

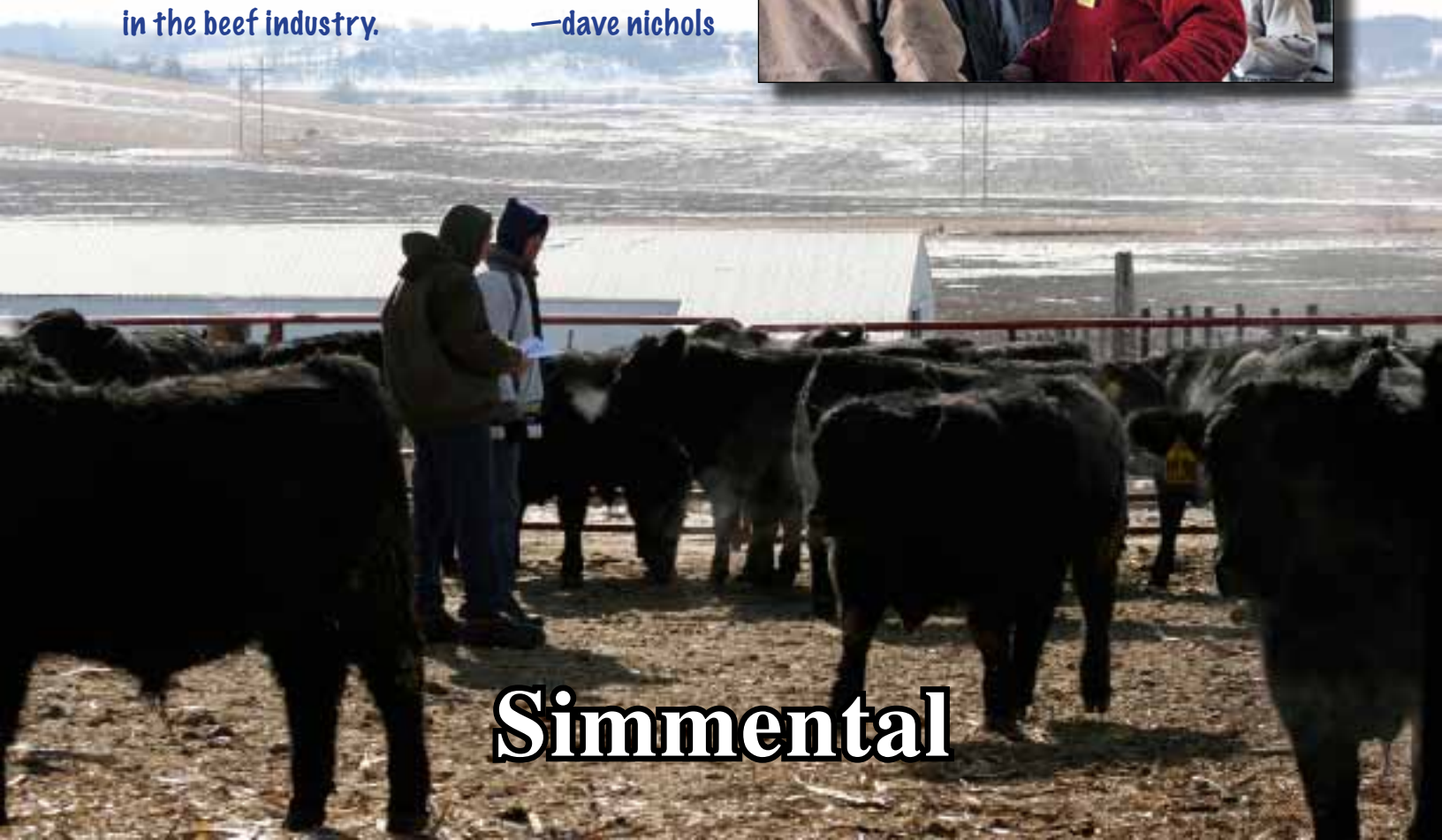
Nichols Farms

Private Treaty Bull Sale

65 Years of 4/23/18
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



Simmental

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.



