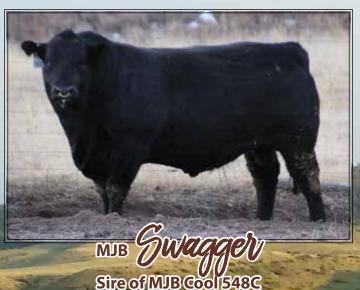
SOUTH DEVON

REVIEW



Add the Profit of South Devon Influence to Your Operation



Dam of 548C-MIB NIkki 8318 7 calves at 114 Wearing Index



MJB Gool 548C Streof Davelle Gool Beau N51

From a Progress 3150 daughter

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Females Available Private Treaty

NFL Progress DSB014

An outstanding Progress son that is a Trait Leader for Weaning Weight and Yearling Weight EPD

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April 1, 2021



14 Age-Advantaged South Devon Bulls 28 South Devon Yearling Bulls

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MJB Ranch

Box 259 Lodge Grass, MT 59050 (406-679-0309)

Stranberg Cattle Company

6085 70th Street SE Maynard, MN 56260 (320) 894-7047

Royal Beef Genetics

21321 State Hwy. 29 Starbuck, MN 56381 (320) 287-0751

Triangle T Cattle

3270 E. 3600 N. Kimberly, ID 83341 (208) 320-8017 Thompson Land & Cattle Company 6629 100 Street SW Motley, MN 56466 (801) 391-8989

Advertiser Directory

Alumbaugh Farms4	9
Bar/ E Cattle Co	51
C/N Ranch5	3
Dahl Land & Cattle LLP	0
Diamond Plus Cattle5	2
DLCC Ranch5	6
DLCC Ranch Gold Dust	9
Elkington Polled Herefords & South Devon	9
Gnech Farms	0
Hidden Paradise Ranch2	7
Hoxie Hill Farm	0
JVM Cattle Company1	5
KNN Farms5	51
Midland Bull Test	3
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Lynn Giess	Editor
Sherry Doubet	NASDA Registry

Cover photo taken at MJB Ranch, Lodge Grass, Montana Editorial Design by Shannon Krueger, Allegro Creative, Abilene, Kansas



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Published annually by the North American South Devon Association dedicated to the promotion and improvement of breeding, feeding and marketing South Devon cattle.

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A Hopeful Start in 2021

Farmers and ranchers are known for their optimism. Who else would bury thousands of dollars in the dirt, hoping the effort will return a profit? Or, buy a \$10,000 bull, not knowing what his progeny will be like. It's a risk most will take year after year, generation after generation, hoping for the best.

I'm an optimistic person, but I'll admit there were times in 2020 and still recently where I see the glass half empty. I could revisit the numerous frustrations, weather events, market fluctuations, but most

of all the Covid-19 pandemic that has affected our lives for the past year, and continues to do so.

As 2021 begins, the U.S. beef cattle industry and seedstock producers have an opportunity to excel and face the challenges head-on. Our operations have been disrupted and its time to focus on ranching and raising cattle that have a real place in the cattle industry.

Fortunately, after joining the International Genetic Solutions (IGS) database, we are able to offer South Devon producers the most accurate EPDs ever provided for our breed. We are now part of the largest beef cattle database in the world of nearly 19 million animals representing 17 different breed associations in the US, Canada and Australia. EPDs are now calculated weekly for our members. In the near future, we will also have the availability of Genomic Enhanced EPDs for those animals having a 50K or greater genomic test on file.

The more we know about our cattle, the better decisions we can make. I encourage you to talk to your customers about the benefits of having the ability through IGS to compare data and give a much broader view of our breed. The role of South Devon producers,



now and into the future is to provide all data to the association. Incorporation of the data into the IGS database will give our customers an even more wealth of data and accuracy to better utilize information for commercial cattle in a win, win scenario. More importantly, the commercial cattlemen can select bulls that excel in economically important traits.

There is a lot of work yet to be done. In many of the articles in the 2021 South Devon Review, you'll read about genetic tools available to our

membership, the successes and sustainability of different operations and where South Devon fit in crossbreeding programs here and around the world.

The association is planning several events this coming year, including the Junior National to be held in Grand Island, Nebraska and the National Show relocated from Denver to the Northern International Livestock Exposition in Billings, Montana. I would like to encourage our membership to support our youth and participate in the events we have planned. Members must work diligently on marketing the breed at livestock events, shows, sales and personally to spread the message of the breed as the 'Profitable English Outcross'.

There are also upcoming sales to attend and support, including the Midland Bull Test, Hidden Paradise Ranch and ELS Acres production sale and the DLCC Ranch production sale.

A special thank you to everyone for their diligence throughout this past year to continue to build awareness of the breed, support our breeders and youth and stay hopeful for a successful and healthy future.

Sincerely,

Dar Giess

NASDA Past President

2021 BOARD OF DIRECTORS

Stephen Elmore, Vice President 1235 W Mt. Gilead CH Rd. Clinton, NC 28328

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Carroll Nelson

150 Howie Road Big Timber, MT 59011 (406) 690-8731 cnelson@midrivers.com

COMMITTEE APPOINTMENTS

Executive

Dar Giess, Steve Elmore, Jim Brown, Joel Popken, Jordan Vander Molen

Finance

Jordan Vander Molen, Chairman Kurt Nelson, Jim Brown, Dr. Dale Alumbaugh,

Carroll Nelson

Rules & Ethics

Dr. Dale Alumbaugh, Chairman Steve Elmore, Mary Brown, Dar Giess, Carroll Nelson

Breed Improvement & Promotion

Steve Elmore, Chairman Mary Brown, Lane Giess, Mike Steinlicht, Jeff Dahl, Keith Elkington, Lynn Giess, Jared Mumm

Show, Sales & Events

Dar Giess, Chairman

Jim Brown, Joel Popken, Lane Giess, Jordan Vander Molen, Kurt Nelson, Gino Gnech

Membership & Junior Programs

Lane Giess, Chairman Jordan Vander Molen, Lynn Giess, Mike Steinlicht, Charles Terry, Gino Gnech

NASDA Registry Office

Sherry Doubet

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NEWS & NOTES

NASDA BOARD MEMBERS ELECTED

Four board members were recently elected to the North American South Devon Association (NASDA) board of directors. Returning after sitting off the board for a year per Article IV of the by-laws, is Jim Brown, Lodge Grass, MT. Keith Elkington, Idaho Falls, ID was re-elected. Newly elected board members include: Gino Gnech, Malin, OR and Carroll Nelson, Big Timber, MT. Directors whose term expired in 2021 are: Mary Brown, Lodge Grass, MT, Dar Giess, Pierz, MN and Jeff Dahl, Gackle, ND. A new officer team will be elected in March.

DNA REQUIREMENTS

The North American South Devon Association will require all South Devon sires to have a low-density genotype on file with the NASDA office on all sires of 2021 calves.

BODY CONDITION SCORES (BCS)

In order to calculate more accurate indexes, NASDA is encouraging members to record body condition scores and cow weights. The Beef Improvement Federation has recommended guidelines and best practices and the best time to record a BCS is at weaning. A .50 rebate will be given by NASDA to members for each BCS turned in.

LETTER J FOR 2021

The year-letter animal identification letter for 2021 is "|" and will be followed by "K" in 2022.

MEMBERSHIP

Effective January 1, 2021, the active adult membership fee increased from \$50 to \$100 annually. The active junior membership fee increased from a lifetime \$15 fee to a \$15 setup and \$20 annual fee.

NASDA PUBLICATION ACCEPTING PHOTOS

The NASDA South Devon Review is looking for cover, editorial and advertising photos. Categories to consider: cattle in different environments, pasture, feedlot, show and sale; people working with cattle; industry-related events; and general ranch photos. Photos should strongly represent the principals and focus of the South Devon association. Vertical or horizontal format is acceptable. NASDA will pay \$100 for photos

used on the cover of the South Devon Review and \$50 for those used in South Devon advertisements. Photos received by NASDA are assumed to be released by the photographer and permission given to NASDA and the South Devon Review for use. Send high-resolution photos to southdevon_lynn@outlook.com.

CATTLE INDUSTRY CONVENTION AND NCBA TRADE SHOW

The Cattle Industry Annual Convention and NCBA trade Show is one of the industry's largest events each year, bringing together cattlemen and cattlewomen from across the nation to do the work of our industry. Unfortunately, the current pandemic presents challenges that make bringing people together difficult. Originally scheduled for February 3-5, the convention and trade show will now take place August 10-12. While the event may have a new date, both the convention and trade show will continue to take place at the Gaylord Opryland Resort and Convention Center in Nashville, Tennessee. For more information visit convention.ncba.org.

BEEF QUALITY ASSURANCE (BQA)

The National BQA Program has placed a high priority on animal-handling issues and developed a variety of resources for producers working to improve. Online BQA self-assessment tools are available for cow/calf, stocker and feedlot producers. Find these tools and other information about the BQA program at www.BQA.org.

YOUTH EXPERIENCE APPLICATIONS

Due to Covid, the deadline for the 2021 NASDA Youth Experience heifer application has been extended to September 1. Juniors interested in applying for the heifer can visit the junior page at www.southdevon. com. The 2021 heifer is being donated by DLCC Ranch, Pierz, Minnesota and will be presented to the recipient at the 2021 National South Devon and Poundmaker Show to be held October 17-19 in Billings, Montana.

WORLD TOUR CANCELLED

The 2020 World South Devon Association to be held in New Zealand has been cancelled. "This is not a decision made lightly but, due to the Covid-19 pandemic, the current situation is that only New Zealand residents

NEWS & NOTES

are able to enter the country," said Richard Van Asch, president of the New Zealand South Devon Society. "Indications are, this could possibly continue for another one to two years." At this time, no alternative plans have been made. "New Zealand would like to be reconsidered as a host when World Congress participants can travel safely again," he said. World South Devon Society

members recently voted to hold the World Congress in New Zealand when Covid restrictions are released.

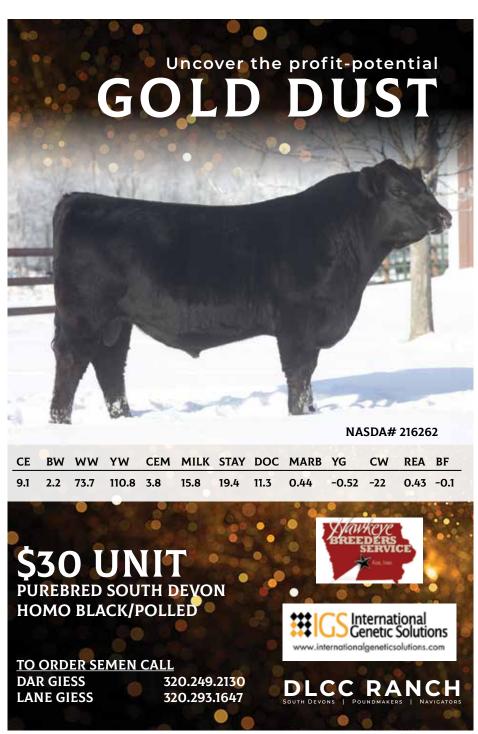
NASDA PHOTO CONTEST

The 2021 NASDA photo contest will be held throughout the year. Entries will have the opportunity to appear on the cover of the 2022 Sire Summary and Membership Directory. Other winners will be used in additional publications and on the NASDA website. The photographer of the winning photo will receive a South Devon jacket, complimentary banquet ticket and recognition at the annual South Devon banquet held each year in Denver in mid-January. Second and third prize will also receive an award and be recognized. All materials need to be of higher resolution – a minimum of 300 dpi for photos. Send photo contest entries by Jan. 1 to the NASDA office, southdevon_lynn@outlook.com.

MEMBERSHIP DRIVE

The North American South Devon Association is promoting a membership drive for 2021. Any individual who recruits 5 new members in 2021 will receive a ½ page ad in the 2022 Sire Summary Magazine. Those recruiting 4 new members in 2021 will receive a ¼ page ad. Anyone recruiting 3 members will receive a complimentary card ad. Those recruiting 1-2 members will

receive a complimentary banquet ticket to the 2022 National Banquet, held during the events in Denver in mid-January. All recruiters will receive recognition on-line and in the 2022 Sire Summary magazine. Anyone recruiting 10 new members will receive a feature article on their operation in 2022 issue. Recruitments can be a seedstock operation, commercial operation or business.





MONDAY, JUNE 21

8 a.m. Barns Available for Stalling & Check-In

5 p.m. Ag Olympics

TUESDAY, JUNE 22

8 a.m. Breakfast sponsored by Fraser Ranch/Wright Ranch

8:30 a.m. Exhibitor Meeting

9 a.m. Photo Contest, Poster & Editorial Contest Entries Due

9:30 a.m. Opening Ceremonies

10 a.m. Prepared & Impromptu Speaking Contests, Marketing

Contest & Quiz Bowl

12 p.m. Lunch sponsored by HayCow Ranches

6 p.m. Swim & Pizza Party

WEDNESDAY, JUNE 23

8 a.m. Breakfast sponsored by Showboat Cattle Company

10 a.m. Purebred & Poundmaker Bred-and-Owned Shows

12 p.m. Lunch sponsored by Fraser & Associates

1 p.m. Showmanship: PeeWee, Junior, Intermediate & Senior

3 p.m. National Jr. Meeting followed by Election of Officers

4 p.m. Junior Talent Competition

5:30 p.m. Adult Showmanship Competition

THURSDAY, JUNE 24

8 a.m. Breakfast sponsored by Sadler Cattle Company

10 a.m. Purebred & Poundmaker Owned Shows

5 p.m. Awards Banquet followed by Cattle Release

NEWS & NOTES

WORLD SOUTH DEVON SOCIETY UPDATE

The zoom meetings held by the World South Devon Society are open to South Devon breeders from around the world. The meeting agenda includes updates from each country, special guests and future plans for the organization. For more information contact southdevon_lynn@outlook.com.

CO-OP PROMOTION

Co-op promotional opportunities are available from NASDA. The NASDA will share 50% (with a maximum of \$400) of the cost of promotions for South Devon events such as a promotional booth and/or displays at fairs, expos, etc. This includes consignment sales, but excludes private and productions sales. Prior approval by NASDA is required.

FACEBOOK

For up-to-date events and information log on to the North American South Devon Association Facebook page. If you have photos or highlights from a South Devon event, e-mail: southdevon_lynn@outlook.com.

NASDA WEBSITE & CALENDAR OF EVENTS

Classified advertising is available on the NASDA website. The classifieds section was designed as a location for members to advertise their cattle, semen, livestock, supplies, equipment and employment opportunities. Cost is \$20 per month or \$50 for three months for members and \$30 per month for non-members. This fee is for an ad approximately six lines not including your contact information. Individuals who advertise in the spring issue of the magazine will receive a complimentary ad in the classifieds section. Anyone who would like to have an event date added to the NASDA website or South Devon Review calendar of events should contact the NASDA office in writing, with the exact dates, location and contact information.

2021

Calendar Highlights

MIDLAND BULL TEST

April 1

Columbus, Montana www.midlandbulltest.com

HIDDEN PARADISE RANCH ONLINE SALE

April 10

Eau Claire, Wisconsin hpcattle.com

DLCC RANCH ANNUAL SALE April 17

Pierz, Minnesota www.dlccranch.com

NASDJA 'JUNIOR NATIONAL'

June 21-24

Grand Island, Nebraska www.southdevon.com

IOWA STATE FAIR

August 13-16

Des Moines, Iowa www.iowastatefair.org

WORLD BEEF EXPO September 23-26

Milwaukee, Wisconsin

www.worldbeefexpo.com

NATIONAL SOUTH DEVON & POUNDMAKER SHOW

October 17-19

Billings, Montana www.thenile.org

MINNESOTA BEEF EXPO

October 21-24

St. Paul, Minnesota www.mnbeefexpo.com

NORTH STAR CLASSIC

December 2-5

Valley City, North Dakota www.northdakotawintershow.com

2021 LIFETIME ACHIEVEMENT

MJB Ranch

LODGE GRASS, MONTANA

By Hannah Gill

Almost 100 years ago, Jim Brown's grandfather had his old Studebaker truck loaded up with his belongings, ready to leave Montana. It was the 1930s and times were tough with no money or jobs to be had, but he was hoping for better luck in Texas when a banker approached him about a ranch near Lodge Grass, Mont. Five generations later, Jim Brown watches his children work on the family where they raise South Devon, Salers, Hereford and Angus cattle, and maybe someday, his grandchildren will find a place there.

It has been thirty-four years since Brown first brought South Devon blood to the Montana ranch and since then, the MJB Ranch has become prominent within the breed, this year being honored by the association with a Lifetime Achievement Award.

"I had a partner in some Salers cattle, a fella the name of Dar Giess, and he had a South Devon cow that he was pretty proud of," Brown says. "She looked pretty good and he talked me into buying her."

Brown says he never looked back and went to buying South Devon cattle from several places including Scott Bollenbach, Leachman Cattle Company, Jack Dahl and of course, Dar Giess.

