

# Nichols Farms

12-2-20

## Private Treaty Bull Sale

*67 Years of 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 seedstock and our team... plus you become a part of the Nichols family."  
Come and take a look at some of the best bulls in the beef industry. —dave nichols*



**Producing Superior Beef Genetics That  
Are Tolerant to Fescue Toxicity**



Nichols Black Perfection X835 is pasture breeding Nichols PB Angus Cows on a hot July day on 100% Fescue pasture

*\*note: they're as slick haired and shiny as patent leather shoes*

**Nichols Farms**  
Superior Beef Genetics

# NICHOLS - BULL EXTRA Proven Performers

We're offering the yearling herd bulls that pasture bred our cows and heifers this year. These **Proven Performer Power Bulls** have amazing weaning weights, rates of gain, yearling weights and \$Value EPDs. They rank at or near the top in the seed stock industry, plus they're slick haired and tolerant to Fescue.

They are the "best of the best". That's why we used them. Their sons will be in our bull barn and for sale next year and their daughters will be grazing our un-clipped Fescue pastures.



**dave nichols**



**Nichols New Standard D30 is a "site for sore eyes". He moves like a cat and was almost born on his feet nursing. He ranks in the top 15% for CED, BW, WW, YW, RADG, CEM, CW, SW, SF, and \$C.**

### Expected Progeny Differences & ERT \$EPDs

CE	BW	WW	MM	YRL	RADG	\$M	\$W	\$F	\$B	\$C
+11	-.9	+70	+29	+133	+31	+56	+78	+109	+151	+262

**Angus** NICHOLS TRUST G284 #19591385

ID **G284** birth date 4/1/19

#### Individual Performance:

BW	205	ADG	Yrl	Frame
80	773	3.13	1277	6

MGR TREASURE  
CONNEALY FORTUNE 752L  
QUICK FAIR OF CONANGA 831  
NICHOLS QUIET LAD X41  
NICHOLS BARBARAMERE Z71  
NICHOLS BARBARAMERE W277

#### Expected Progeny Differences: EPDs

CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
+7	+6	+70	+22	+126	0.28	+8	+21	+5

#### Rank of G284 Economic Relative Traits (ERTs) annual \$ per head

\$Maternal	\$Wean	\$Feedlot	\$Grid	\$Beef	\$Combined
\$63	\$67	\$90	\$57	\$147	\$254
40%	25%	25%	20%	25%	20%

**Angus** NICHOLS KING G440 #19591434

ID **G440** birth date 5/5/19

#### Individual Performance:

BW	205	ADG	Yrl	Frame
90	846	3.77	1444	6.3

A A R TEN X 7008 S A  
NICHOLS KING D156  
NICHOLS BLACKBIRD Z155  
THOMAS TOP HAND 0536  
NICHOLS Optimum D196  
NICHOLS OPTIMUM B28

#### Expected Progeny Differences: EPDs

CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
+5	+2.7	+82	+24	+143	0.27	+11	+20	+8

#### Rank of G440 Economic Relative Traits (ERTs) annual \$ per head

\$Maternal	\$Wean	\$Feedlot	\$Grid	\$Beef	\$Combined
\$81	\$80	\$104	\$41	\$145	\$269
5%	5%	10%	60%	25%	10%

**Angus** NICHOLS NEW STANDARD G71 #19591319

ID **G71** birth date 3/19/19

#### Individual Performance:

BW	205	ADG	Yrl	Frame
77	654	4.49	1348	6.5

NICHOLS STANDARD A435  
NICHOLS NEW STANDARD D30  
NICHOLS LULA B14  
K C F BENNETT SOUTHSIDE  
NICHOLS MISS ELDINA D31  
NICHOLS MISS ELDINA X393

#### Expected Progeny Differences: EPDs

CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
+5	+2.6	+74	+25	+139	0.34	+14	+28	+1

#### Rank of G71 Economic Relative Traits (ERTs) annual \$ per head

\$Maternal	\$Wean	\$Feedlot	\$Grid	\$Beef	\$Combined
\$57	\$69	\$112	\$42	\$154	\$257
60%	20%	3%	55%	15%	20%