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Ross cell: 641-745-5241

www.nicholsfarms.biz

Pen B —Nichols Best Sim Bulls —

Pen: B NICHOLS OVERLOAD SME027

ID: E27 birth 3/20/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
95	647	4.40	1341

WLE OVERLOAD
NICHOLS OVERLOAD Z17
NICHOLS MCM N13
NICHOLS STEADFAST Z117
NICHOLS FRECKLES SXB084
NICHOLS FRECKLES X115

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+8	3.4	+65	+109	+9	+20	+52	75	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.34	.54	-.020	131	67	\$4,500

Pen: B NICHOLS BOND SME034

ID: E34 birth 3/23/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
79	741	3.43	1286

K-LER JAMES BOND 007
NICHOLS BOND C66
NICHOLS ONYX T88
NICHOLS MANIFEST Y43
NICHOLS KELLY B130
NICHOLS KELLY Y21

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+8	1.6	+76	+126	+10	+24	+62	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.10	.86	-.030	134	76	\$4,500

Pen: B NICHOLS BOND SME208

ID: E208 birth 5/25/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
83	741	4.00	1379

K-LER MAKE IT RAIN
K-LER JAMES BOND 007
KLER HALLEY
SS EBONYS GRANDMASTER
NICHOLS KELLY Y7
NICHOLS KELLY W148

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+7	1.5	+68	+104	+7	+17	+51	88	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.18	.63	.007	122	71	\$4,500



**Gibbs 0689X
Crimson Tide's
heavy muscle,
plus his Epds
which rank him
in the top 10%
for Wean wt,
ADG, Year wt,
MCE, MWW, CW,
Marb, Shr, \$API
and \$TI makes
him a "keeper"**

production

carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	\$API	\$TI
+5	+2.4	+80	+131	+5	+19	+60	+4.4	+1.0	136	85

**Hooks Beacon
does it all. He
ranks first in
both \$API and
\$TI. Plus he's
in top 4% or
higher for 12
different EPD
categories
among PB Sim-
mentals, with 7
of them ranking
in the top 1%.**



production

carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	\$API	\$TI
+24	-3.7	+63	+96	+12	+33	+65	+6.4	+1.4	190	92

Pen: B NICHOLS BOND SME179

ID: E179 birth 4/27/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
80	765	3.78	1367

K-LER JAMES BOND 007
NICHOLS BOND A50
NICHOLS GALANT U100
NICHOLS MANIFEST Y43
NICHOLS MARA B204
NICHOLS MARA Y2

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+7	2.8	+76	+116	+9	+24	+61	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.12	.84	-.010	128	74	\$4,500

Pen: B NICHOLS MANIFEST SME001

ID: E1 birth 2/18/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
52	546	4.00	1211

NICHOLS LEGACY M72
NICHOLS MANIFEST T79
NICHOLS MCM N13
KS 600U BLACKWATCH
NICHOLS CHIP HJ16
CS MISS MAGIC KRISTA

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+9	1.5	+64	+98	+11	+22	+54	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.17	.66	-.065	122	71	\$4,000

Pen: B NICHOLS OVERLOAD SME028

ID: E028 birth 3/20/17

Individual Performance:

BW	205 Wt	ADG	Yrl Wt
93	649	4.18	1308

WLE OVERLOAD
NICHOLS OVERLOAD Z17
NICHOLS MCM N13
NICHOLS POWERLINE X39
NICHOLS BEAUTY SXB223
NICHOLS BEAUTY S49

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+8	3.3	+69	+110	+6	+17	+51	75	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.19	.72	-.036	124	66	\$4,000

Pen B —Nichols Better Sim Bulls —

Pen: B NICHOLS MANIFEST SME175

ID: E175 birth 4/22/17

NICHOLS MANIFEST T79
NICHOLS MANIFEST Z86
NICHOLS ANN P144
NICHOLS VENOM W95
NICHOLS CEZ Z36
NICHOLS CEZ W145

Individual Performance:

BW 205 Wt ADG Yrl Wt
86 736 3.31 1263

Expected Progeny Differences: EPDs

CE	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+10	1.5	+63	+99	+14	+25	+56	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	\$API	\$TI	Price
.21	.63	.004	126	71	\$4,000

Hooks Beacon does it all. He ranks first in both \$API and \$TI. Plus he's in top 4% or higher for 12 different EPD categories among PB Simmentals, with 7 of them ranking in the top 1%.



production carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	\$API	\$TI
+24	-3.7	+63	+96	+12	+33	+65	+64	+1.4	190	92