"Basically, when we found a bull that we liked, we bought him," he says.

They had been looking for a gentle breed with pigmented udders after struggling to keep up with sunburned udders on the Herefords that they had been running. The South Devon cattle seemed to be gentle and about as productive as the Herefords, but over the years Brown has been impressed with how well the breed continues to perform both in the pasture and on the rail.

"We're pretty much performance oriented," he says.

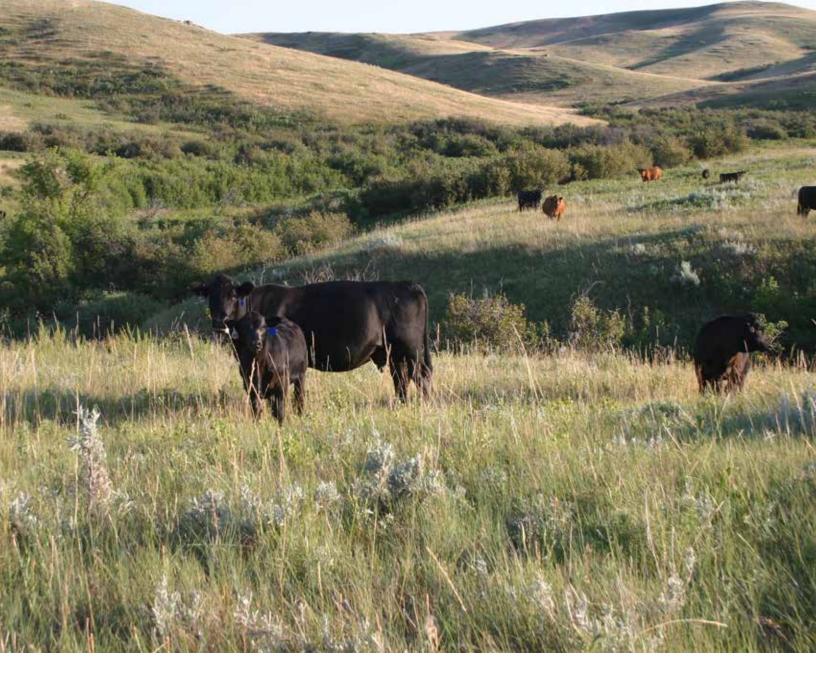
"The first thing they've got to be is right at birth, they've
got to be fertile and functional, they have to have enough
muscling and be sound and be good converters on the
range, but if they don't eat good, they're not much."

Through selling quite a bit of locker beef over the years, the Browns has found that after most people try the South Devon beef, they have a hard time buying anything else because of its unique flavor.

"It's nothing we did, but the cattle we put together have turned out to be very efficient and efficiency is profitable," Brown says. "If they convert to beef on less pounds of grain than something else can, it's pretty hard to beat."



2014 World Tour participants at MJB Ranch in Lodge Grass, Montana



MJB Ranch is the longest running consignor to Midland Bull Test in Columbus, Mont., the largest feed efficiency testing program in North America, where, after the consigned bulls are submitted to a 120-day test, the top 80 percent are sold in the Final Sort Sale in April.

"Midland started testing for efficiency and these cattle turned out to have it just bred into them," Brown says. "It really wasn't anything we selected for or anything else, they just turned out to be very efficient cattle and that has helped us whenever we are crossing them with anything."

In the last fifteen years, the Browns have been working with Leachman Cattle Company to incorporate South Devon blood into the Colorado ranch's Stabilizer crossbreeding program. Now, about half of MJB's South Devon cows are bred to Stabilizers and the other half are



Jim and Mary Brown

"We really feel fortunate to have gotten involved early with the South Devon breed, of all the breeds that we work with, we really like them the best."

Jim Brown MJB Ranch Lodge Grass, Montana kept full blood South Devon. From there, the crossbred bulls go to Leachmans's sale and the full blood bulls go to Midland Bull Test.

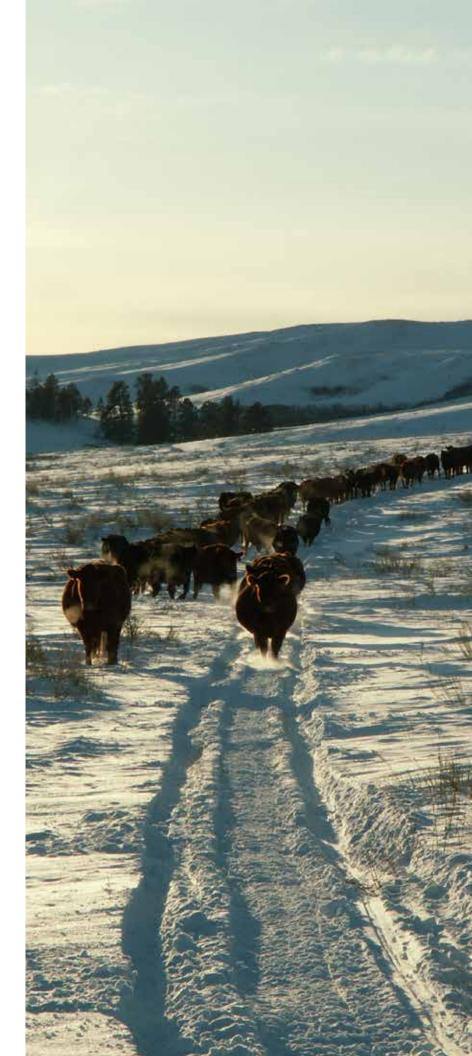
"So many of these breeds now have got to where they are kind of discouraging cross-breeding, but it's really hard to keep cattle fertile and keep them reproducing if you don't use heterosis and crossbreeding," Brown says. "These South Devons of course, anything you put them with doesn't have a lot of South Devon in it, so anything you cross them with, you're going to get heterosis there."

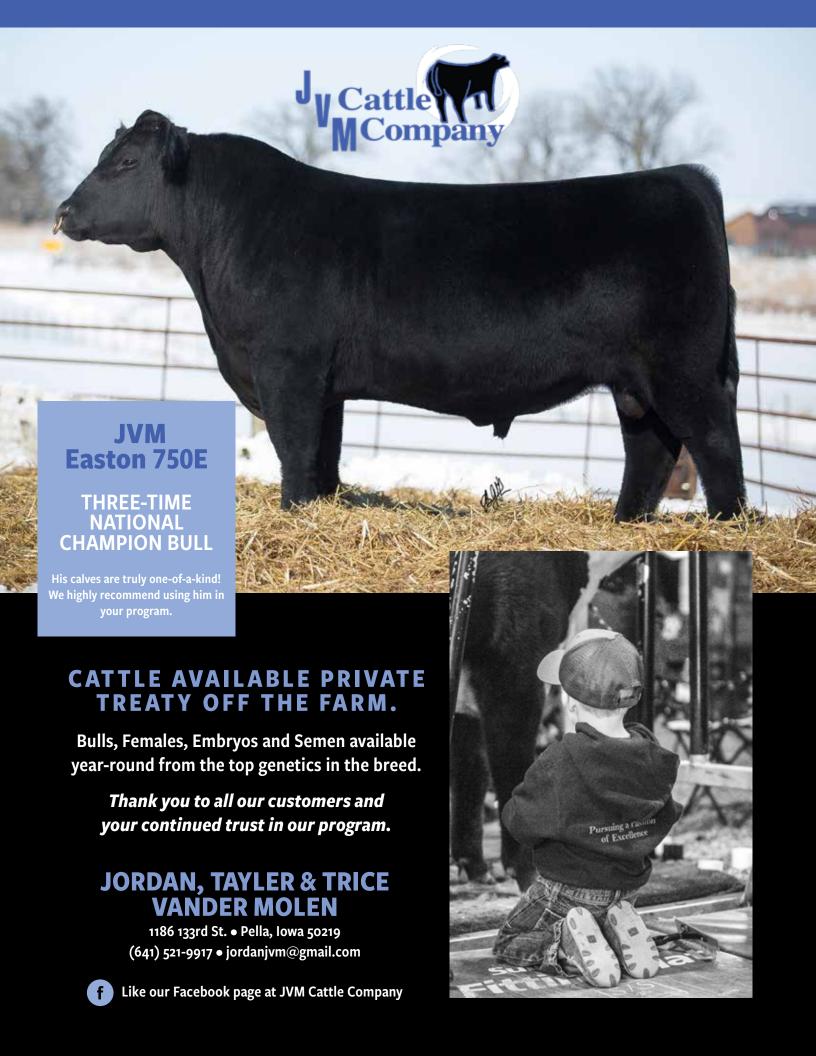
Brown credits the hybrid vigor with helping to build their customer base, it seems like just about every commercial outfit that has ever tried South Devon bulls usually comes back for more later, not to mention the large ranches like Leachman Cattle Company and Deseret Land and Livestock who have been incorporating the South Devon breed into their programs proves to Brown just what the breed has to offer.

"Leachman's is probably one of the biggest composite programs in the country and Deseret I think is the biggest commercial cattle outfit there is," Brown says. "There's a really good outfit in Canada that sells 500 to 600 bulls a year to the States and 300 a year to Canada and they've chosen to put South Devon in their composite program. Nichols sells a lot of bulls and now South Devon are a major component in a lot of their bull sales now, so they've been accepted by the big composite breeders in North America, really."

The breed seems to sell itself and Brown says that MJB Ranch's bull trade has been mostly developed by word of mouth and happy customers who have liked their results, told their colleagues and come back for more.

"We really feel fortunate to have gotten involved early with the South Devon breed, of all the breeds that we work with, we really like them the best," Brown says. *





RP Farms & Popken South Devon

Since 1984, the Popken family have been raising South Devon cattle on their farm in Swanville, Minnesota.

Growing up in eastern Nebraska, near Uehling, Robert 'Bob' Popken's family always raised and fed out beef cattle. In 1958, after getting married to Joyce, he started farming on his own. They had a small herd of beef cows, fed cattle and raised and fed hogs. In 1973, the family decided to purchase a 280-acre farm, consisting mostly of pasture in Swanville, Minnesota. The beef cows were moved to Minnesota and they purchased several cows and a Murray Gray cross bull from the previous owner.

"Our first exposure to South Devon cattle was from Bill Holmgren, who was using them as a 4-H project," said Joel Popken. Although unfamiliar with the breed at the time, they decided to purchase a South Devon bull to cross on their Hereford/Angus cows. We wanted to stay with an English breed, so my Dad went South Devon bull shopping, Joel said.

After looking at cattle at the 101 Ranch, owned by Bob O'Day and Angelina Ranch, owned by Ivan Girtz, a bull was purchased from the Angelina Ranch. Shortly, after purchasing the bull Girtz and a business partner asked us to join the North American South Devon Association, Joel said. "They ended up selling us another South Devon bull and buying the Angus bull we currently owned. This was in 1983. The first South Devon calves were born in 1984."

In 1985, a South Devon bull was purchased out of the Minnesota Bull Test, raised by Bill Holmgren. "We have bought a few females at various sales, but for the most part have raised our own," said loel.

Both Bob and Joel said they have always tried to get the best bulls that they could get. "We have purchased bulls from many of the top breeders, we have also used some home-raised bulls."

Heifers are artificially inseminated (AI) for calving ease and cows are AI'd focusing on genetics with a balanced set of Expected Progeny Differences (EPD's). "We focus on a moderate frame and good phenotype," said Joel.

The current herd of fifty cows, includes, both red and black. "When everyone was chasing black hides, we already had them," Joel said. "We try not to chase fads. When we select replacement females, we ignore color and select what we think is best," he said.

"I think that disposition is the best trait of the South Devon breed. That is what kept us with them," he added. All the other qualities, including high marbling and





Joel Popken talking with Rick McDouall, Kildare South Devons, Australia during the 2014 World South Devon tour.

carcass traits are a bonus. "You can't find a better breed of cattle to eat," said Joel. "This is where commercial operations can benefit from the breed, gentle cattle that cross with everything and have great eating qualities."

High gaining and efficient Popken South Devon cattle are popular at the local sale barn. Joe Varner, local sale barn owner said, I want to know when Popken South Devon calves are coming in, because I have buyers who specifically want to buy these calves. "It makes you feel good about your cattle," Joel said.

The Popken family has been involved with the Northern States South Devon Association since the very beginning. Both Bob and Joel have been serving on the board every year since it's inception in 1986. Joel has served on the North American South Devon Association Board of Directors for many years and has held leadership responsibilities, including president, vice president and treasurer. He has served on multiple committees and assisted with the National South Devon Show in Denver, Colorado, each year since 1995. Strong supporters of the South Devon youth programs, RP Farms and Popken South Devon have donated heifers to the junior program and have supported the junior shows and activities at the Minnesota Beef Expo, the annual Junior National and the national junior show and showmanship competition.

"The South Devon cattle, are great cattle and have great people involved with them," said Joel. "I have met many wonderful people and made really good friends through the breed, world-wide."

"I think that disposition is the best trait of the South Devon breed. That is what kept us with them."

Joel Popken RP Farms & Popken South Devon Swanville, Minnesota





Bob Popken showcasing the RP Farms and Popken South Devon herd during a Northern States South Devon Association tour.



Bob Popken talks with Northern States South Devon Association members during the annual summer field day.

2020 HALLMARK DAMS

The North American South Devon Association in continuing efforts to stress performance and productivity, recognizes the superior females of the breed, the Hallmark Dams. To identify these cows, emphasis was placed on early puberty, breeding, early calving and superior production over time. A Hallmark Dam is the standard by which all South Devon cows can be judged.

Hallmark Dams Criteria

- 1. Dams must have weaned a calf born since January 1, 2019.
- 2. Dams must be at least 50 percent South Devon and have had a minimum of three calves.
- 3. The maximum age for a dam to have had her first calf is 30 months of age.
- 4. A maximum calving interval of $395\ days$.
- 5. Every calf produced must have weaning records submitted.
- 6. A progeny average 205-day adjusted weaning weight ratio of at least 105.

The following list recognizes 91 South Devon cows bred and owned by 15 South Devon breeders. The first table lists each individual Hallmark Dam and her current owner. The table on page 19 shows the 55 sires of these distinguished dams, while the last table lists all breeders of these Hallmark Dams. Once a dam reaches this status she will continue to be recorded in the database as a Hallmark Dam.

