

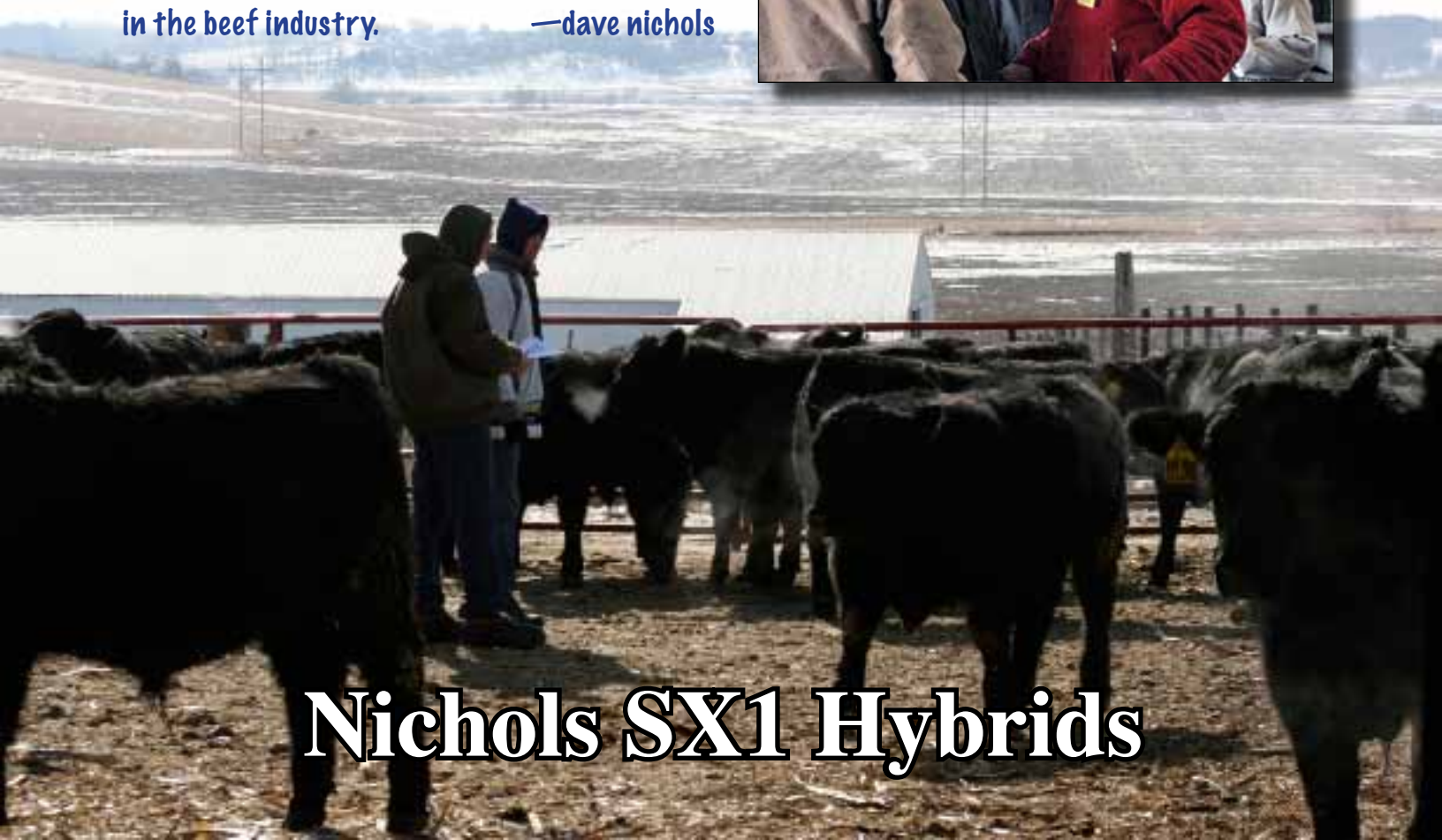
Nichols Farms

Private Treaty Bull Sale

65 Years of 4/19/18
Superior Beef Genetics

"Large or small, old or new - Nichols customers are our friends, and can expect the same level of performance and service from our stock and our team. And you will have the benefit of being a part of the Nichols family."

