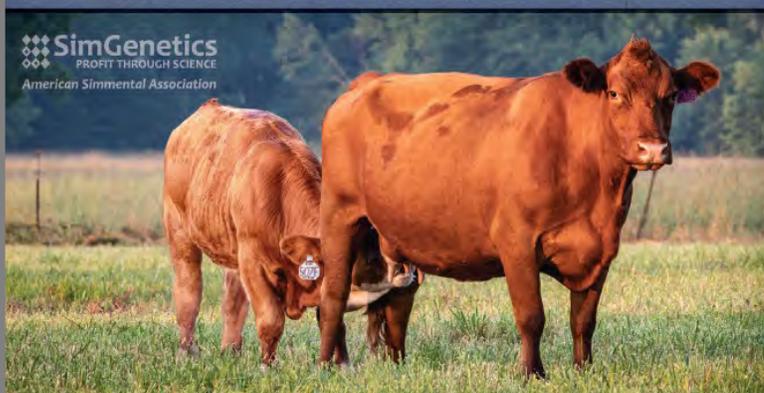
Lot 9 Simme Valley Firebird \$4,250
 Sire: Mack AF W273
 Heifer Calf by: Simme Valley Macho AsU
 Consignor: Simme Valley
 Buyer: Steve Fields, NC

Lot 45 GRSSM Burning Spice 315GA \$4,000
 Sire: SSC Mr. Weapon
 Bred to: GEFf County O
 Consignor: Green Ridge Simmentals
 Buyer: Darrick Synesael, IN



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News in by – Apr 1

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News in by – July 15

September-October
News in by – Sept 15

November-December
News in by Nov 15



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