Owner Dam's Name	No. Calves	Avg. 205-Ratio	Calving Interval	Owner Dam's Name	No. Calves	Avg. 205-Ratio	Calving Interval
BIG COUNTRY BEEF GENETICS, LODGE G	RASS.	мт		DLCC MANDI 55U (Fullblood)	11	111.1	363
BC SAMMY 5583C (1/2 Blood)	4	112.5	375	DLCC HARMONY 59T (Fullblood)	12	111.7	369
BC ROYALTY 4702B (Fullblood)	5	107.6	382	, ,			
				ELKINGTON BROS & SONS, IDAHO FALI		1007	
BILLIE G CULP, NEOSHO, MO		100 5	7.67	EBS MISS ELKER 1121 235D (Fullblood)	3	108.7	375
BGC H24C (1/2 Blood)	4	108.5	363	EBS MISS ELKER 1121 32D (Purebred)	3	106.3	370
BGC T4C (3/4 Blood)	4	107.5	356	EBS MISS ELKER 1121 372D (Fullblood)	3	105.0	357
BGC H25A (1/2 Blood)	6	106.0	361	EBS MISS ELKER 705T 221D (Fullblood)	3	108.0	381
BGC T48Z (3/4 Blood)	6	107.3	392	EBS MISS ELKER 1121 066C (Fullblood)	4	113.5	370
BGC T37Y (3/4 Blood)	7	109.3	363	EBS MISS ELKER 1121 069C (Purebred)	4	108.0	367
BGC T38Y(3/4 Blood)	7	105.4	364	EBS MISS ELKER 1121 880B (Purebred)	5	115.0	372
BGC T3Y(3/4 Blood)	8	106.5	365	EBS MISS ELKER 490Z (7/8 Blood)	7	105.9	368
DAHL LAND & CATTLE CO, GACKLE, ND				ABE AND RENEE FICK, MAIDEN ROCK, V	٧I		
DLC MISS SHILO 515 (Fullblood)	4	106.3	250	KNN 26B (3/4 Blood)	5	107.8	367
DLC MS ARIAT 594 (Fullblood)	4	105.0	252	IC FARM, MILACA, MN			
DLC MS HUDSON 434 (Purebred)	4	106.0	378	ICF LITTLE RED (Purebred)	4	106.8	362
DLC LEGEND LASS 423 (3/4 Blood)	5	105.0	280	ICF BLACK ONYX 3B (Fullblood)	5	106.6	364
DLC MR ROMEO 436 (Purebred)	5	105.3	267	JCI BLACK ON 1 X 3B (I dilblood)	5	100.0	304
DLC MS HUDSON 494 (Purebred)	5	109.0	275	JVM CATTLE COMPANY, PELLA, IA			
DLC SHILO LASS 305 (Fullblood)	6	106.6	279	JVM YANCY 001Y (Fullblood)	7	106.0	364
DLC LEGEND LASS 202 (3/4 Blood)	7	108.2	316	KNN FARMS, BAY CITY, WI			
DLC MISS LEGACY 020 (Fullblood)	8	107.9	375	KNN 14Z (3/4 Blood)	7	106.0	369
MJB ROCKETTE 9594W (Purebred)	9	111.2	373	KNN DAPHINE 30Z (Fullblood)	7	100.0	361
DLCC RANCH, PIERZ, MN				, ,			
CCN MONTANA DESTINY D108 (1/2 Blood	3) 3	110.3	384	MJB RANCH, LODGE GRASS, MT	7	1067	705
DF LA DI DA DA 0110D (Fullblood)	3	112.7	378	MJB CALICO 6526D (1/2 Blood)	3	106.3	395
DLCC DAVA 19D (1/2 Blood)	3	106.3	363	MJB RHIANNA 6583D (Purebred)	3	106.3	385
DLCC DORY 100D (1/2 Blood)	3	114.7	355	CIMARRON RAPTURE 505C (Fullblood)	4	113.5	386
DLCC LOOP 72D (Fullblood)	3	110.0	382	MJB AUSSIE 5654C (1/2 Blood)	4	110.0	375
DLCC ROSE 69D (Fullblood)	3	115.7	380	MJB CALLIE 5501C (Fullblood)	4	106.0	383
DLCC SYDNEY 73D (Fullblood)	3	110.0	366	MJB CORA 5598C (1/2 Blood)	4	111.8	374
DLC LEGEND LASS 414 (3/4 Blood)	5	108.6	354	MJB HUDSON 4709B (1/2 Blood)	4	111.5	382
DLCC BELLE 17B (1/2 Blood)	5	105.6	373	MJB BLACK DIAMOND 4560B (1/2 Blood		110.6	387
DLCC CLAIRE 12B (Fullblood)	5	107.4	367	MJB ROYALTY 4530B (3/4 Blood)	5	107.6	378
DLCC LOOP 19B (Fullblood)	5	106.8	362	MJB ARENA 3507A (3/4 Blood)	6	105.5	365
DLCC PERFECT 9A (Fullblood)	5	110.4	363	MJB LADY 3658A (Purebred)	6	110.2	381
DLCC PRECIOUS 39A (Fullblood)	6	106.2	374	CIMARRON DIVA 219Z (Fullblood)	7	108.0	378
DLCC TOPAZ 20Y (Purebred)	7	108.1	376	MJB SHEALAN 2534Z (7/8 Blood)	7	107.7	369
DLCC GRACIE 80Y (Fullblood)	8	109.0	373	MJB YURI 1666Y (Fullblood)	7	108.6	374
DLCC LILY 15Y (Purebred)	8	107.0	364	MJB JULIET 1629Y (7/8 Blood)	8	106.4	362
DLCC SIERRA 92Y (Fullblood)	8	113.3	365	MJB PERFECT 0582X (3/4 Blood)	9	105.4	367

2020 HALLMARK DAMS

Owner Dam's Name	No. Calves	Avg. 205-Ratio	Calving Interval	Owner Dam's Name	No. Calves	Avg. 205-Ratio	Calving Interval
NICHOLS FARMS LTD, BRIDGEWATER, IA	4			DIAMOND S DEVONS, SALEM, MO			
NFL NICHOLS DSC022 (Fullblood)	3	105.7	378	TC BERTH 423B (Fullblood)	5	105.8	373
MMM LADY B802 (Fullblood)	4	112.5	369	TC UNITY (Fullblood)	10	110.1	369
NFL BLACKBIRD DSC003 (1/2 Blood) NFL PERFECTION DSC069 (3/4 Blood)	4 4	111.5 107.0	369 364	TRIPLE CROWN SOUTH DEVON FARM, I	RUSSEL	•	
NFL PRIDE DSC011 (1/2 Blood)	4	112.0	360	TC DARLIN' 634D (Fullblood)	3	113.0	379
NICHOLS FAVOR Z918 (Fullblood)	5	106.4	371	TC CAMPBELL 523C (Fullblood)	4	110.8	369
NICHOLS PERFECTION Z915 (Fullblood)	5	109.2	377	TC BARBIE 430B (Fullblood)	5 6	153.2 113.5	370 366
NICHOLS PERFECTION Z922 (Fullblood)	5	117.2	369	TC ANN (Fullblood) CIMARRON SPLENDOR 241Z (Fullblood)	-	107.1	376
JOEL POPKEN, SWANVILLE, MN				TC ZONE (Fullblood)	7	106.3	368
JP ANNA 45A (Fullblood)	6	105.3	370	CIMARRON SULTRESS 152Y (Fullblood)	8	105.9	363
R P FARMS, SWANVILLE, MN				TC YEARN (Fullblood)	8	109.0	366
RP DUTCHESS 62D (Fullblood)	3	105.3	385	TC YES (Fullblood)	8	108.1	366
RP CLOVER 63C (Fullblood)	4	109.3	372				
RP WINCHESTER 95W (Fullblood)	10	106.2	368				

2020 HALLMARK SIRES

Sire's Name	Reg. Number	Percentage	No. Dams	Sire's Name	Reg. Number	Percentage	No. Dams
BC PROGRESS 315U	194458	(Fullblood)	6	DLC MR ROCK 41W	195881	(7/8 Blood)	1
DLC LEGACY 1121	200036	(Fullblood)	6	DLC THE ROCK 52	190752	(Fullblood)	1
DLC ROYAL LAD 1139	200031	(Fullblood)	4	DLCC BATTLECRY 27B	206340	(Fullblood)	1
MMM UNTOUCHABLE W810	199405	(Purebred)	4	DLCC CHANCE 52X	198753	(Purebred)	1
SBCC PRINCE O TANGO 7110	191891	(Purebred)	4	DLCC DODGE CITY 78Y	200720	(Purebred)	1
CIMARRON REBEL 941W	198091	(Purebred)	3	DLCC LAKOTA 99Y	200734	(Purebred)	1
DLCC HUDSON 82U	193574	(7/8 Blood)	3	DLCC MT DUNDEE 9Y	200727	(Fullblood)	1
DLCC WHIPLASH 1Y	199722	(Purebred)	3	DLCC OO LALA 62L	173690	(Purebred)	1
MJB LEGEND 338X	198128	(3/4 Blood)	3	DLCC POLLED PRO 111H	166186	(Fullblood)	1
MJB SHUR LOC 106S	188977	(Fullblood)	3	DLCC SHUR LOC 99W	196653	(7/8 Blood)	1
CIMARRON REBEL 738T	192356	(Purebred)	2	DLCC SURE THING TOO 119T	192106	(3/4 Blood)	1
CIMARRON SUPERIOR 442	125263	(Fullblood)	2	DLCC SURE-ENUF	174528	(Fullblood)	1
DLC SHILO LAD 1100	200083	(Fullblood)	2	DLCC YOSEMITE 44A	204577	(3/4 Blood)	1
GUM HILL RED 530	208776	(Fullblood)	2	EBS GUIDANCE 626U	195512	(Fullblood)	1
TC XPLOSION	198811	(Fullblood)	2	KNN KENO 28S	188557	(Purebred)	1
TC YADIER	200213	(Fullblood)	2	KNN RANGER 37T	193165	(Purebred)	1
TLC MR THOMPSON	201792	(3/4 Blood)	2	KNN UNDERDOG 32Z	202405	(Fullblood)	1
BC ARIAT 394A	203995	(Fullblood)	1	LCOC TRINITY JO64B	210338	(3/4 Blood)	1
BGC F37W	198522	(Fullblood)	1	LEACHMAN YOSEMITE X730Y	204573	(3/4 Blood)	1
CIMARRON CARUSO 923W	198943	(Fullblood)	1	MJB ROMEO 125R	185558	(Purebred)	1
CIMARRON CASSANOVA 23X	201045	(Fullblood)	1	MJB ROMEO 337Z	201824	(Purebred)	1
CIMARRON CRUSADER 312A	204465	(Fullblood)	1	MJB SWAGGER 330Z	201818	(Purebred)	1
CIMARRON FOREMOST 320A	204509	(Fullblood)	1	NFL NICHOLS PERFECTION A20	205189	(3/4 Blood)	1
CIMARRON MAVERICK 562R	186612	(Fullblood)	1	NICHOLS T800	194550	(Purebred)	1
CIMARRON REBEL 944W	198898	(Purebred)	1	NICHOLS T807	194557	(Fullblood)	1
CIMARRON TRIUMPH 705T	192390	(Fullblood)	1	SBCC NOBLE LEGEND 3141	178627	(Purebred)	1
DLC HUDSON LAD 017 DLC LEGACY 55	198434 190782	(7/8 Blood) (Purebred)	1 1	TC ULYSSES	194813	(Fullblood)	1

2020 HALLMARK BREEDERS

BIG COUNTRY BEEF GENETICS, LODGE GRASS, MT 2	KNN FARM
BOLLENBACH CATTLE COMPANY, KINGFISHER, OK 4	MJB RANCI
BILLIE G CULP, NEOSHO, MO7	CARROLL 8
DAHL LAND & CATTLE CO, GACKLE, ND10	NICHOLS F
DLCC RANCH, PIERZ, MN 17	JOEL POPK
ELKINGTON BROS & SONS, IDAHO FALLS, ID 8	R P FARMS,
MITCHEL FRANK, MILACA, MN 1	TRIPLE CRO
JC FARM, MILACA, MN1	TONY RON
JVM CATTLE COMPANY, PELLA, IA1	

KNN FARMS, BAY CITY, WI	3
MJB RANCH, LODGE GRASS, MT1	5
CARROLL & CAROLE NELSON, BIG TIMBER, MT1	
NICHOLS FARMS LTD, BRIDGEWATER, IA	4
OEL POPKEN, SWANVILLE, MN1	
R P FARMS, SWANVILLE, MN	3
TRIPLE CROWN SOUTH DEVON FARM, RUSSELLVILLE, MO S	9
TONY RONNIE ELEANOR BETTY MATT, CLINTON, NC 4	4

The Backbone of Our Future South Devon Juniors

ADVOCATES FOR THE BREED



2020 - Shelby Krebs, donated by Gnech Farms, Malin, OR



2019 - Levi Kramer, donated by Thompson Land & Cattle, Motley, MN



2018 - Adree Stapp, donated by DLCC Ranch, Pierz, MN & Scotchlands Farm, Armstrong, BC



2017 - Nicole Kibler, donated Bar E Cattle, Clinton, NC



2016 - Wyatt Lawrence, donated by DLCC Ranch, Pierz, MN



2015 - Saavy Weimer, donated by Dahl Land & Cattle Company, Gackle, ND



2014 - Katelyn Horner, donated by JVM Cattle Company, Pella, IA



2013 - Jacob Allen, donated by MJB Ranch, Lodgegrass, MT

Applications due Sept. 1, 2021

Heifer will be presented at the 2021 National Show in Billings, Montana

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PERCENTILE CHARTS

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	CED	BW	ww	YW	Milk	MWW	CEM	REA	MARB	FAT	CWT	DOC	STAY
5%	16.2	-2.9	78	119	24	56	7.9	0.63	0.3	-0.10	-9.8	21	22
10%	13.5	-2.0	73	110	21	53	6.6	0.59	0.2	-0.10	-12.6	16	21
15%	13.1	-1.0	73	107	20	52	5.9	0.52	0.2	-O.11	-20.3	15	20
20%	11.6	-0.4	70	103	19	51	5.5	0.47	0.2	-O.11	-21.3	12	20
25%	10.9	0.3	69	101	18	50	4.9	0.43	0.2	-O.11	-22.6	12	19
30%	10.1	0.5	68	99	18	49	4.3	0.41	0.2	-0.11	-24.2	12	18
35%	10	0.6	65	97	17	48	4	0.40	0.2	-0.12	-27.1	11	18
40%	9.7	1.1	62	94	16	46	3	0.38	0.1	-0.12	-28.6	11	18
45%	9.4	1.2	60	89	16	45	2.7	0.37	0.1	-0.12	-31.1	10	17
50%	8.8	1.7	58	85	15	44	2.4	0.35	0.1	-0.12	-33.2	10	17
55%	8.4	2.1	56	83	14	44	2	0.32	0.1	-0.12	-34.9	10	17
60%	8.1	2.3	55	81	14	43	1.9	0.31	0.1	-0.13	-36.5	10	16
65%	7.8	2.4	54	79	13	43	1.6	0.28	0.1	-0.13	-36.9	9	16
70%	7.3	2.5	53	76	13	41	1	0.25	0	-0.13	-38.8	9	16
75%	6.2	2.8	51	72	12	39	0.1	0.22	0	-0.13	-40.5	8	15
80%	5.7	3.3	50	71	11	38	-0.2	0.17	0	-0.14	-40.8	8	14
85%	4.9	3.9	47	62	8	35	-1.9	0.15	0	-0.14	-42.6	6	13
90%	4.2	4.4	42	59	3	33	-3.7	0.04	-0.1	-0.14	-43.6	4	11
95%	3.7	5.2	36	41	0	26	-4.5	-0.03	-0.1	-0.15	-51.7	-1	10

ALL DAMS

	CED	BW	ww	YW	Milk	MWW	CEM	REA	MARB	FAT	CWT	DOC	STAY
5%	13.8	-1.9	65	95	26	53	7.8	0.52	0.4	-0.01	23.7	13	19
10%	13	-1.2	61	87	23	49	6.9	0.45	0.3	-0.04	14.5	12	18
15%	12.4	-0.7	58	82	22	47	6.4	0.41	0.2	-0.06	4.7	11	17
20%	11.9	-0.2	55	77	21	45	6	0.38	0.2	-0.07	-4.1	10	16
25%	11.5	0.2	53	73	20	44	5.6	0.36	0.1	-0.09	-12.0	10	15
30%	11	0.6	51	69	19	42	5.1	0.34	0.1	-0.10	-18.2	9	14
35%	10.6	0.9	49	66	18	41	4.6	0.33	0.1	-O.11	-23.4	9	13
40%	10.1	1.2	47	62	18	40	4.2	0.32	0.1	-O.11	-27.9	9	12
45%	9.7	1.5	45	59	17	39	3.7	0.31	0.1	-0.12	-30.6	9	12
50%	9.3	1.8	43	56	16	38	3.3	0.3	0	-0.12	-33.4	8	11
55%	8.9	2.0	41	53	16	37	2.9	0.29	0	-0.13	-36.1	8	10
60%	8.5	2.4	40	50	15	36	2.4	0.28	0	-0.13	-38.1	8	10
65%	8	2.6	38	47	14	34	2	0.27	0	-0.13	-39.8	7	9
70%	7.6	3.0	36	44	13	33	1.6	0.26	0	-0.14	-41.5	7	8
75%	7.1	3.3	35	42	12	32	1.1	0.24	0	-0.14	-42.9	7	7
80%	6.6	3.7	33	39	11	31	0.6	0.22	0	-0.14	-44.1	6	6
85%	5.9	4.1	31	36	10	29	-0.1	0.19	0	-0.14	-45.3	6	5
90%	5	4.7	29	32	8	27	-1	0.14	0	-0.14	-46.8	6	4
95%	3.7	5.6	26	27	6	24	-2.4	0.04	-0.1	-0.15	-48.9	5	4