Come and take a look at some of the best bulls in the beef industry. —dave nichols



Nichols SX1 Hybrids

Welcome to Nichols Farms

Glossary of Items on Nichols Bulls...

Breed : Angus, Simmental, SX and DX Composites.

Brand/Tag: Ear Tag , Brand, Tattoo & Name are the same.

Color: B—Black, BWF— Black-baldy, (may have other white)

Horn/Poll: P — Smooth Polled S is Polled with scurs

Birth Date: Birthday of animal.

Birth Wt.: Actual birth weight.

205 Adj: Weaning weight adjusted to 205 days of age

205 Ratio: An within-herd index of a calf's weaning weight

Cum ADG: Average Daily Gain for the entire feedlot test period computed from actual weaning weight to yearling weight

EPDs: Expected Progeny Differences are estimates based on the data of the individual animal and his relatives in all the different herds across the breed's population. EPD's figures are in actual pounds, plus (+) or minus (-) for each trait. Those below would be minus (-) and those above average would be plus (+). You can expect these differences in the actual weight of your bull's calves. EPDs predict the transmitting ability of each bull when compared with the many thousands of bulls in each breed.

EPD Note: You can compare the purebred Nichols Angus, purebred South Devons and South Devon Hybrids because their base point has been adjusted to the Angus base. You can not compare EPD's between Nichols pure-bred Simmentals, pure bred Angus and Nichols Composites. Nichols pure-bred Simmentals and Simmental Hybrids are on the Simmental base.

Color: **hom** is homozygous black, **het** is heterozygous red carrier

Carcass EPDs: Marbling: Intramuscular fat in the rib eye determines USDA quality grade. Prime, CAB, Choice, or Select

BF: Back fat thickness in inches measured on the rib eye.

REA: Rib eye area in square inches measured at the 13th rib.

Calving Ease: Suitable to breed "heifers" or "cows"

| Genomic Tested Trait = Progeny Equivalents | |
|--|----|
| Calving Ease Direct | 28 |
| Birth Weight | 21 |
| Weaning Weight | 26 |
| Yearling Weight | 11 |
| Docility | 10 |
| Heifer Pregnancy | 14 |
| Calving Ease Maternal | 18 |
| Carcass Marbling | 9 |
| Carcass Ribeye area | 12 |

- Angus \$\$ Value EPDs -

Weaning Value (\$W) calculates a \$ per head difference in expected progeny differences for weaning weight compared to progeny of other Angus sires.

Feedlot Value (\$F) calculates a \$ per head difference in expected progeny differences for feedlot performance.

Grid Value (\$G) combines quality grade and yield grade and is calculated for animals with carcass EPDs.

Beef Value (\$B) is comprised of: Feedlot Value (\$F), Grid Value (\$G,) and carcass wt. discounts.

Total Value (\$TV) combines \$Weaning (\$W) and \$Beef (\$B) values compared to progeny of other Angus Sires. **Similar to Simmental \$API**

- Simmental \$\$ Value EPDs -

All-Purpose Index (API\$) calculates a \$ per head difference in the progeny of sires that are used on an entire cow herd with their daughters required to maintain herd size retained and the remaining heifers and steers put on feed and sold grade and yield.

Terminal Index (TI\$) calculates a \$ per head difference in the progeny of sires for use on mature cows with all offspring put on feed and sold grade and yield. Consequently maternal traits such as milk, stability, and maternal calving ease are not in the index. **Similar to Angus \$B.**

Sale Terms and Conditions - 2018

Bulls will be semen checked prior to pick up or delivery.

Nichols Farms offers death and loss of use warranty on their sale bulls. This warranty must be purchased at time of sale.

Bulls are guaranteed to service cows. Any bull that settles healthy cows by natural service or passes a fertility test made by a certified veterinarian mutually agreed upon by Nichols Farms and buyer shall be considered a breeder.

The following exceptions apply to all breeding animals sold by Nichols Farms.

- Animals put in service or bred at less than 12 months of age.
- Injury or disease to the animal occurring after the sale.
- Gross negligence or misconduct on the part of the buyer.