**K C F Commealy Fortune's EPDs are astounding, but his maternal inputs are even better. His dam had 8 calves — his granddam had 10. His EPDs rank him in the top 1% for WW YW RADG CWA and \$B. Top 2% \$F \$G & \$C.**

### Expected Progeny Differences & ERT \$EPDs

CE	BW	WW	MM	YRL	RADG	\$M	\$W	\$F	\$B	\$C
+4	+1.6	+92	+13	+166	+36	+45	+71	+119	+198	+302

**Angus** NICHOLS EXTRA G160 #19591345

ID **G160** birth date 03/25/19

#### Individual Performance:

BW	205	ADG	Yrl	Wt
84	615	4.01	1257	

K C F BENNETT SOUTHSIDE  
NICHOLS EXTRA E57  
NICHOLS QUEEN MOTHER R387  
NICHOLS FINAL ANSWER Y34  
NICHOLS QUEEN MOTHER C87  
NICHOLS QUEEN MOTHER

#### Expected Progeny Differences: EPDs

CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
+4	+2	+66	+26	+119	+27	+11	+34	+1.7

#### Economic Relative \$ Values: EPDs

\$ Maternal	\$ Wean	\$ Feedlot	\$ Beef	\$ Combined	CE
\$80	\$67	\$110	\$147	\$271	heifers
					price \$4,500



# NICHOLS - BULL EXTRA Proven Performers

## Angus NICHOLS STALWART G254 #19594413

ID **G254** birth date **03/31/19**

SILVEIRAS CONVERSION 8064  
BUBS SOUTHERN CHARM AA31  
HICKORY HILL ERICA 009  
NICHOLS FINAL ANSWER Y34  
NICHOLS BLK HEIRESS E121  
NICHOLS BLK HEIRESS U279

**Individual Performance:**

BW	205	ADG	YrLWt
82	620	3.86	1246

**Expected Progeny Differences: EPDs**

CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
+7	+3	+63	+31	+110	+2.6	+7	+24	+1.2

**Economic Relative \$ Values: EPDs**

\$ Maternal	\$ Wean	\$ Feedlot	\$ Beef	\$ Combined	CE
\$76	\$66	\$80	\$129	\$243	cow
					price \$4,500