M			#11	CED	DW.	\A/\A/	VAL	N 4:11	MARA	CENT		CW		DEA
Name Rea#	DOB	%	#Herds #Dcalves	CED Acc	BW Acc	WW Acc	YW Acc	Milk Acc	MWW	CEM Acc	Marb Acc	CW Acc	Fat Acc	REA Acc
Color	H/P/S	70	Sire	7100	, (66	7100	Dam	7100		7100	7100	7100	7100	7100
Breeder						Owner(s)								
BC PRINCE 45I	D		5	4.8	4.2	50	62	13	38	-8.2	0.0	-43.5	-0.13	0.29
M185175	10/03/04	FB	16	.22	.53	.47	.48	.30	30	.23	.18	.34	.13	.31
RED	POLLED	. 5	DLC ROYAL LA		.55			ON SUNR	ISE 377	.20			0	.5.
BIG COUNTR	RY BEEF GENET	TICS LODGE GRA	SS MT			SHOWBO	DAT CATT	LE CO WI	NCHESTER	KS, TLC FAR	MS LLC EA	STON KS		
BC PROGRESS	315U		15	5.0	1.7	76	131	20	58	5.6	0.2	-21.5	-0.14	0.40
M194458	01/28/08	FB	235	.67	.83	.80	.77	.66		.57	.68	.71	.59	.69
BLK	POLLED		MJB ROMEO 12	5R			BC SASS	SY 6714S						
BIG COUNTR	RY BEEF GENET	TICS LODGE GRA	SS MT			TRIPLE M	INCORPO	DRATED C	LINTON NO	, BIG COUN	TRY BEEF (GENETICS	LODGE G	RASS MT
CIMARRON AV	/ENGER 135Y		4	4.0	3.7	68	98	10	44	-4.5	-0.1	-28.6	-0.12	0.31
M203209	03/09/11	FB	41	.30	.75	.69	.69	.41		.34	.24	.44	.18	.40
RED	POLLED	45.4.0.4.0.1.0.5.0.1	CIMARRON CA	RUSO 9	23W				NAH 538R					
		MPANY KINGFISH				•		E GRASS I						
CIMARRON BO			3	16.4	-2.3	46	60	18	41	6.0	0.1	-47.9	-0.13	0.22
M207638 RED	02/01/14 POLLED	FB	I CIMARRON BC	.38	.68	.61	.59	.24 ON DESIR	ור אדר ד	.27	.16	.37	.13	.32
		MPANY KINGFISH			201	MIRRANI		E GRASS I						
CIMARRON DI			3	5.0	3.3	69	96	18	52	-2.1	0.2	-31.2	-0.12	0.33
M207528	03/07/14	FB	2	.26	.69	.63	.60	.22	52	- 2.1 .24	.14	- 31.2 .40	- 0.12 .]]	.31
BLK	POLLED	10	CIMARRON CI			.03		.22 CINNAMO	N 50P	.2 1		. 10		.51
BOLLENBACI	H CATTLE COI	MPANY KINGFISH				MJB RAN	CHLODG	E GRASS I	MT					
CIMARRON D	/NAMO 812H		3	16.3	-4.6	27	33	27	40	4.1	0.0	-43.6	-0.11	0.02
M161435	02/07/98	FB	59	.31	.68	.61	.59	.42		.28	.20	.37	.14	.35
RED	SCURRED		SLF DUKE 404	2			CIMARR	ON MATE	ON 601F					
BOLLENBACI	H CATTLE COI	MPANY KINGFISH	IER OK			BURGES	S RANCHE	ES ECKERT	CO					
CIMARRON RE	BEL 738T		1	11.6	1.2	68	102	3	37	6.6	-0.1	-29.3	-0.14	0.56
PBM192356	02/22/07	PB	112	.24	.59	.50	.53	.41		.21	.19	.39	.19	.33
RED	POLLED	45.4.0.4.0.1.0.5.0.1	MJB ROUNDUF	208R				ON BELLE		_				
		MPANY KINGFISH						-	ON CITY MC					
CIMARRON RE			4	6.0	2.8	71	97	14	50	7.9	-0.1	-33.5	-0.14	0.56
PBM198091 BLK	02/17/09 POLLED	PB	101	.37	.66	.58	.59	.46	MATE 136L	.37	.30	.44	.25	.41
		MPANY KINGFISH	MJB ROUNDUF	ZUOR		MIRRANI				LS FARMS LT	D BRIDGE	Λ/ΔΤΕΡΙΔ		
CIMARRON SU		VII AIVI KIIVOI ISI	14	4.5	3.6	64	89	12	44	-3.2	0.2	-37.3	-0.12	0.26
M119261	03/27/92	FB	249	.35	.70	.65	.66	.56	44	- 3.2 .38	.30	- 37.3 .40	.23	.35
RED	POLLED	. 5	CIMARRON RU			.00		ON EMPR	ESS 871	.50	.50		.23	.55
BOLLENBACI	H CATTLE COI	MPANY KINGFISH	IER OK			DARLYNN	N CATTLE	COMPAN	Y PIERZ MN	l,				
						OREGON	SOUTH	DEVON C.	ATTLE CO N	MONUMENT	ΓOR			
CIMARRON SU	JPERIOR 380		6	8.1	2.3	47	70	21	44	0.6	0.2	-36.0	-0.12	0.04
PBM124174	09/17/93	PB	147	.41	.71	.69	.68	.47		.35	.20	.42	.20	.36
	POLLED		CIMARRON RU	ILER 815				ON EMPR	ESS 12					
BOLLENBACI	H CATTLE COI	MPANY KINGFISH	IER OK			MAR-BET	r farm pe	LLA IA						
CIMARRON SU			29	8.1	1.6	58	94	16	45	1.3	0.4	-36.7	-0.08	0.16
M125263	03/27/94	FB	991	.81	.88	.84	.85	.81	ET 075	.68	.69	.72	.63	.68
RED ROLLENBACI	POLLED	MPANY KINGFISH	CIMARRON RU	ILEK 815		\\/\\\\	CIMARR OHE LINC	ON SUNS	E1 955					
				16.3	7.5				70	4.0	0.0	F0.0	0.11	0.00
CIMARRON TF M192390	01/29/07	FB	7 121	16.2 .49	- 3.5 .74	25 .68	37 .70	25 .48	38	4.9 .39	0.2 .25	- 58.9 .45	-0.11 .19	-0.06 .38
BLK	POLLED	I D	CIMARRON BA					.40 ON LOLIT	A 521R	.39	.23	.45	.19	.30
		MPANY KINGFISH			12.10.10.					S ID, MJB RA	NCH LOD	GE GRASS	MT	
COTEAU BEAV	R SUNRISE 5	10	1	13.1	2.2	51	76	14	39	5.9	0.1	-25.5	-0.14	0.39
PBM203370		PB	5	.26	.59	.57	.56	.27		.23	.11	.34	.11	.30
RED	POLLED		HHSD BEAVER					J SUNRISE	85					
DIAMOND PL	LUS CATTLE G	ACKLE ND				DIAMON	ID PLUS C	ATTLE GA	CKLE ND					
COTEAU HAPI	PY DOC A510		1	4.9	6.3	44	59	21	43	0.7	0.1	-36.9	-0.13	0.32
PBM204817		PB	1	.15	.48	.48	.44	.16		.12	.10	.28	.10	.24
RED	POLLED		HAPPY HOLLO	W DOC				J SUNRISE						
DIAMOND PL	LUS CATTLE G	ACKLE ND				DIAMON	ID PLUS C	ATTLE GA	CKLE ND					

Name	DOB	%	# Herds #Dcalves	CED Acc	BW Acc	WW Acc	YW Acc	Milk Acc	MWW	CEM Acc	Marb Acc	CW Acc	Fat Acc	REA Acc
Reg# Color	H/P/S	/0	#Dcaives Sire	Acc	Acc	Acc	Dam	Acc		Acc	Acc	Acc	Acc	Acc
Breeder						Owner(s								
COTEAU SHUR	R LAD A032		1	10.1	0.4	56	78	18	46	2.0	0.1	-40.6	-0.13	0.50
PBM204884	02/23/13	РВ	2	.19	.49	.46	.46	.20		.17	.17	.32	.16	.27
RED	SCURRED		MJB SHUR LOC	1065			COTEA	U LADY X6	553					
DIAMOND PL	US CATTLE G	ACKLE ND				DIAMO	ND PLUS (CATTLE GA	CKLE ND					
DLC LEGACY L	AD 1148		1	9.1	1.1	50	75	20	45	1.6	0.1	-33.2	-0.12	0.25
PBM202196	05/23/12	PB	5	.17	.45	.45	.45	.22		.19	.16	.31	.13	.24
RED	POLLED		DLC LEGACY 5	5				S BLACK EN						
DAHL LAND 8	& CATTLE CO	GACKLE ND				DAHL LA	AND & CA	ATTLE CO C	SACKLE ND					
DLC MR BLACK			2	9.9	2.5	53	83	20	46	5.1	0.2	-24.2	-0.11	0.31
PBM212830	04/01/17	PB		.26	.61	.53	.49	.12		.17	.09	.33	.08	.28
BLK	POLLED	CACKLEND	MJB BLACKFO	JI 546C		MIDDAN		GEND LAS						
	& CATTLE CO	GACKLE ND		4.5		-		GE GRASS I			٠.	27.4	0.10	0.46
DLC MR SHILO M210079	04/23/16	FB	1 2	4.2 .19	4.3 .54	73 .54	1 09 .54	18 .21	54	- 4.4 .19	0.1 .17	- 23.4 .34	- 0.12 .15	0.46 .29
RED	POLLED	ГВ	DLC SHILO LA		.54	.54		.21 ISS HUDSC	N 112	.19	.17	.34	.13	.29
	& CATTLE CO	GACKLE ND	DEC 31 IIEO EA	31100		DAHLLA			SACKLE ND					
DLC MR SHILO			1	13.2	-2.6	50	75	18	43	5.5	0.1	-34.9	-0.13	0.18
M206719	05/17/14	FB	9	.26	.50	.50	.51	.25		.21	.16	.35	.15	.28
BLK	POLLED		DLC SHILO LA	O 1100			DLC M	S BLK LEGA	CY 260					
DAHL LAND 8	& CATTLE CO	GACKLE ND				DAHL LA	AND & CA	TTLE CO C	ACKLE ND					
DLC ROMEO L	AD 424		1	13.5	-0.7	56	83	19	48	7.3	0.1	-38.8	-0.12	0.38
M206747	05/13/14	FB	8	.29	.55	.52	.55	.23		.23	.18	.34	.16	.29
RED	POLLED		MJB ROMEO 3	37Z				S HUDSON						
DAHL LAND 8	& CATTLE CO	GACKLE ND				DAHL LA	AND & CA	ATTLE CO C	SACKLE ND					
DLC ROYAL LA			8	16.9	0.3	58	90	28	57	8.8	0.1	-28.3	-0.11	0.31
M200031	05/07/11	FB	121	.50	.78	.71	.70	.48		.42	.15	.44	.14	.39
RED	POLLED	CACKLEND	DLC BLACK LA	D 60W		FLICING		OCKETTE 8		CID DADIN	ALL CATT	E COL 4D4	NIV DIEDZ	
DAHL LAND 8	& CATTLE CO	GACKLE ND						S & SONS II GE GRASS I		.S ID, DARLY	NN CALL	E COMPA	NNY PIERZ	MIN,
DLC SHILO LAI	D 112		1	3.7	5.4	78	118	17	56	-1.9	0.1	-12.6	-0.12	0.39
M212810	04/17/17	FB	•	.16	.49	.47	.47	.16	30	-1 .9 .16	.16	.30	- 0.12 .14	.25
RED	SCURRED	10	DLC SHILO LA		.43	77		SS LEGACY	/ 317	.10	.10	.50	.1-7	.23
	& CATTLE CO	GACKLE ND	2200120 2.			DAHL LA			SACKLE ND					
DLCC BATTLEC	CRY 27B		9	9.7	1.1	50	70	20	45	2.3	0.2	-43.7	-0.13	0.35
M206340	03/26/14	FB	9	.22	.51	.46	.47	.21		.17	.20	.34	.14	.28
RED	POLLED		DLCC PATRIOT	51Y			DLCC 1	TOPAZ 20Y						
DARLYNN CA	TTLE COMPA	NY PIERZ MN				CARRO	LL & CAR	OLE NELSC	N BIG TIME	BER MT				
DLCC BELMON	IT 25B		7	8.8	1.2	73	114	17	53	2.1	0.1	-24.3	-0.11	0.32
M206413	03/24/14	FB	16	.24	.51	.47	.48	.30		.23	.27	.38	.22	.34
	POLLED		DLCC WHIPLA	SH 1Y				MANDI 2X						
LEAH GIESS P										E VALLEY SK				
DLCC BOLERO		D D	29	9.5	2.3	57	88	-7	22	4.3	0.0	-56.1	-0.11	-0.12
PBM118536 RED	03/21/92 POLLED	PB	176 LEACHMAN M	.68 D MONT	.76	.71	.71 FOXY L	.60		.49	.39	.48	.24	.44
	TTLE COMPA	NV DIER7 MNI	LEACHIVIANIVI	RIVIONI	ANA O/				V DIFR7 MN	I, MAPLE LE	ΔF ΔCRES	Ι ΙΤΤΙ Ε ΕΔ	IIIS MNI	
DLCC CADET 4		IVI I ILIXZ IVIIV	1	5.8	2.8	58	78	14	43	-0.2	0.3	-37.8	-0.10	0.24
PBM208409		PB	'	.23	.49	.45	.46	.18	43	- 0.2 .18	.25	- 37.6 .37	.20	.32
RED	POLLED	. 5	DLCC ADMIRA					MAMMY 46	SΑ	0	.20		.20	.52
LEAH GIESS F						DIAMO	ND PLUS	CATTLE GA	CKLE ND					
DLCC CHECKE	RS 12C		6	7.8	-0.5	52	82	13	39	1.0	0.3	-36.5	-0.11	0.22
M208860	03/17/15	FB	4	.24	.53	.49	.47	.17		.18	.19	.36	.15	.30
RED	POLLED		DLCC ADMIRA	L 12A			DLCC F	OPPY 1082	7_					
LEAH GIESS P	PIERZ MN					R P FARM	MS SWAN	VILLE MN						
DLCC COPY CA	AT 69C		5	10.1	1.8	65	104	12	45	1.8	0.2	-20.4	-0.12	0.35
M208807	04/09/15	FB	19	.25	.59	.55	.57	.29		.20	.21	.37	.17	.31
BLK	POLLED		DLCC DODGE	CITY 78	Y			TOPAZ 20Y				0===		
	TTLE COMPA	ny Pierz MN								I, LEACHMA				
DLCC COULEE		-	6	12.2	-1.6	60	83	15	45	3.2	0.3	-30.6	-0.10	0.11
M208805	06/01/15	FB	8	.28	.61	.56	.56	.28		.21	.26	.43	.20	.37
BLK	POLLED	NIV DIEDZ MANI	DLCC DODGE	CITY /8	ī	DADIVA		CLARE IX	V DIEDZ MAN		NI CATTI F	OF CO !	T COLLINIC	
DAKLY NIN CA	TTLE COMPA	INT PIEKZ IVIN				DAKLYN	IN CALIL	L CUIVIPAN	I FIEKZ MN	I, LEACHMA	AIN CALLE	OF COF	I COLLINS	