Nichols Farms
Superior Beef Genetics

2188 Clay Avenue • Bridgewater, Iowa 50837

Bull Barn: 641-369-2829

fax: 641-369-2932

Ross cell: 641-745-5241

www.nicholsfarms.biz

Pen D —Nichols Better SX-1 Bulls —

Pen: D NICHOLS BEEFMAKER SXE118

ID: E118 birth 3/27/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
85 618 4.02 1234

NICHOLS BOND Z131
 NICHOLS BOND C233
 NICHOLS GALE T74
 NICHOLS EXTRA N59
 NICHOLS ABBEY R269
 NICHOLS ABBEY M94

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+8 +1.7 +54 +82 +5 +20 +47 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.31 .55 .014 97 60 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE119

ID: E119 birth 3/27/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
90 618 3.89 1220

NICHOLS KING Y90
 NICHOLS KING C71
 NICHOLS GALA Z38
 NICHOLS STEADFAST W137
 NICHOLS SBC LULA A267
 NICHOLS SBC LULA W50

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+7 +2.4 +63 +102 +3 +19 +51 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.17 .72 -.040 97 63 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE192

ID: E192 birth 4/4/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
80 633 3.74 1205

NICHOLS QUIET LAD T9
 NICHOLS BEEFMAKER SXZ049
 NICHOLS CEZ X31
 NICHOLS MASTERPIECE X41
 NICHOLS ALYNE SXA210
 NICHOLS BLACKBIRD ALYNE R33

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+11 +.4 +57 +114 +10 +27 +55 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.48 .32 .008 131 71 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE291

ID: E291 birth 4/24/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
87 674 3.67 1258

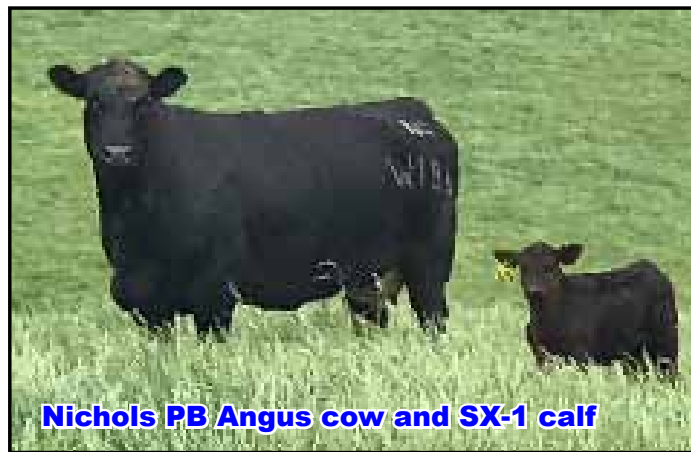
K-LER JAMES BOND 007
 NICHOLS BOND A50
 NICHOLS GALANT U100
 NICHOLS NEXT STEP S387
 NICHOLS BLACKBIRD W308
 NICHOLS BLACKBIRD R310

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+5 +2.7 +63 +96 +5.0 +19 +50 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.21 .77 -.037 96 63 Price \$4,000



Nichols PB Angus cow and SX-1 calf

Pen: D NICHOLS BEEFMAKER SXE157

ID: E157 birth 3/30/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
89 687 3.51 1217

NICHOLS GOOD AS GOLD Z103
 NICHOLS GOOD AS GOLD C36
 NICHOLS HEIRESS Z267
 NICHOLS POWER SURGE P22
 NICHOLS ANN W17
 NICHOLS ANN S220

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+12 +1.2 +67 +111 +10 +22 +56 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.30 .47 -.018 123 71 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE215

ID: E215 birth 4/5/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
74 674 3.48 1199

NICHOLS QUIET LAD T9
 NICHOLS QUIET LAD C365
 NICHOLS BLACKCAP Y349
 NICHOLS LUCKY N134
 NICHOLS GALA S63
 NICHOLS GALA G137

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+10 -.8 +63 +108 +9 +23 +55 SX1 het P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.40 .57 -.017 136 74 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE312

ID: E312 birth 4/30/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
89 629 4.20 1265