## Angus NICHOLS HORIZON G281 #19591384

ID **G281** birth date **04/01/19**

G A R SUNRISE  
NICHOLS HORIZON C23  
NICHOLS LULA A75  
NICHOLS TARGET W2  
NICHOLS BIRDIES Y280  
NICHOLS BIRDIES U123

**Individual Performance:**

BW	205	ADG	YrLWt
84	708	3.03	1196

**Expected Progeny Differences: EPDs**

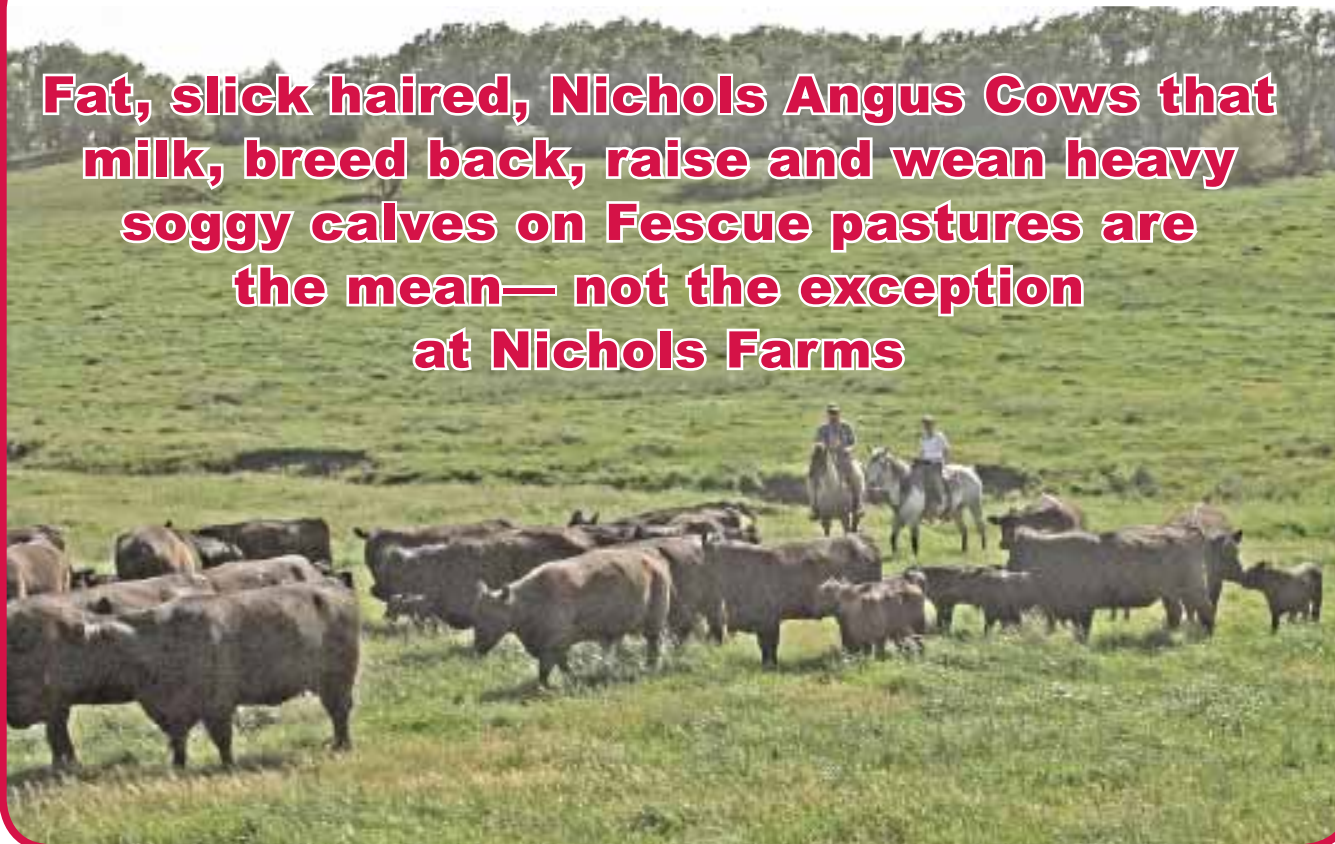
CED	BW	WW	MM	YW	RADG	CEM	DOC	SCR
-1	+4.8	+71	+24	+130	+3.0	+3	+20	+1.23

**Economic Relative \$ Values: EPDs**

\$ Maternal	\$ Wean	\$ Feedlot	\$ Beef	\$ Combined	CE
\$30	\$54	\$100	\$130	\$199	cow
					price \$4,500

A pure bred Angus heifer with her day old calf. Nichols' attention to Calving Ease Maternal is critical for Alex Antidel who calves and cares for 250 Nichols first calf heifers. Nichols does NOT want 65 lb calves at birth, They select for 75 lb - 90 lb. calves that get going... and keep going.

**Fat, slick haired, Nichols Angus Cows that milk, breed back, raise and wean heavy soggy calves on Fescue pastures are the mean— not the exception at Nichols Farms**



# NICHOLS BULL EXTRA - Coming Two Year Old Simmentals



**Sim** NICHOLS SPOTLIGHT SMG011 #3602528

**ID G11** birth date 3/16/19  
 Individual Performance: HOOKS SHEAR FORCE 38K  
 HOOK'S BEACON 56B  
 HOOKS ZAFIRAH 41Z  
 NICHOLS MANIFEST T79  
 NICHOLS CEZ SME135  
 NICHOLS CEZ A64

BW	205	ADG	YrL Wt
79	680	2.80	1147

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+14	-1.4	+72	+110	+11	+23	+59

**Economic Relative \$ Indexes**      **Convenience Traits**

\$All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$168	\$82	hom	PB

Price .....\$4,000

**Sim** NICHOLS VARSITY SMG130 #3602561

**ID G130** birth date 4/22/19  
 Individual Performance: GIBBS 0689X CRIMSON TIDE  
 NICHOLS VARSITY C4  
 NICHOLS GALANT U74  
 NICHOLS OVERLOAD Z66  
 NICHOLS BEAUTY D259  
 NICHOLS BEAUTY S259