N			#11	CED	Dist	14047	\/\	p 4177	N AME OF THE STREET	CEL 1		CV	F .	DE4
Name Reg#	DOB	%	#Herds #Dcalves	CED Acc	BW Acc	WW Acc	YW Acc	Milk Acc	MWW	CEM Acc	Marb Acc	CW Acc	Fat Acc	REA Acc
Color Breeder	H/P/S	~	Sire	, 100	7.00	Owner(s	Dam	7.00		7.00	7.00	7.00	, 100	7.00
DLCC COWBO	OV 10 81C		13	11.5	-1.7	54	⁷	9	36	2.4	0.2	-36.8	-0.09	0.25
M208816	04/21/15	FB	6	.30	- 1.7 .61	.57	.59	.27	36	.20	.27	- 30.6 .42	.19	.33
RED	POLLED	, ,	DLCC DODG			.57		, KATARINA	.67Z	.20	,		.13	.55
DARLYNN C		ANY PIERZ MN				LEACHN			FT COLLIN	IS CO, DAR	LYNN CATT	LE COMP.	ANY PIERZ	MN
DLCC CROSS	FIRE 67C		1	8.8	2.5	74	108	16	53	2.9	0.2	-10.5	-0.12	0.27
M208406	04/09/15	FB	8	.23	.56	.53	.56	.29		.21	.20	.40	.15	.32
RED	POLLED		DLCC DODG	E CITY 78	SY		DLCC	CLAIRE 50	W					
LANE GIESS	PIERZ MN					DAHL LA	AND & CA	ATTLE CO	GACKLE NE), DARLYNN	N CATTLE C	YNAPMC	PIERZ MN	
DLCC DEBUT	88D		2	10.9	0.2	69	99	10	44	2.5	0.5	-22.6	-0.10	0.18
M210912	04/12/16	FB		.25	.62	.58	.55	.23		.20	.28	.39	.20	.34
BLK	POLLED		DLCC DODG	E CITY 78	SY			BINDI 71X						
		ANY PIERZ MN							NY PIERZ MI					
DLCC DERBY			8	10.1	1.0	65	83	17	49	1.9	0.2	-40.5	-0.11	0.37
M210507	04/02/16	FB		.20	.62	.54	.51	.20	.,	.16	.17	.32	.14	.29
RED	POLLED	ANY PIERZ MN	DLCC DODG	ECHY/8	ΣΥ	DADIVN		TOPAZ 20'	Y NY PIERZ MI	NI.				
		AINT FILIZ IVIIN			0.6						0.7	21.7	0.10	0.15
PBM200720		PB	8 43	11.1 .42	0.6 .73	66 .70	94 .70	3 .45	35	3.3 .34	0.3 .33	- 21.3 .58	-0.10 .22	0.15 .44
BLK	POLLED	10	SBCC WOMA			.70		PERFECT E	NUF 28W	.54	.55	.50	.22	.++
LANE GIESS			SECC VVOIVIA		<i>-</i>	LEACHN			D FT COLLIN	IS CO. DAR	LYNN CATT	LE COMP.	ANY PIER7	MN
DLCC PATRIC			13	8.2	1.0	55	75	16	44	1.9	0.0	-40.4	-0.13	0.46
PBM200723		PB	40	.31	.61	.60	.58	.35	• •	.30	.28	.41	.20	.35
RED	POLLED		DLCC SHUR L	OC 99W			DLCC	GEMMA 10)4W					
LANE GIESS	PIERZ MN					MJB RAN	NCH LOD	GE GRASS	MT					
DLCC STOCK	MAN 39C		4	12.4	1.0	80	119	8	48	6.4	0.2	-10.1	-0.11	0.41
PBM207902	03/27/15	PB	5	.24	.55	.51	.52	.25		.19	.18	.37	.19	.31
BLK	POLLED		MMM UNTO	JCHABLE	W810		DLCC	PROMISE 4	40U					
LANE GIESS	PIERZ MN								.E CO CRAN VILLE KS, DA			-		1BERLY ID,
DLCC TWO S	Γ F P 84B		13	1.3	5.2	71	101	13	48	-4.9	-0.3	-43.3	-0.15	0.62
PBM205508		PB	28	.26	.59	.58	.56	.33		.21	.29	.42	.22	.36
RED	POLLED		DLCC SHUR L	OC 99W			DLCC	DANCER 14	41T					
LANE GIESS	PIERZ MN					DARLYN	IN CATTL	E COMPA	NY PIERZ MI	Ν				
DLCC WHIPL	ASH 1Y		21	7.8	0.0	54	81	16	43	-2.6	0.0	-41.0	-0.10	-0.25
PBM199722	01/01/11	PB	94	.52	.76	.72	.70	.52		.40	.62	.67	.53	.63
BLK	POLLED		DLCC SURE T	HING TO	O 119T			DANCER 14						
LANE GIESS									TE PIERZ MI	,		OMPANY		
EBS ELKER 112			1	8.6	2.3	57	79	14	43	2.0	0.0	-41.3	-0.13	0.40
M203524	03/03/13	FB	8	.20	.52	.47	.50	.22		.17	.17	.37	.17	.31
RED	POLLED	S IDAHO FALLS ID	DLC LEGACY	1121		EL VINICT		A 507T	IDAHO FAL	ISID				
		SIDALIOTALLSID	1	14.0	2.0			13	34		0.3	42.5	0.11	0.17
EBS ELKER 52 M201500	. 32 03/21/12	FB	4	14.8 .29	- 2.9 .57	42 .50	61 .53	.22	34	4.6 .23	0.2 .23	- 42.5 .36	-0.11 .16	0.13 .31
BLK	POLLED	10	CIMARRON T			.50		ARTHA 97.	5W	.23	.23	.50	.10	.51
		S IDAHO FALLS ID	C			ELKINGT			IDAHO FAL	LS ID				
FJH UNCLE SA			7	12.3	2.8	53	78	11	37	3.5	0.0	-38.1	-0.14	0.30
M91612	03/15/86	FB	50	.24	.52	.48	.50	.38		.24	.10	.25	.11	.22
MXD	POLLED		TURBO				LEACH	MAN JH S	837					
LEACHMAN	CATTLE CO E	BILLINGS MT				LAWREN	NCE F & D	ONNA M	ACIEJ SWAN	VILLE MN				
GUM HILL RE	D 530		9	8.3	4.1	55	69	13	41	2.4	0.0	-33.9	-0.15	0.15
M208776	03/17/09	FB	48	.20	.58	.57	.58	.33		.21	.14	.36	.13	.29
RED	POLLED		GUM HILL B4	1			GUM H	HILL Y046						
JVM FLYNN 85	53F		2	10.7	-0.4	56	83	24	51	4.9	0.1	-22.3	-0.11	0.37
PBM214382	03/20/18	PB		.17	.53	.46	.41	.13		.12	.14	.29	.12	.24
BLK	POLLED		MJB DILLON 6	89D				AVY 2019B						
-	COMPANY P	ELLA IA				•		MPANY PE						
KNN RANGER			8	10.8	-2.0	38	53	13	32	7.6	0.1	-43.1	-0.12	-0.03
PBM193165	05/17/07	PB	102	.36	.67	.62	.59	.44	ICED 3ED	.28	.16	.39	.14	.33
BLK KNN FARMS	POLLED BAY CITY WI		DLCC OPEN F	KAINGE SI	τ.	KVIVI EVL	KNN R RMS BAY	UBEE DAN	ICEK 25K					
VINIA LAKINIS	DAI CILI WI					NIN FAI	VIVIO DAY	CIII VVI						

Name															
No. No.		DOD	0/							MWW					
NAME	9		70		Acc	Acc	Acc		Acc		Acc	Acc	Acc	Acc	Acc
Migham M		11/1/3		Sirc			Owner(s								
Migham M	KNINI WALKED:	24		2	0.4	0.5	F0	71	14	70	2.2	0.1	42.6	0.11	0.02
BILE POLICE POL			FR							39					
Manifementary			10			.50	.43			,	.22	.23	.50	.20	.32
MR POULE POUL POUL POUL				2200 111 2			KNN FA								
MR POULE POUL POUL POULE POULE POULE POULE POULE POULE POULE POULE POULE POU	LEACHMAN AT	TOMIC 9360F	:	6	5.7	2.4	43	62	12	33	-0.1	0.0	-39.2	-0.14	0.35
Marchand Marchand															
MISHATO FOLICE	RED	POLLED		LEACHMAN FU	JLLCHA	RGE 907	'A	HLF RII	DEAN 290R						
MIREA	LEACHMAN	CATTLE CO BII	LLINGS MT				LEACH	MAN CAT	TLE CO BIL	_INGS MT, I	MAR-BET F.	ARM PELLA	IA		
Majoral Majo	LEACHMAN L-	7 51B		9	4.4	5.7	53	72	0	26	-3.9	0.0	-20.6	-0.14	0.43
MBIANCA Value May May	M118420	03/10/92	FB		.41	.73	.69				.36	.27	.43	.24	.42
Mightan				L-7 455Z											
PATION			RESTIL												
MB BLANCE 100	-									50					
Mg Black V			РВ				.61				.52	.45	.51	.52	.48
M3			MT	IVIIVIIVI OIN I OO	CHADLE	. 0000	NICHOL	•		Ε\Λ/ΔΤΕΡΙΔ	MIRRANI	CHIODGE	GRASS M	т	
Migranors	-			2	7.1	0.5					-				0.35
BILK POLICE MR	•		FB							30					
Mg BlACK S				•										-	
POLICE MIN	MJB RANCH L	ODGE GRASS	MT				MJB RAI	•		MT					
Might Policia Might Mi	MJB BLACKFO	OT 546C		3	11.6	-0.3	67	104	18	51	8.5	0.2	-17.2	-0.11	0.43
MB COOL 548 70	PBM208539	03/03/15	PB	14	.33	.64	.59	.58	.27		.27	.21	.37	.17	.33
Mile				MMM UNTOU	CHABLE	E W810		, ,							
M2O854	MJB RANCH L	ODGE GRASS	SMT				DAHL L	AND & CA	ATTLE CO C	SACKLE ND)				
Mig COUNTY	•			2						50					
Mijs Countries			FB	1 41D C14 44 C C E E		.52	.47				.22	.18	.34	.19	.29
Mg			: MT	MJB SWAGGER	K 55UZ		MISSOI	-		COCDANI	E V/ALLEV S	K CANADA			
PBMZ08533	-		7 1 1 1		17	7 0								0.17	0.07
Mighan	•		PR							33					
MjB DILLON 689			10	•			.00				.52	.00	.00	.55	.00
M20990	MJB RANCH L		MT				MJB RAI	-		MT					
Migror	MJB DILLON 68	39D		7	7.9	2.7	78	118	20	59	5.2	0.1	-7.9	-0.13	0.63
MjB RANCH December Decem	M209901	03/07/16	FB	2	.22	.55	.48	.43	.20		.19	.20	.35	.13	.28
MjB EXTRA 7	BLK	POLLED		MJB SWAGGEF	R 330Z			,							
M3	MJB RANCH L	ODGE GRASS	MT				•					IPANY PELL	A IA,		
M212167											,				
BLK POLLED MJB SHUR LOTIGE GRASSITE MJB SHUR LOTIGE GRASSITE MJB SHUR LOTIGE GRASSITE MJB MJR MARK MJR	•			2						44					
MJB SHUR LO⊂IOS 150 161 162 172 180 7.2 1.8 53 8.1 15 41 2.4 0.2 1.5 1.7 0.13 0.50 1.8 1.8 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4			FR	MIR COLINITO			.58				.24	.29	.40	.27	.5/
MB SHUR LOC SE			MT	NIJB COONTR	COOL	333C	MIRRAI	,		МТ					
PIB8977	-			17	72	1.8	,				2.4	0.2	-51.7	-0.13	0.50
RED	•		FB							7.					
MIB RANCH S										OP					
PBM201818	MJB RANCH L		MT				MJB RAI				NN CATTLE	COMPAN	PIERZ MI	N	
BLK	MJB SWAGGER	330Z		4	9.8	0.5	59	93	13	43	4.0	0.0	-20.5	-0.13	0.59
MJB RANCH LODGE GRASS WT O.0.1 1.5 0.43 N.0.1 0.43 MJB M M W N TO WE AND WE	PBM201818	03/04/12	PB	47	.35	.77	.73	.71	.42		.35	.25	.45	.23	.42
MMM UNTO U				MMM UNTOU	CHABLE	W810		-							
PBM199405 PBM27709 PB 289 .56 .82 .78 .77 .62 .51 .51 .35 .56 .34 .49 BLK	-						,								
BLK POLLED DLCC ASTOUR 488 > 588 ABVER CREEK BRANDY CREEK BY AND CR										51					
TRIPLE MINCOPPORATED CLINTON NO. NFL BLACK JACK V DSD051 1 7.3 1.3 60 101 24 54 3.0 0.1 -36.5 -0.14 0.62 M210781 03/30/16 FB .33 .65 .59 .56 .16 .24 .29 .38 .19 .35 BLK POLLED MJB BLACK JACK 4248 NICHOLS FARWS LTD BRIDGEWATER IA 9 133 8 53 8.2 0.2 -2.6 -0.12 0.47 PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U V .10 .33 .40 .51 .34 .47			ЬВ			.82	./8			O.I	.51	.35	.56	.34	.49
NFL BLACK JACK DSD051 1 7.3 1.3 60 101 24 54 3.0 0.1 -36.5 -0.14 0.62 M210781 03/30/16 BLK FB .33 .65 .59 .56 .16 .24 .29 .38 .19 .35 BLK POLLED MJB BLACK JACK 4248 NICHOLS FARMS LTD BRIDGEWATER IA 8.2 0.2 -2.6 -0.12 0.47 PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U SEVENCES SISUS NICHOLS BEVERLY SEVENCES SISUS .40 .51 .47 .47			CLINTON NC	DLCC ASTOUI	ND 403		TRIPI F I			,	C MIRRAN	ICH I ODGE	GRASSM	1T	
M210781 03/30/16 FB .33 .65 .59 .56 .16 .24 .29 .38 .19 .35 BLK POLLED MJB BLACK JACK 424B NFL CHELSEA DSB013 NICHOLS FARMS LTD BRIDGEWATER IA NICHOLS FARMS LTD BRIDGEWATER IA NICHOLS FARMS LTD BRIDGEWATER IA NFL PROGRESS DSB014 3 7.5 2.4 89 133 8 53 8.2 0.2 -2.6 -0.12 0.47 PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U SISC PROGRESS 315U NICHOLS BEVERLY NICHOLS BEVERLY NICHOLS BEVERLY NICHOLS BEVERLY			22.1110.1110	1	73	1 7					-				0.62
BLK POLLED MJB BLACK JACK 424B NFL PROGRESS DSB013 NICHOLS FARMS LTD BRIDGEWATER IA NICHOLS FARMS LTD BRIDGEWATER IA NFL PROGRESS DSB014 3 7.5 2.4 89 133 8 53 8.2 0.2 -2.6 -0.12 0.47 PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U V NICHOLS BEVERLY V V .47			FB	•						J -					
NICHOLS FARMS LTD BRIDGEWATER IA NFL PROGRESS DSB014 3 7.5 2.4 89 133 8 53 8.2 0.2 -2.6 -0.12 0.47 PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U SI PROGRESS 315U NICHOLS BEVERLY SEVERLY SEVERL			_	MJB BLACK IAC			.55			3013			.50		.55
PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U NICHOLS BEVERLY			GEWATER IA				NICHOL				١				
PBM206246 03/28/14 PB 15 .47 .74 .69 .66 .31 .33 .40 .51 .34 .47 BLK POLLED BC PROGRESS 315U NICHOLS BEVERLY	NFL PROGRES	S DSB014		3	7.5	2.4	89	133	8	53	8.2	0.2	-2.6	-0.12	0.47
	PBM206246	03/28/14	PB		.47	.74	.69	.66	.31				.51	.34	
NICHOLS FARMS LTD BRIDGEWATER IA NICHOLS FARMS LTD BRIDGEWATER IA				BC PROGRESS	315U										
	NICHOLS FAF	RMS LTD BRID	GEWATER IA				NICHOL	_S FARMS	LTD BRIDG	EWATER IA	1				

M			#11	CED	Dist	VACAL	VIII	N 4:11	MARK	CEN 4		Chi	F .	DE 4
Name Reg#	DOB	%	# Herds #Dcalves	CED Acc	BW Acc	WW Acc	YW Acc	Milk Acc	MWW	CEM Acc	Marb Acc	CW Acc	Fat Acc	REA Acc
Color	H/P/S	70	Sire	7100	7100	7100	Dam	7100		7100	7100	7100	7100	7100
Breeder						Owner(s)								
NFL UNTOUC	HABLE DSCO	42	1	10.0	1.8	85	132	13	55	6.6	0.3	-0.6	-0.11	0.42
M208337	03/21/15	FB	6	.29	.55	.47	.48	.23		.24	.23	.37	.19	.33
BLK	POLLED		MMM UNTOU	CHABLE	W810				TION Z909					
	RMS LTD BRID	GEWATER IA							EWATER IA					
NICHOLS DS A		ED	1	7.7	2.8	72	97	33	68	4.3	0.2	-28.3	- 0.13	0.25
M205909 BLK	11/12/13 POLLED	FB	5 NICHOLS T807	.21	.61	.53	.54	.22 ERFECTIO	N YQ23	.19	.16	.37	.17	.31
	ORPORATED	CLINTON NC	NICHOLS 1007			NICHOLS			EWATER IA					
NICHOLS MAJ			2	8.8	3.9	92	124	0	46	-0.2	0.2	-6.9	-0.08	0.61
M203588	10/22/11	FB	38	.34	.69	.61	.62	.35		.29	.24	.45	.16	.39
BLK	POLLED		NICHOLS P820				NICHOL							
TRIPLE M INC	ORPORATED	CLINTON NC				NICHOLS	S FARMS L	TD BRIDG	EWATER IA					
PRAIRIE FIELD			8	18.0	-1.0	28	41	14	28	4.3	0.0	-54.9	-0.13	0.15
PBMI30706 BLK	02/14/96 POLLED	PB	113 CIMARRON UL	.53	.76	.70	.68 A 420[.49		.39	.21	.39	.19	.34
	AIRIE CATTLE	COHAYSKS	CIIVIARRONUL	IIIVIAIL	3/3	FOURIR	, ,		MJB RANCH	LODGE GR	ASS MT			
RP YAHTZEE 7			2	13.5	-2.9	50	72	16	41	5.9	0.2	-31.1	-0.10	0.17
PBM199929	04/07/11	PB	25	.28	.60	.54	.52	.33	••	.26	.18	.39	.18	.31
BLK	POLLED		DLCC OPEN RA	NGE 3R	:		RP PASS	SION 73P						
R P FARMS SV	VANVILLE MN					R P FARM	IS SWAN\	/ILLE MN						
SBCC WINCHE			5	8.7	2.9	70	101	7	42	-4.6	0.1	-21.3	-0.12	0.51
PBM197181	04/12/09	PB	44	.46	.59	.52	.48	.36	270014	.25	.17	.35	.11	.32
RED	POLLED		DLC ROYAL LA	D 21		SHOWR	,	ONSHINE	NCHESTER	KS MIRRAN	JCH I ODG	F GRASS	MT	
SCC MELBOUI	NF ID		2	5.4	5.0	69	97	14	49	0.2	0.0	-27.1	-0.14	0.38
M209763	03/14/16	FB	1	.17	.49	.45	.40	.15	73	.13	.13	.28	.12	.26
RED	POLLED		GUM HILL RED	530			SCC MIS	SS DIXIE 4	A					
SADLER CAT	TLE COMPAN	Y ANOKA MN							IY PIERZ MN	, SADLER C	ATTLE COI	MPANY A	NOKA MN	,
							1S SWAN\	,						
TASSEL L7 226		ED.	1	3.5	4.4	36	39	3	21	-3.7	0.0	-27.2	-0.14	0.31
M126836 RED	04/01/94 POLLED	FB	100 LEACHMAN L-7	.28 7 51B	.59	.50	.51	.40 MAN DEVO	ONAIRE B90	.28 27	.22	.36	.14	.32
	CATTLE CO BI	LLINGS MT	LEACH IIVIAINE-	SID		SALT LAK			STRATHCL					
TC BUCKARO	O 412B		1	10.0	2.1	70	103	-17	18	4.2	-0.5	-40.8	-0.15	0.89
M206540	02/03/14	FB	29	.43	.63	.57	.54	.31		.22	.43	.52	.35	.49
RED	POLLED		CIMARRON BC	NANZA	174L		TC WEN							
		EVON FARM RUSS							ON FARM F	RUSSELLVILI	_E MO			
TC CASSANO\			1	16.2	-4.4	52	72	22	48	5.8	0.1	-40.7	-0.09	0.41
M208380 RED	02/13/15 POLLED	FB	3 CIMARRON FO	.41 DEMOS	.63 T 320A	.55	.53 TC LIDE	.24 DERLY PERI	FECT	.26	.35	.46	.35	.41
		EVON FARM RUSS		KLIVIOS	1 3207				/ON FARM F	RUSSELLVILI	_E MO			
TLC DEETZ 90			6	8.8	2.3	70	96	18	52	2.8	0.1	-20.3	-0.12	0.41
PBM197870	05/01/09	РВ	14	.20	.55	.50	.50	.27		.19	.10	.31	.11	.28
BLK	SCURRED		TLC AUGUSTU	S 22			LCC DE	VONAIRE	MR022					
THOMPSON	LAND & CATT	LE CO. MOTLEY N	MN			HILL CRE	ST SOUT	H DEVON	S GRINNELL	IA, THOMP	SON LANE	& CATT	LE CO. MC	TLEY MN
X-E DEPUTY D			5	8.4	2.1	62	85	16	47	-0.2	0.1	-35.9	-0.13	0.35
M211556 RED	02/07/16 POLLED	FB	5	.16	.56	.54	.53	.18 S LEO W90	00	.14	.17	.33	.14	.28
	ANCH MOSES	I AKF WA	GUM HILL RED	550		DARIYNI			Jo IY PIERZ MN					
X-E MR WRAN			1	6.5	5.0	73	102	14	50	-0.8	0.1	-33.2	-0.13	0.52
M204961	02/14/13	FB	5	.18	.43	.49	.47	.21		.17	.16	.33	.14	.26
RED	POLLED		BC WRANGLER	8 357W			XE MISS	PRINCE T	713					
X-E STOCK R	ANCH MOSES	LAKE WA				X-E STO	CK RANCH	H MOSES L	_AKE WA					
X-E ROCK P29			2	9.7	1.3	55	84	19	46	2.0	0.0	-32.8	-0.12	0.28
PBM181098	01/30/04	PB	154 SDCC 0107	.35	.72	.69	.71	.54		.42	.19	.42	.09	.38
RED X-E STOCK R	POLLED ANCH MOSES	I AKE WA	SBCC 8103			DAHLLA		BER M296	GACKLE ND					
7-L 310CK K	MINCH HIVIOGES	LAINE VVA				DALIE LA	IND & CA		JACINEL IND					