NICHOLS GOOD AS GOLD Z103
 NICHOLS GOOD AS GOLD C36
 NICHOLS HEIRESS Z267
 NICHOLS SHANNIGAN F5
 NICHOLS CEZ K201
 NICHOLS CEZ H88

Expected Progeny Differences: EPDs

CED BW WW YW CEM MM MW % Color Poll
+14 -.1 +55 +96 +12 +20 +48 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.17 .61 -.056 120 63 Price \$4,000



Nichols Upgrade B31 is a "Super Sound" PB Simmental Power Bull that tolerates Fescue pastures. His astounding EPds rank him in the top 1% for Wean, Year, Maternal Weaning wt, Carcass wt. and \$TI.

production

carcass

| CE | BW | WW | YRL | MCE | MM | MWW | MARB | REA | API |
|----|------|-----|------|-----|-----|-----|------|------|-----|
| +8 | +0.7 | +98 | +152 | +9 | +18 | +67 | +21 | +1.2 | 136 |

Pen: D NICHOLS BEEFMAKER SXE340

ID: E340 birth 3/28/17

NICHOLS QUIET LAD T9
NICHOLS BEEFMAKER SXZ049
NICHOLS CEZ X31
NICHOLS BEEFMAKER R12
NICHOLS TABITHA SXU146
REH TABITHA G004

Individual Performance:

BW 205 Wt ADG Yrl Wt
83 600 4.24 1228

Expected Progeny Differences: EPDs

CE BW WW YW CEM MM MW % Color Poll
+8 +1.1 +58 +101 +4 +28 +57 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.23 .47 -.065 106 65 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE255

ID: E255 birth 4/12/17

NICHOLS MANIFEST Y43
NICHOLS MANIFEST B221
NICHOLS MCM Y103
NICHOLS EXTRA K205
NICHOLS RITA R30
NICHOLS RITA M264

Individual Performance:

BW 205 Wt ADG Yrl Wt
110 702 4.93 1458

Expected Progeny Differences: EPDs

CE BW WW YW CEM MM MW % Color Poll
+5 +5.4 +72 +115 +5 +25 +61 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.23 .71 -.040 83 66 Price \$3,500

Pen: D NICHOLS BEEFMAKER SXE316

ID: E316 birth 5/1/17

NICHOLS STEADFAST T139
NICHOLS STEADFAST Z117
NICHOLS COW M421
NICHOLS LUCKY N134
NICHOLS BEAUTY S247
NICHOLS BEAUTY L216

Individual Performance:

BW 205 Wt ADG Yrl Wt
82 745 3.54 1279

Expected Progeny Differences: EPDs

CE BW WW YW CEM MM MW % Color Poll
+7 +.4 +58 +91 +7 +15 +44 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.33 .34 -.010 127 65 Price \$4,000

Pen: D NICHOLS BEEFMAKER SXE096

ID: E096 birth 3/25/17

K-LER JAMES BOND 007
NICHOLS BOND B224
NICHOLS LINDEN X24
NICHOLS OBJECTIVE W16
NICHOLS FORMULA Y406
NICHOLS FORMULA N274

Individual Performance:

BW 205 Wt ADG Yrl Wt
87 585 3.71 1149

Expected Progeny Differences: EPDs

CE BW WW YW CEM MM MW % Color Poll
+5 +2.0 +50 +78 +4 +19 +44 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.35 .74 -.003 101 60 Price \$3,500

Pen: C NICHOLS BEEFMAKER SXE341

ID: E341 birth 4/20/17

GIBBS 0698X CRIMSON TIDE
NICHOLS VARSITY C29
NICHOLS BLK DIAMOND X119
NICHOLS QUIET LAD T9
NICHOLS QUIET LADY W047
NICHOLS N063

Individual Performance:

BW 205 Wt ADG Yrl Wt
83 617 3.38 1137

Expected Progeny Differences: EPDs

CE BW WW YW CEM MM MW % Color Poll
+7 +1.6 +59 +90 +5 +21 +51 SX1 hom P

Carcass Merit EPDs:

Marb REA Fat \$API \$TI
.29 .70 -.056 107 65 Price \$3,500

Thanks For Coming!