Nichols Shannigan F5 offers more calving ease and muscle than most bulls in the Simmental breed. Sensible mature size. Extra depth of body and fleshing ability. Top 1% of the breed for calving ease and maternal calving ease. Top 10% for Docility.



homo-poll & black

production carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	API	TI
+17	-.08	+52	+92	+20	+11	+37	-.21	+5	120	57

Pen: B NICHOLS BOND SME181

ID: E181 birth 4/28/17

K-LER MAKE IT RAIN
K-LER JAMES BOND 007
KLER HALLEY
NICHOLS MANIFEST T79
NICHOLS GALA Z38
NICHOLS GALA N54

Individual Performance:

BW 205 Wt ADG Yrl Wt
82 692 4.17 1351

Expected Progeny Differences: EPDs

CE	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+5	2.4	+66	+107	+7	+7	+56	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	\$API	\$TI	Price
.12	.77	-.032	113	69	\$4,000



Justin Dammann visits with Ross Havens about cross-breeding plans that will maximize heterosis and increase profit in his herd, which is located near Essex, Iowa. He has purchased 56 herd bulls from Nichols Farms the past six years.

Regardless of herd size, "Team Nichols" always stands ready to help their customers adopt a simple breeding plan, and will suggest bulls that will get the job done. Plus Ross will notify selected feedlots when their calves sell.

Pen B —Nichols Better Sim Bulls —

Pen: B NICHOLS OVERLOAD SME200

ID: E200 birth 5/15/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
95 654 4.40 1350

WLE OVERLOAD
 NICHOLS OVERLOAD Z66
 NICHOLS CEZ R6
 NICHOLS QUIET LAD T9
 NICHOLS FRECKLES SXZ005
 NICHOLS FRECKLES X115

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+10	2.1	+55	+89	+11	+24	+52	75	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.09	.51	-.030	114	57	\$4,000

Pen: B NICHOLS OVERLOAD SME155

ID: E155 birth 4/13/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
89 617 4.45 1311

NICHOLS OVERLOAD Z66
 NICHOLS OVERLOAD C143
 NICHOLS LINDEN X27
 K-LER JAMES BOND 007
 NICHOLS MISS DIA A114
 NICHOLS MISS DIA K133

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+6	3.7	+64	+104	+12	+19	+51	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.03	.76	-.046	115	64	\$3,500



Nichols Real Quiet W195 represents the epitome of a Nichols SX-1 Hybrid Bull. He started life with a 82 lb. birth wt. and weaned at 734 lbs. He gained 4.96 on test and finished with a 1529 lb. yearling wt.

production

carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	API	TI
+10	+4	+87	+148	+8	+26	+70	+13	+27	120	76

Pen: B NICHOLS UPGRADE SME214

ID: E214 birth 4/13/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
78 689 3.61 1219

MR NLC UPGRADE U8676
 NICHOLS UPGRADE B52
 NICHOLS GLITTER X83
 NICHOLS REAL QUIET W195
 NICHOLS LULA SXZ124
 NICHOLS LULA SXX109

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+9	2.5	+74	+122	+9	+23	+60	75	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.21	.75	-.064	123	72	\$4,000

Pen: B NICHOLS BOND SME199

ID: E199 birth 5/15/17

Individual Performance:

BW 205 Wt ADG Yrl Wt
83 695 3.60 1266

K-LER JAMES BOND 007
 NICHOLS BOND A50
 NICHOLS GALANT U100
 NICHOLS VENOM T32
 NICHOLS GALE X67
 NICHOLS GALE R164

Expected Progeny Differences: EPDs

CED	BW	WW	YW	CEM	MM	MW	%	Color	Poll
+7	2.8	+61	+92	+12	+25	+56	PB	hom	P

Carcass Merit EPDs:

Marb	REA	Fat	EPD Index \$API	\$TI	Price
.04	.70	-.037	118	63	\$3,500

JF American Pride sires thick bulls that gain in the feedlot and easy fleshing females. His balanced EPDs are in the top 25% for CE, Year wt, ADG, Stay, MCE, Carcass wt, Yield G, REA, API, and TI.



production

carcass

CE	BW	WW	YRL	MCE	MM	MWW	MARB	REA	API	TI
+12	+2.3	+79	+119	+10	+15	+54	+25	+56	140	79



***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
average	19.4	4.15	4.67	\$0.54

***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