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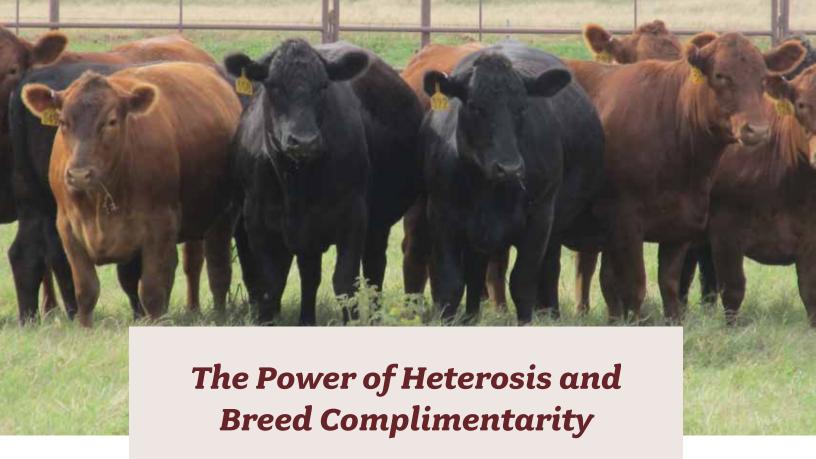
BULLS WILL BE BSE TESTED AND ULTRASOUND DATA WILL BE COLLECTED. HIDDEN PARADISE RANCH- DEVIN: 715,271.5018 CATTLE LOCATED @ S8020 HILLVIEW RD. EAU CLAIRE, WI

2020 SIRE SUMMARY - GENETIC INDICATOR LISTING

Name			#Herds	CED	BW	ww	YW	Milk	MWW	CEM	Marb	CW	Fat	REA
Reg#	DOB	%	#Dcalves	Acc	Acc	Acc	Acc	Acc		Acc	Acc	Acc	Acc	Acc
Color	H/P/S		Sire				Dam							
Breeder						Owner(s	;)							
BC DUKE 71D			2	14.4	-0.1	57	86	22	51	7.0	0.1	-34.3	-0.12	0.30
M211779	08/30/16	FB		.22	.42	.37	.35	.21		.19	.16	.28	.15	.26
RED	POLLED		DLC ROYAL LA	AD 1139			BC SH	ERIDAN 68	66S					
BIG COUNTR	Y BEEF GENE	TICS LODGE GRAS	SS MT			BIG COU	JNTRY BI	EEF GENET	ICS LODGE	GRASS MT				
BGC P2E			1	9.4	1.2	70	95	16	51	2.6	0.1	-23.4	-0.11	0.44
PBM212550	02/27/17	PB		.13	.41	.35	.34	.12		.10	.05	.24	.05	.21
RED	POLLED		TLC DEETZ 90	112			BGC S							
	P NEOSHO M	3						EOSHO MC						
DLC BLACKFO		ED.	1	12.6	0.0	56 77	83	17	45	6.0	0.1	-31.3	-0.12	0.39
M214210 BLK	04/20/18 POLLED	FB	MID DI ACKEO	.21 Ot 5460	.38	.37	.36	.14	1.406	.16	.09	.26	.07	.23
	& CATTLE CO	CVCKLEVID	MJB BLACKFO	O1 5460	-	DVHI I		IS HUDSON	N 406 GACKLE ND					
DLC MR BLACH		OACKEE ND	1	8.3	1.6	70	103	20	55	3.0	0.1	-25.4	-0.12	0.53
PBM212837	05/03/17	PB	1	.17	.41	.43	.40	.13	33	.14	0.1 .09	- 25.4 .26	- 0.12 .07	.22
BLK	POLLED	10	MIB BLACKFO			.43		.io IS HUDSO1	V 439	.14	.03	.20	.07	.22
	& CATTLE CO	GACKLE ND	MJD DE TEITI O	013100	-	REED ZII		AN NAPOL						
DLC MR ROME			1	9.2	0.5	56	89	21	49	2.3	0.1	-28.4	-0.12	0.30
M210097	04/11/16	FB	•	.17	.41	.37	.38	.18	.5	.15	.18	.30	.15	.26
RED	POLLED		MJB ROMEO 3	37Z				UDSON LA	SS 216					
DAHL LAND (& CATTLE CO	GACKLE ND	-			DIAMO	ND PLUS	CATTLE G	ACKLE ND					
DLC RIDER 510	0		1	3.5	2.2	61	84	15	46	-1.9	0.2	-25.3	-0.12	0.23
PBM208061	03/25/15	PB		.20	.41	.38	.40	.14		.15	.15	.28	.13	.25
BLK	POLLED		KNN RYDER 14	١.			DLC M	IISS LEGEN	D 312					
DAHL LAND (& CATTLE CO	GACKLE ND				DAHL LA	AND & CA	ATTLE CO	GACKLE ND)				
DLC SHILO 511	5		2	9.0	0.3	57	86	14	42	0.9	0.2	-41.2	-0.11	0.36
M208011	04/12/15	FB	3	.17	.41.	38	.39	.20		.16	.17	.31	.14	.28
RED	POLLED		DLC SHILO LA	D 1100				IS BLK HUD	SON 075					
	& CATTLE CO	GACKLE ND				,	1 MILACA							
DLC SHILO LA			1	7.4	2.0	57	86	17	45	0.0	0.1	-32.0	-0.12	0.27
M212784	04/09/17	FB	DI CCI III O I A	.16	.42	.39	.38	.19		.16	.16	.29	.14	.25
BLK	SCURRED & CATTLE CO	CACKLEND	DLC SHILO LA	טווטט				IS BLK HUD	GACKLE ND					
DLC SHILO LA		GACKLE ND		0.7	1.0						0.1	27.5	0.17	0.21
M208001	04/15/15	FB	1	8.3 .17	1.8 .40	59 .37	91 .39	19 .21	48	0.4 .17	0.1 .16	-27.5 .29	-0.13 .12	0.21 .24
RED	SCURRED	10	DLC SHILO LA		.40	.51		.21 IS ROCKET	TF 001	.17	.10	.23	.12	.24
	& CATTLE CO	GACKLE ND	5200120 23	2		DIAMO		CATTLE G						
DLCC CRACKE	R IACK 79C		1	13.6	-2.5	51	71	12	38	5.5	0.3	-26.5	-0.09	-0.07
PBM208854	-	PB	-	.21	.42	.37	.38	.22		.18	.20	.32	.17	.29
BLK	POLLED		DLCC DODGE	CITY 78	SY		DLCC	BISCUIT 10	4X					
LEAH GIESS F	PIERZ MN					AARON	J MILLER	SWANVILL	E MN					
DLCC ENERGIZ	ZER 87E		1	6.4	3.6	64	94	13	45	-0.1	0.3	-26.1	-0.10	0.30
M213025	04/09/17	FB		.18	.46	.42	.41	.13		.14	.16	.28	.14	.25
RED	POLLED		DLCC MANHA	TTAN 33	3Z			POPPY 108						
LEAH GIESS F	PIERZ MN					KNN FAF	RMS BAY	CITY WI, D	ARLYNN CA	TTLE COMP	PANY PIER	Z MN		
DLCC STOCKN			1	10.2	0.4	71	98	15	50	2.7	0.2	-30.9	-0.10	0.42
M213079	03/06/17	FB		.18	.40	.36	.38	.20		.16	.21	.31	.20	.29
BLK	POLLED	NIV DIEDZ NANI	DLCC STOCK	MAN 390	2	DARIVA		TEA CUP II						
DARLYNN CA	TTLE COMPA	NY PIERZ MIN							NY PIERZ MI	N, E VALLEY SK	$\langle CANADA$			
EDC EL VED 1131	2000			0.0	10								0.10	0.20
EBS ELKER 1121 RM211666	03/15/16		1	9.8 .17	1.9 .40	66 .37	93 .40	18 .15	51	2.5 .12	0.1 .19	- 24.3 .33	- 0.10 .16	0.28 .27
BLK	POLLED		DLC LEGACY 1		.40	.51		.15 ISS ASHLY I	273Y	.1∠	.13	در.	.10	.∠1
		IDAHO FALLS ID	JEC LEGACT I			ELKING			IDAHO FALI	_S ID				
EBS ELKER MA		2220 .2	1	9.0	1.9	63	101	22	53	2.3	0.0	-27.6	-0.12	0.43
M214269	03/07/17	FB	•	.16	.41	.37	.40	.15	33	.13	.20	.31	.19	.30
RED	POLLED	· -	EBS ELKER 1121			.5.		ISS ELKER 1	121 880B					
		IDAHO FALLS ID		•		ELKING ⁻			IDAHO FALI	SID				

2020 SIRE SUMMARY - GENETIC INDICATOR LISTING

Name			#Herds	CED	BW	ww	YW	Milk	MWW	СЕМ	Marb	CW	Fat	REA	
Reg#	DOB	%	#Dcalves	Acc	Acc	Acc	Acc	Acc		Acc	Acc	Acc	Acc	Acc	
Color	H/P/S		Sire				Dam								
Breeder						Owner(s))								
KNN MIDWES	Г20D		3	6.1	4.2	60	89	10	40	1.2	0.1	-25.9	-0.12	0.38	
PBM210364	04/15/16	PB	3	.16	.48	.36	.34	.16		.12	.15	.28	.14	.24	
RED	POLLED		KNN MIDWE	ST 15B			KNN C	HERRIE BO	OMB 10X						
KNN FARMS I	BAY CITY WI					JVM CAT	TLE COI	MPANY PE	LLA IA						
MJB CHINOOK	527C		2	5.9	2.6	55	86	16	44	1.5	0.1	-35.0	-0.13	0.60	
RM208526	02/22/15			.24	.41.	37	.36	.22		.20	.20	.29	.19	.27	
BLK	POLLED		DLCC HUDS	ON 82U			MJB NI	KKI 3657N							
MJB RANCH I	LODGE GRAS	SMT				MJB RAN	ICH LOD	GE GRASS	SMT						
NFL MAJESTIC	DSD063		1	4.1	6.8	101	152	17	67	1.0	0.2	4.4	-0.12	0.76	
M210785	04/04/16	FB		.28	.48	.42	.43	.18		.18	.27	.36	.23	.32	
BLK	POLLED		NICHOLS MA	AJESTIC Y	808				CTION Z922						
NICHOLS FAI	RMS LTD BRID	GEWATER IA				NICHOL	S FARMS	LTD BRID	GEWATER IA	4					
NFL MAJESTIC	DSE084		1	8.5	2.5	87	121	14	57	3.3	0.1	-11.5	-0.11	0.59	
M212995	04/10/17	FB		.20	.46	.39	.41	.16		.16	.19	.32	.14	.27	
BLK	POLLED		NICHOLS MA	AJESTIC Y	808				CTION Z915						
NICHOLS FAI	RMS LTD BRID	GEWATER IA				NICHOL	S FARMS	LTD BRID	GEWATER IA	4					
RP CHANCE 14			2	10.5	1.8	56	83	21	49	4.7	0.0	-32.1	-0.12	0.37	
M207845	04/07/15	FB		.17	.46	.42	.38	.17		.14	.14	.29	.14	.26	
RED	POLLED		DLCC CHAN	CE 52X				ITY 00U							
	WANVILLE MN	1						NVILLE MN							
SBCC COPPER			3	11.7	1.6	68	97	9	43	-0.3	0.0	-29.2	-0.13	0.47	
M208930	05/01/15	FB		.15	.46	.36	.34	.18		.14	.07	.27	.05	.23	
RED	POLLED	WILCOURGED IVE	SBCC WINCH	HESTER 9	128	CLION (D			GWEN 9107						
		VINCHESTER KS				SHOWBOAT CATTLE CO WINCHESTER KS									
SBCC DRK CH			4	9.0	2.7	67	95	11	44	-0.3	0.0	-26.7	-0.13	0.47	
PBM208288	04/07/15	PB	3	.16	.48	.38	.37	.16	1)/5 4 4 4 4 4	.11	.07	.25	.05	.24	
BLK	POLLED	VINICHESTED VS	SBCC YOSEN	/IIIE II4/		CHOMB			1 YEAAAAA VINCHESTEF						
		VINCHESTER KS	_												
TC DIRECTION		ED.	1	7.0	2.7	68	94	18	52	0.2 .17	0.2	-33.5	-0.12	0.34	
M210664 BLK	03/06/16 POLLED	FB	i CIMARRON I	.19	.49	.41	.37	.16	4 A V 7 O 1 A	.17	.13	.30	.10	.27	
		MPANY KINGFISH		JEFENDE	K 443B	TDIDI E C		RRON CLIN	IIAX SUIA EVON FARM	DI ICCEI I \/I	ILLEMO				
		IVIFANT KINGI ISI	1	0.7	1.6		97	12	46			277	0.12	0.47	
TC EXCALIBUT M212417	01/27/17	FB	1	8.3 .18	1.6 .46	68 .40	.38	.18	46	0.5 .18	0.0 .17	-27.7 .30	- 0.12 .15	0.47 .25	
RED	POLLED	1.0	CIMARRON			.40	TC YE			.10	.17	.50	.io	.23	
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By Dr. Bob Hough

Crossbreeding is a management tool that can add to the profitability of an operation through heterosis and breed complimentarity. With the advent of hybrids and composites, the benefits of crossbreeding can be obtained with much simpler management systems than was available in the past when crossbreeding systems were often very complicated and difficult to manage. As progressive cattle producers search for new avenues to integrate heterosis into their cowherds, smaller breeds of cattle could offer new possibilities in crossbreeding programs. As far as small breeds go, the industry is starting to see an increase in the use of the South Devon breed in some of the nation's largest operations' crossbreeding systems.

Heterosis is the production advantage achieved above the expected average for traits when two breeds are crossed, and research has demonstrated that a cross-breed cow bred to a third breed will improve production by 24 percent. Luckily, the largest impact heterosis has is on lowly heritable traits, such as maternal traits, which are difficult to make progress on through selection. These include fertility, longevity and percent calf crop weaned; therefore, the biggest benefit through crossbreeding is obtained by maintaining a crossbred cow herd.