Nichols Farms
Superior Beef Genetics

2188 Clay Avenue ♦ Bridgewater, IA 50837

office 641-369-2829

Dave's home 712-762-3810

fax 641-369-2932

Ross's cell 641-745-5241

www.nicholsfarms.biz

Nichols SX1

**Nichols Bulls Put More \$\$\$
In Your Bank Account**

Tri- County - Missouri Steer Test

| | | | |
|---|----------------|----------------------|------------------------------|
| (39) Nichols sired Steers compared to (100) Non-Nichols | LESS FEED COST | HIGHER CARCASS VALUE | ADDED \$\$\$ PROFIT PER HEAD |
|---|----------------|----------------------|------------------------------|

ADVANTAGE: - \$41.93 + \$46.02 + \$87.95



***Feed Conversion Details ♦ October 8 - January 4 (90 days)**

| <i>Breed</i> | <i>Feed Intake (dry)</i> | <i>Daily Gain</i> | <i>Feed/Lb. of Gain</i> | <i>Cost/Lb./Gain</i> |
|----------------|--------------------------|-------------------|-------------------------|----------------------|
| Angus | 18.95 | 4.17 | 4.54 | \$0.52 |
| Simmental | 21.40 | 4.20 | 5.09 | \$0.58 |
| SX1 | 20.20 | 4.19 | 4.80 | \$0.55 |
| South Devon | 18.20 | 4.04 | 4.50 | \$0.51 |
| <i>average</i> | <i>19.4</i> | <i>4.15</i> | <i>4.67</i> | <i>\$0.54</i> |

***TMR Ration Details**

| <i>Discription</i> | <i>Dry Matter (%)</i> | <i>Lbs./day/bull</i> | <i>% Ration</i> |
|---------------------|-----------------------|----------------------|-----------------|
| Distillers Syrup | 36.25 | 3.88 | 20.00 |
| Ground Hay | 86.50 | 2.41 | 12.4 |
| Earlage | 53.04 | 7.76 | 40.00 |
| Corn | 86.00 | 2.24 | 11.54 |
| Modified Distillers | 43.00 | 2.53 | 13.06 |
| ADM Amino Gain | 99.00 | 0.91 | 3.00 |

* The Nichols bull ration is a wet, 45%moisture, 21% roughage ration designed to maximize lean gain and proper structural development of breeding bulls. The average daily feed cost for these bulls was \$2.09. Their cost per lb. of gain of \$0.46.

The USA average feed conversion for implanted feedlot beef breed steers on a 95% concentrate ration is 6.1 lbs. of feed (dry matter) per lb. of gain.



Gibbs Cattle Co - Harrison, Nebraska

Headquarters for Heterosis

Crossbred cows producing Composite sired calves provide a 23.3% Improvement in Pounds of Weaned Calf per cow exposed over straight bred cows and calves!

— USDA Meat Animal Research Center

Nichols Hybrids and Composites are the result of crossing two or more pure lines in specific crosses to maximize the best traits of the grandparent lines. All Nichols lines are black and polled.

A Composite bull's heterosis (cross bred vigor) is

transmitted to his offspring. Plus, his calves are more uniform in type, performance, and carcass characteristics than back crossing purebreds.

Virtually all poultry, swine, and grain genetics are the result of systematic composite breeding.

PURE LINES

AN = PUREBRED ANGUS

—100% British

SM = PUREBRED SIMMENTALS

—100% Continental

DS = PUREBRED SOUTH DEVON

—100% British

note: *These pedigrees are examples. Nichols Composites' sires and dams may be reciprocal crosses. This does not effect their breed %, performance, phenotype, quality, carcass traits, or transferable heterosis.

F-1 HYBRIDS

SX1 = PB ANGUS by PB SIMMENTAL

Nichols PB Angus

Nichols SX1

Nichols PB Simmental

—*50% British - 50% Continental

DX1 = PB SOUTH DEVON by PB ANGUS

Nichols PB South Devon

Nichols DX1

Nichols PB Angus

—*100% British

F-2 COMPOSITES

DAX2 = DX1 by SX1

Nichols PB South Devon

Nichols DX1

Nichols PB Angus

Nichols DAX2

Nichols PB Angus

Nichols SX1

Nichols PB Simmental

—*75% British - 25%Continental