In terms of crossbred females, the baldy (Angus x Hereford) has long been the standard upon which other crosses are compared. Research done by the American Hereford Association and the Circle A Sire Alliance demonstrated a system where Angus based cows were bred to Hereford bulls and resulting replacement females were kept. They showed a \$514 net advantage for the crossbreds over straightbred cattle over the lifetime of a cow, and this return was gained without any additional inputs.

The other big impact crossbreeding has is thru breed complimentarity. For instance, British breeds typically excel in carcass quality while Continental breeds, such as Simmental, Gelbvieh and Charolais, bring extra muscling and cutability to a crossbreeding system. Breed complimentarity is 100 percent heritable, and explains why British/Continental hybrids like SimAngus, LimFlex and Balancers (Angus x Gelbvieh) are enjoying such popularity.

Dave Nichols of Nichols Farms in Iowa is a firm believer in the power of heterosis and breed complimentarity. He raises Angus, Simmental and South Devon purebreds as well as SimAngus hybrids, Angus/South Devon hybrids, and Angus/Simmental/South Devon composites in order to supply the right genetics to his commercial customers

no matter their situation. He was one of the breeders that helped pioneer the now popular SimAngus hybrid because of the heterosis and breed complimentarity it offers the industry in an easy to use breeding system.

With Nichols, and others across the industry, South Devon is a breed that is starting to garner a lot of attention for crossbreeding and the production of hybrid and composite bulls. The utilization of South Devon genetics by many leading operations is well founded, as they are a British breed that brings all the maternal traits and carcass quality you expect from a British breed, plus the muscling and cutability more common to Continental breeds.

In recent years, Nichols Farms has been greatly expanding their use of the South Devon breed, and according to Nichols, "We find that from a carcass standpoint, our purebred South Devons are high quality when it comes to marbling and similar to our Simmental/Angus FI hybrids when it comes to cutability. They are also very comparable to our SimAngus from a milk standpoint, and are very docile. We are excited to have added to our South Devon herd bull battery the top bull for feed efficiency over all breeds from the Midland Bull Test as well as the seventh overall bull, and what these genetics can add to our program from a feed efficiency standpoint. South Devons add a lot of heterosis when crossed with Angus, and we are using them extensively to make hybrids and composites."

Leo McDonnell, Jr. whose family has run Midland Bull Test in Montana since 1963 is also very familiar with what South Devon can contribute to the industry. According to McDonnell, "I think they are the preferred breed for crossing with Angus. South Devons have proven feed efficiency, and they have been the top breed in a lot of tenderness studies. They also have good feet, udders and calm dispositions, but it is when it comes to feeding cattle that they really distinguish themselves. With South Devon you get the marbling associated with a British breed with an extra square inch of ribeye."

The USDA Meat Animal Research Center (MARC) acrossbreed EPDs confirm these observations on South Devon cattle. When looking for a breed to cross with Angus, their data reveals that after Angus, the average South Devon has more marbling than any other breed and more ribeye area than any other British breed alternative in the MARC acrossbreed

database. Nichols concludes, "Our industry is in desperate need of another British breed to cross with Angus, and I think South Devon can fill this need."

There are many proven and time tested crossbreeding systems like the baldy (Angus x Hereford) cross and hybrids such as SimAngus and Balancers as well as a breed like South Devon that has the potential to have a big impact on the industry. Whatever breeds, hybrids or composites a producer choses, crossbreeding is a proven way to enhance the profitability of a commercial cow calf operation. Producers benefit from both heterosis and breed complimentarity, with the biggest impact on the bottom line coming from maintaining a crossbred cow. Once a crossbred cow is obtained, the use of hybrids and composites makes maintaining the benefits of crossbreeding easily managed. *



South Devon bulls excel in feed efficiency each year at the Midland Bull Test, Columbus, Montana.



Enhancing heterosis at the Diamond Plus cattle operation in Gackle. North Dakota.



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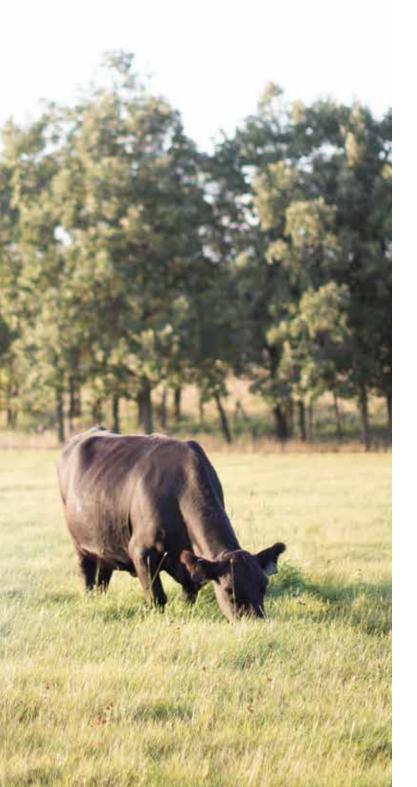
Stayability EPD. Does It Work?

By Dr. Randie Culbertson, ASA and IGS Lead Geneticist and Dr. Jackie Atkins, Director of Science and Education

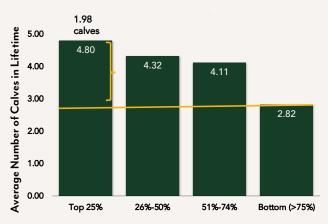
Daughters sired by bulls in the top 25 percent for stayability were over twice as likely to remain in the herd as six-year-old cows and averaged almost two more calves in their lifetime compared to daughters sired by bulls in the bottom 25 percent for stayability EPDs.

The financial success of cow-calf operations depends on a cow's ability to remain in the herd long enough to recoup the cost of heifer development and cow maintenance. In order to achieve this, a heifer needs to calve as a 2-year-old and produce a calf each subsequent year. The stayability EPD was developed to predict this reproductive success (or failure) and is defined as a cow's ability to remain in the herd to a specific endpoint, with the assumption that open cows are culled. The typical endpoint is defined at six years of age. Stayability has an economic influence on a cow herd through female reproduction, increased calves per cow, and increased calf performance given mature cows on average wean heavier calves.

As with most reproductive traits, the heritability of stayability is low (less than 0.20) indicating a large non-genetic influence on stayability. These non-genetic influences can range from ranch conditions to ranch management and are not inherited by future progeny. On the flip side, if you provide the optimal environment for your herd but lack the genetics for cow longevity, you will still find yourself with cows falling out of the herd prematurely. Although a low heritability for stayability illustrates the importance and significance of management, it also tells us that there is an underlying genetic aspect to a cow's ability to remain in the herd. Furthermore, since cow longevity is largely determined by the environment, making genetic selections to improve longevity is far more accurate with a stayability EPD compared to a phenotype heavily influenced by the environment. In the context of genetic

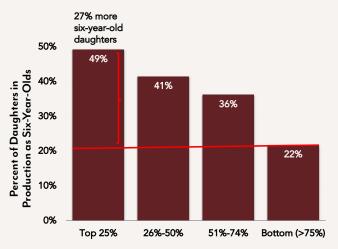


Daughters from bulls in the top 25% for stayability averaged almost two more calves in their lifetime compared to daughters of bulls in the bottom 25%.



Percentile Ranks for High Stayability EPD Sires

Daughters from bulls in the top 25% for stayability are more than twice as likely to remain in the herd as six-year-olds compared to the bottom 25%.



Percentile Ranks for High Stayability EPD Sires

improvement, ignoring stayability EPDs will slow or reverse the genetic progress for this highly relevant trait.

Since its development, the stayability EPD is currently being published by multiple breed associations but how reliable is this EPD for predicting cow longevity? To examine this question, over 140,000 daughters from high-accuracy bulls for stayability from the IGS database were analyzed. These sires were ranked by their stayability EPD and divided into four percentile groups (or quartiles; 1-25 [top or best], 26-50, 51-74, 75-99 [bottom or worst] percentile). Within each quartile, the percentage of daughters remaining in the herd to six years-of-age and the average number of calves from daughters in their lifetime was compared.

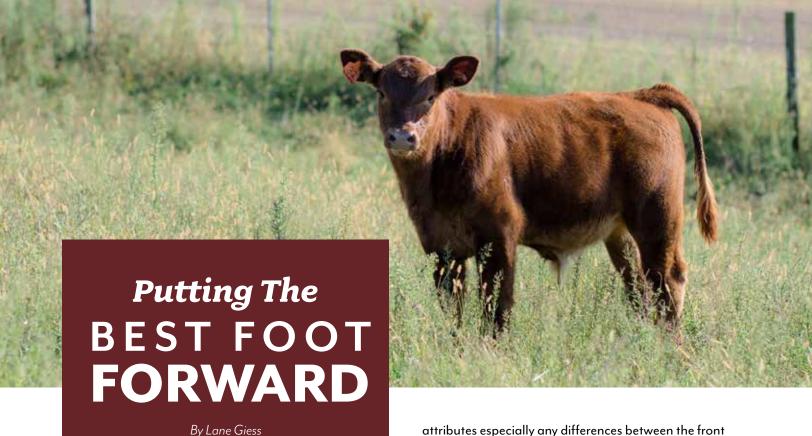
As you can see in the graph, as Stayability EPD increased, the percentage of daughters reaching the age of six also increased. When comparing the lowest quartile to the highest quartile, the percentage of daughters

remaining in the herd to age six more than doubled.

Only 22% of the daughters reached the age of six for the lowest quartile compared to 49% of daughters for sires in the highest quartile.

But how does this translate to calves on the ground? The second graph illustrates the average number of calves from daughters of sires within each Stayability EPD quartile group. There is a clear increase in the average number of calves per cow as we move towards the top percentile. Daughters from sires in the top Stayability quartile averaged nearly two more calves in their lifetime compared to daughters out of sires in the lowest Stayability quartile.

Female longevity is one of the most economically impactful traits of commercial cow-calf operations. When choosing genetics for replacement females, emphasizing stayability will optimize the genetic potential for longevity in the herd.



There has been a significant amount of buzz in the industry lately when it comes to structural soundness in genetic evaluation. With workshops educating breeders across the country, multiple presentations happening at national conferences, and articles in countless publications, feet and leg structural evaluation obviously matters to beef producers - seedstock and commercial alike. A team of researchers has been hard at work developing further understanding of the genetic control of feet and leg structure in beef cattle and encourages seedstock producers to start thinking about structural evaluation in their own herds.

While not new to dairymen, feet and leg structure evaluation is in its relative infancy for the beef industry. Through a research project at Kansas State University funded by the American Simmental Association, Red Angus Association of America, and the Kansas Global Food Systems Initiative, multiple traits related to feet and leg structure were evaluated and tested in the most comprehensive research project of its kind in beef cattle. Approximately 4000 animals from both the Red Angus and Simmental breed populations were scored for 14 traits relating to structure. Bob Weaber, professor and extension beef cattle specialist at Kansas State led the project.

"The objectives were to understand the genetic relationships among hoof, leg and limb angulation

attributes especially any differences between the front and rear limbs. We also wanted to test the granularity of the scoring system to determine information loss using a simple categorical system." Weaber commented.

The study provided insight for all International Genetic Solutions (IGS) breed partners to develop educational material and recommendations for breeders to start evaluating their own herds.

Three traits were identified to be issues in the breed population worth exploring: 1) Claw set and divergence; 2) Hoof angle and heel; 3) Hock angle or rear leg side view.

Cattle displaying curvature or divergence in their claw set disrupts the surface area on the base of the hoof. This often appears as a scissor or corkscrew claw, where the most severe cases result in one claw growing outward and crossing over the other claw. Cattle often experience shortness of stride and apparent painful movement with this phenotype.

Hoof angle and/or heel depth issues can lead to shallow heeled cattle, which can cause toes to grow out and lengthen. Inversely, too much depth of heel results in a rigid hoof and pastern angle, limiting an animal's flexibility of motion.

Though the previously mentioned traits affect hoof conformation, structure issues also manifest themselves in the limbs of cattle, notably the hock and rear leg set. Cattle with extreme straightness are limited in their mobility as are animals who experience over flexion of the hock joint.

Feet and Leg Recommendations

Developing and establishing a set of structural educational guidelines for use by seedstock breeders to better select and evaluate their own animals has been a high priority for the IGS science team. With much of the research looking at feet and leg data utilization and impact on economically relevant traits ongoing, membership can contribute to this research by voluntarily sending any data they collect on the three traits; Claw Set, Hoof Angle, and Rear Leg Side View (See Figs. 1 - 3)

Weaber stressed the importance of breeders familiarizing themselves with feet and leg structural evaluation.

"Seedstock cattle will continue to be evaluated for a wide range of economically important traits for the foreseeable future. Commercial cattle producers making sizeable investments in genetics are elevating their expectations relative to foot and leg conformation and durability. As such, seedstock producers seeking repeat customers for high-value bulls should strive to breed cattle with foot and leg longevity in mind," Weaber emphasized.

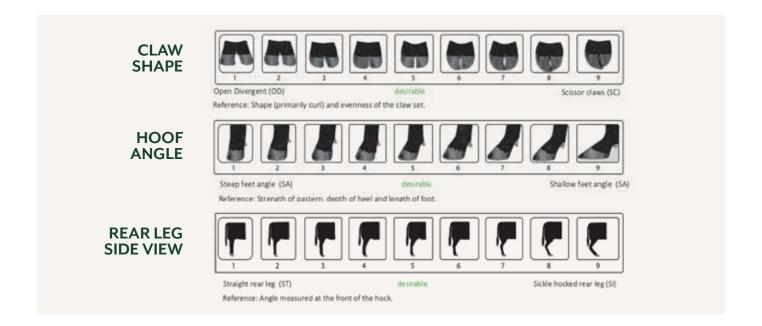
These scores provide utility for two reasons; 1) they allow breeders to objectively rank and identify problem animals in their herd on an annual basis 2) they may prove useful in national genetic evaluation.

"It could be reasoned soundness is already reflected in the currently published IGS Stayability EPD, but it's useful for seedstock producers to be aware these guidelines are a tool at their disposal to identify problem animals in their population," says Wade Shafer, Executive Vice President of IGS. "It's ideal to have this be a breeder tool that encourages breeders to objectively look at feet and legs and make culling decisions, all the while contributing to the larger research effort at hand".

Using the Feet and Leg Trait Complex

- Score the three traits (Claw Set, Hoof Angle, and Rear Leg Side View) on a 1 to 9 scale using the included rubrics.
- If there is variation in the conformation of hoof traits between the front and rear/left or right, score the worst hoof.
- The best time to evaluate cattle to capture whole contemporary group information is between 12 to 18 months of age.
- Scores may be evaluated annually on mature cows (taken in conjunction with mature weights and body condition scores).
- · Score all animals prior to any hoof trimming.
- Score animals on a level and hard surface, devoid of mud or grass to ensure an accurate appraisal.
- Score all animals on the same day, from the same evaluator.

For any questions regarding the feet and leg trait complex and how to voluntarily submit any data recorded please contact Lane at Igiess@simmgene.com *



Making the Grade

How South Devon Deliver Important Profit-Driven Traits to Producers

When assessing the commercial cow herd, production, performance and financial records are the report cards. Good grades are obtainable when business-oriented and profit-driven operations evaluate the important traits offered by individual breeds.

Topping the list and grading high in terms of maternal traits, feed efficiency, temperament, tenderness, adaptability and much more are South Devon cattle, an English breed that has been time tested for mothering ability, milk and docility, pounds of performance and production of tasteful tender beef for 100's of years in England their native country. In 1969 through 1974 a portion of the genetic pool was exported to North America where cattlemen continue to appreciate the special attributes, solid strengths and unique trait combinations that can improve herd profitability.

Commercial cattlemen and purebred producers in a variety of regional areas throughout the U.S. are utilizing South Devon in their crossbreeding programs to increase heterosis, thereby increasing pounds at weaning and productivity in the feedlot. "The adaptability of the breed to perform in many different types of environments and their ability to offer similar performance to continental breeds make them an English crossbreeding alternative," said Dar Giess, North American South Devon Association past-president and owner of DLCC Ranch, Pierz, Minn. "South Devon can and will play an important role in the commercial industry because of their ability to increase heterosis."

"In today's industry, profitability is driven by several factors. At the cow/calf level fertility, cow feed intake, weaning weight production and calf market value are the drivers. In the feedlot, feed conversion, gain, carcass weight and carcass merit are the drivers," said Lee



Leachman, owner and manager of Leachman Cattle of Colorado, Wellington, Colo. "In each of these areas, a strong case can be made for the advantages of a planned crossbreeding program that incorporates South Devon."

"The challenge to crossbreeding, is finding the right breed to cross on Angus," said Leachman. "The South Devon breed keeps Angus marbling, adds muscularity and increases carcass weight. For these reasons, South Devon is the best British breed crossbreeding option."

"The smart commercial ranchers will seek genetics that improve the profitability of their herd," said Leachman. "The South Devon breed is ideally positioned to establish itself as a key player in profitable beef production."

When looking for a crossbreeding option, Montana ranchers Keith and Colleen Raty, owners of the Raty Ranch in Chinook, Mont. spent a considerable amount of time studying bull sale catalogs, trying to buy better bulls to add pounds to their calf crop. A predominantly Angus herd, they found it was harder to gain pounds using Angus bulls on Angus cows. "I wanted an English cross that could add heterosis to the calf crop and produce replacements that would adapt to our harsh winters and rugged terrain," said Raty. "Our South Devon cross cows really range out, make great momma cows and we appreciate the docile temperament when handling them."

Raty Ranch purchased their first South Devon bulls in 2010. Now, with the South Devon/Angus influence they have added significant pounds per cow exposed, while maintaining a high standard for the maternal cow herd. A large percentage of the heifer calves are integrated back into the herd. In addition, they are impressed with how the South Devon bulls hold up. "We are able

to use them for several more seasons, compared to other breeds we have tried in the past," he said.

"The feedlot who has purchased our calves for the past two years said they are impressed with the feed efficiency, carcass traits and calm temperament," said Raty. "Using South Devon bulls has been a huge win for our operation."

Another cattleman who found the traits of the South Devon cattle to be profitable is Carroll Nelson, a Montana rancher from Big Timber. He is currently utilizing South Devon bulls on his predominantly Red Angus commercial females. Nelson spent several years looking at the South Devon Sire Summary performance information and watching the progress of South Devon bulls at the Midland Bull Test in Columbus, Mont. "I wanted a maternal outcross and I didn't want to use any continental influence," he said.

Located in south central Montana, in short grass, limited precipitation territory, he wanted all of the balanced traits, he was used to, using Red Angus sires. "I wanted lower birth weights, solid performance and acceptable milk," he said. After his first crop of South Devon calves made it across the weigh scales, he knew he had chosen correctly. A large portion of the South Devon-sired calves ranked in the top three percent for weaning and averaged right with the Red Angus calves for birth weight. Confident that South Devon cattle can deliver, he has added heterosis without changing

the basic objectives he used building up his cowherd.

For the last 19 years, John Grande has also found South Devon cattle have been profitable for Grande Ranch located in Martinsdale, Mont. Ranching in the area since 1877, the Grande family wanted to find an English cross for their predominantly Angus cowherd with some Hereford influence. In 1996 they purchased their first South Devon bulls from the Midland Bull Test. Six years later they added Simmental into their herd to complete a three breed rotation.

Ranching primarily on private leases and forest service permits, with elevations of 5,500 to 7,000 feet, and an average rainfall of 16 inches per year, cattle have to be tough to survive severe, cold and snowy winters. Grande has found that South Devon cattle perform well in these conditions. "They range out and do really well in our country and environment," he said. Originally, they added the South Devon because of their maternal value, longevity and fertility. "I feel like they fit our crossbreeding mix really well," said Grande.

To the Grande Ranch crossbreeding is important. Heterosis adds muscle and pounds at weaning as well as contributes to carcass marbling. Crossbred cows also have increased fertility with more bred and fewer open. The South Devon-sired calves have great muscle, ribeye and bring marbling into our carcasses, he said. The added performance includes an improved average daily gain and feed efficiency.



Harold Lee (H.L., Harry) Stephens

Harold Lee (H.L. – Harry) Stephens, 63, Denmark, Tennessee. died peacefully at his home on July 12, 2020. Well-known in cattle circles around the world, Harry was especially at home in the show ring. Multiple championships in numerous breeds were attained throughout his career.

Under the name of Three Cedars Farm, Denison, KS., Harry and business partner Rick Engweiler were a strong presence in the South Devon breed for many years. Strong supporters of the junior program, Harry and Rick helped many junior members get a start in the cattle business. Three Cedars Farm genetics won national, regional and local championships across the U.S.

He is survived by brothers Larry (Teresa) Stephens, Eureka, KS and Brad (Judy) Stephens, Holton, KS. Sisters Carol Wilken and Mary Lou Clark, Valley Falls, KS. Cattle partners and best friends, Rick Engweiler, Denmark, TN and Zack (Danielle) Langley, Atchison, KS.





Robert (Bob) Holmgren

Robert 'Bob' Holmgren, 79, passed away Saturday, October, 10, 2020 surrounded by family he loved. A long-time member of the North American South Devon Association and Northern States South Devon Association, Bob's love and dedication to South Devon cattle was unparalleled.

Maple Leaf Acres located in Randall, Minnesota was home to a select herd of South Devon and Poundmaker cattle, including many well-known bulls and females. Maple Leaf Landslide and Maple Leaf Ebony were part of the award-winning program.

Both Bob and wife Linda spent hours working with the cattle and promoting the breed locally and nationally. Recipients of the Seedstock Producer of the Year award in 1996 and Hall of Fame in 2009, they were strong supporters of the association and especially juniors. They also were honored with the coveted Junior National dedication in 2009.

Bob purchased a turkey farm in Swanville in 1978 and moved to the Randall farm in 1990. He raised turkeys and registered South Devon until his retirement in 2012.

He is survived by his wife, Linda of 58 years; three children, William (Sherry), Rev. Steven (Michelle), Sandra (Michael) Galligan; seven grandchildren and eleven great-grandchildren.

IN REMEMBRANCE

Joyce Popken 1938-2020

Joyce Popken, 82 of Swanville, Minnesota departed this life on September 18, 2020. An integral part of RP Farms, along with her husband Robert and son Joel, Joyce lived and worked on the farm from 1973 until her death. A long-time member of the North American South Devon Association and Northern States South Devon Association, Joyce was well-known for her caring and compassionate nature and friendship to all. She was a strong supporter of the children in the organization and took the time to speak with them on every occasion. Many were the recipients of her creative personalized ceramic ornaments, treasured by all who received them.

Participants of the 2014 World South Devon Tour in the U.S., NSSDA tours, sales and meetings and the Western Livestock Journal tour participants were treated to her famous ice cream and maple syrup and apple crisp.

Joyce is survived by her husband Bob, of 62 years; sons, Ryan (Sonya) Popken, Hawkinsville, GA and Joel Popken, Swanville; grandchildren, Maggie, Ryanne and Joseph Robert Popken; brothers, Jim (Judy) Nelson of Oakland, NE, Richard (Phyllis) Nelson of Topeka, KS and Don (Bonita) Nelson of Ord, NE.





Members of the Northern States South Devon Association planted a pink flowering crab tree on the farm in honor and remembrance of Joyce Popken.



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MJB RANCH

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MIKE VANDENBERG
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WILLIAMS LAKE, BC CANADA V2G 2V6
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HLUSEKFARMS@GMAIL.COM
HERD PREFIX: HLU

SAMPSON MCGREGOR STOCK FARM RALPH MCGREGOR & B G SAMPSON GENERAL DELIVERY IRON RIVER AB CANADA TOA2A0 780-826-7077 SMS@XPLORNET.COM HERD PREFIX: SMS

MISSOURI COTEAU CATTLE COMPANY GARY JONES BOX 38 CRANE VALLEY, SK, CANADA, SOH IBO 306-631-6274 JONESRANCH@LIVE.CA



A LITTLE BIT OF JUNIOR HISTORY



2009 Junior National – Alexa Hoffman and Nicole Koscielniak



2013 Junior National – Ciera Steinlicht



2018 National Show – Lauren Terry



2020 National Show – Wade Kramer



2014 National Show – Wiley Fanta



2016 Junior National – Lauren Terry and Emilee White

A LITTLE BIT OF JUNIOR HISTORY



2017 National Show – Nicole Kibler and Leah Giess



2006 National Show – Paige Nelson



2009 Junior National – Lauren Terry, Emilee White and Logan Ohlde



2010 Junior National – Chace Terry



2019 National Show – Taygen Boyce



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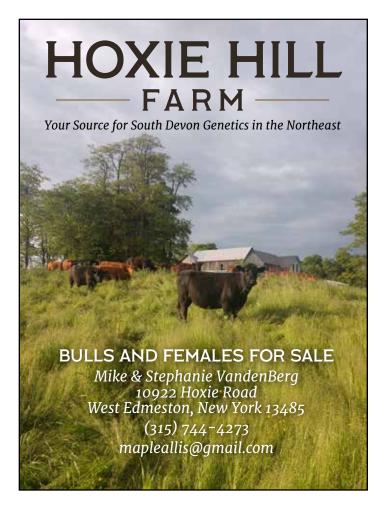
Proudly Raising South Devon since 1979 2014 Seedstock Producer of the Year 2016 Hall of Fame Inductee

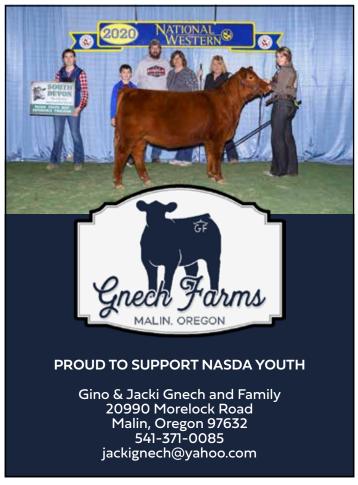
Selling South Devon Freezer Beef

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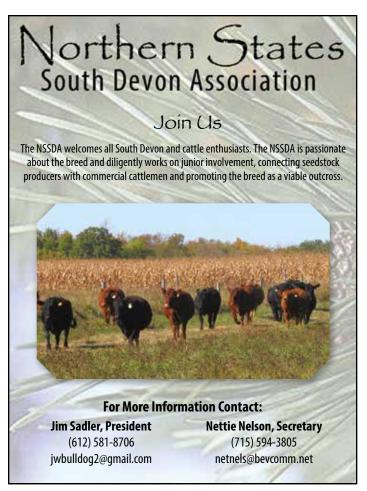
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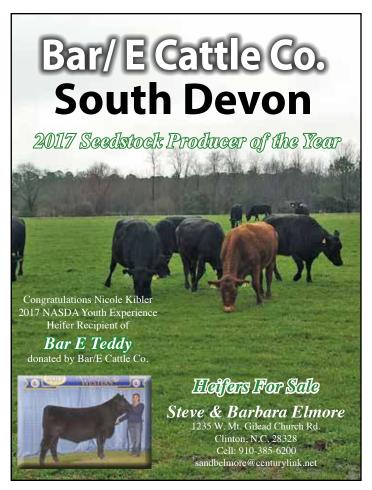
farmer6th@live.com

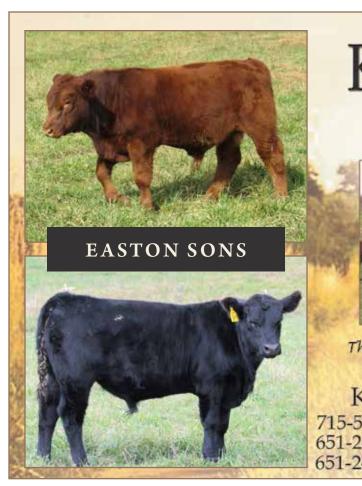












KNN FARMS

We strive for cows who transfer prime genetics and produce offspring, equal to or better than themselves.

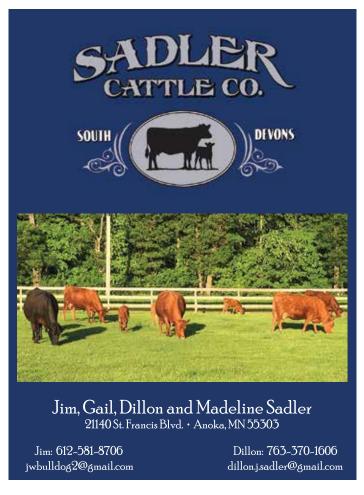


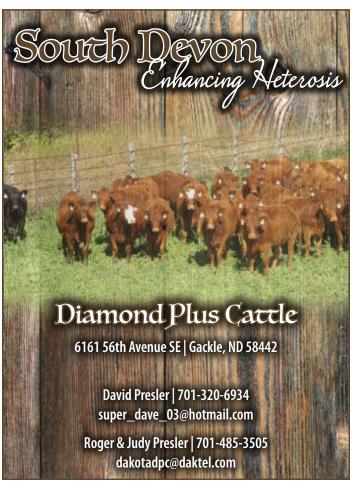
Thank you to those who have purchased Semen, Bulls & Females from us!

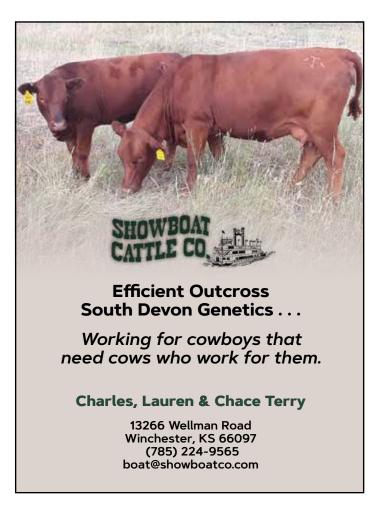
KURT & NETTIE NELSON

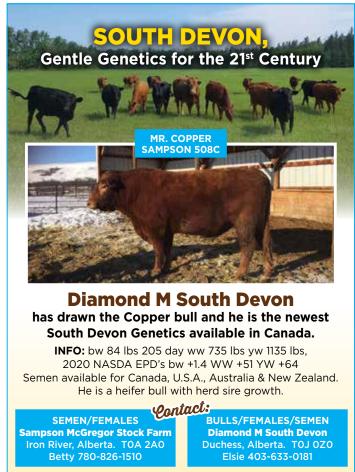
715-594-3805 (HOME) W5137 290TH AVE 651-246-8252 (N) BAY CITY, WI. 54723 651-246-8774 (K) netnels@bevcomm.net

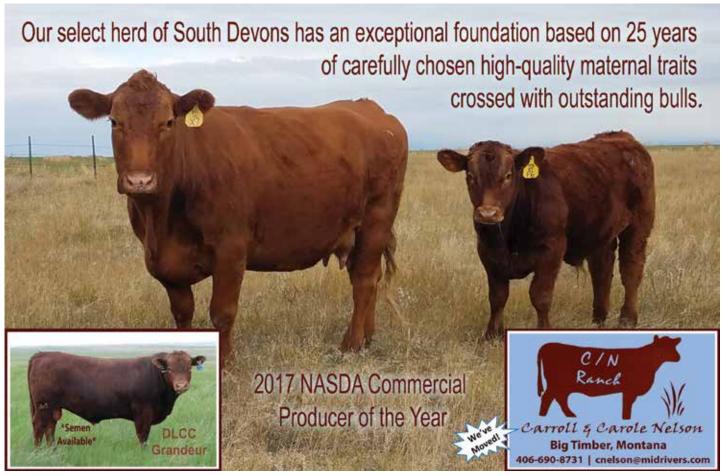
















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"I think they are the preferred breed for crossing with Angus. South Devons have proven feed efficiency, and they have been the top breed in a lot of tenderness studies. They also have good feet, udders and calm dispositions, but it is when it comes to feeding cattle that they really distinguish themselves. With South Devon you get the marbling associated with a British breed with an extra square inch of ribeye."

Leo McDonnell, Jr.Midland Bull Test
Columbus, Montana

The USDA Meat Animal Research Center (MARC) across-breed EPDs bare this observation out. When looking for a breed to cross with Angus, their data reveals that after Angus, the average South Devon has more marbling than any other breed and more ribeye area than any other British breed alternative in the MARC across-breed database.



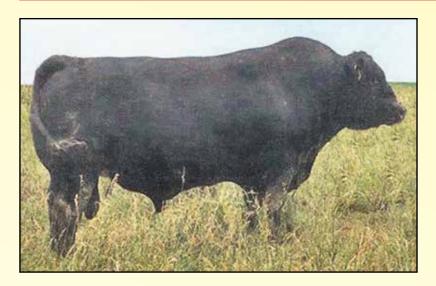
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by dave nichols



Nichols Majestic Y808 (203588) exceptional muscle and body mass combined with his top 10% Weaning wt, Scrotal and Yearling wt. EPDs. He's sound, moves like an athlete and tolerates Fescue pastures. His problem free daughters are Magnificent. Real Cowboys love his eye appeal.

BW	WW	YEAR	MILK	MWW
+3.9	+92	+124	+0	+55
CE	FAT	RE	MAR	CW
+8.8	08	+61	+.2	-6.9

NFL Untouchable DSC042 (208337) is a Trait Leader for Wean and Year wt. He's average for Birth wt. and in the top 33% for nine out of ten of all the other traits. He's homo polled and black. His dam's "can't miss pedigree traces to Cimarron Rebel 941W and BC Progress 315U Owned with Neil Hagger, Australia

BW	WW	YEAR	MILK	MWW
+1.8	+85	+132	+13	+55
CE	FAT	RE	MAR	CW
+10	11	+.42	+.3	6



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