BW	205	ADG	YrL Wt
86	703	2.50	1096

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+9.4	+1.0	+74	+106	+4	+26	+63

**Economic Relative \$ Indexes**      **Convenience Traits**

\$All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$114	\$68	hom	PB

Price .....\$3,500

**Sim** NICHOLS ALLEGIANCE SMG013 #3602497

**ID G13** birth date 4/19/19  
 Individual Performance: SVF ALLEGIANCE Y802  
 HLNS ALLEGIANCE 15D  
 CR MS MANIFEST Z26  
 NICHOLS MANIFEST Z86  
 NICHOLS GALANT SME158  
 NICHOLS GALANT A34

BW	205	ADG	YrL Wt
85	622	2.58	1053

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+8.7	+2.4	+79	+120	+7	+24	+63

**Economic Relative \$ Indexes**      **Convenience Traits**

\$All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$121	\$70	hom	PB

Price .....\$3,500

**Sim** NICHOLS VARSITY SMG200 #3602569

**ID G200** birth date 5/5/19  
 Individual Performance: GIBBS 0689X CRIMSON TIDE  
 NICHOLS VARSITY C4  
 NICHOLS GALANT U74  
 NICHOLS OVERLOAD Z66  
 NICHOLS GALANT D65  
 NICHOLS GALANT P60

BW	205	ADG	YrL Wt
77	669	3.05	1153

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+12	-1.4	+53	+63	+7	+24	+50

**Economic Relative \$ Indexes**      **Convenience Traits**

\$All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$132	\$4	hom	PB

Price .....\$3,500

**Sim** NICHOLS VARSITY SMG056 #3602541

**ID G56** birth date 3/25/19  
 Individual Performance: GIBBS 0689X CRIMSON TIDE  
 NICHOLS VARSITY C16  
 NICHOLS CEZ T4  
 NICHOLS QUIET LAD Z228  
 NICHOLS KELLY SXB150  
 NICHOLS KELLY P25

BW	205	ADG	YrL Wt
82	682	3.08	1147

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+13	+5	+65	+101	+9	+24	+57

**Economic Relative \$ Indexes**      **Convenience Traits**

\$All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$127	\$68	hom	75

Price .....\$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



**HEADQUARTERS FOR HETEROISIS**



50 years of Nichols Bulls  
Gibbs Cattle Co - Harrison, Nebraska

**These Nichols South Devon Bulls were leased to and used at the USDA Meat Animal Research Center at Clay Center, NE for researching their genomics and phenotypic traits.**

**BC Progress 315 U is a pure bred South Devon bull that lives up to his name. His Trait Leader EPDs, attractive phenotype, gentle disposition and functional soundness represents multi-trait progress. He can compete with any breed. Owned by Nichols Farms**



**his Trait Leader EPDs, attractive phenotype, gentle disposition and functional soundness represents multi-trait progress. He can compete with any breed. Owned by Nichols Farms**

*production* *carcass*

BW	WW	MM	YRL	MARB	REA	FAT	CAR WT.	YIELD %
+3	+62	+29	+131	+5	+40	-.02	+53	+1.4

**Devon NICHOLS DS DSG040**

Reg # 215511

**ID DSG040** birth date 4/15/19

**Individual Performance:**

BW	205	ADG	Yrl Wt
85	751	3.01	1228

NICHOLS T807  
NICHOLS DS A406  
MMM PERFECTION X923  
MMM UNTOUCHABLE W810  
MMM BRANDY CREEK A916  
NICHOLS P902

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	MM	CEM	MWW
+9	+1.9	+70	+94	+22	+5	+57

**Carcass Merit - EPDs**

Marb	RE	Fat	%	Color
.5	.27	-.08	PB	pend

Price \$4,500

**Devon NICHOLS DS DSG039**

Reg # 215510

**ID DSG039** birth date 4/15/19

**Individual Performance:**

BW	205	ADG	Yrl Wt
86	719	3.14	1219

NICHOLS T807  
NICHOLS DS A406  
MMM PERFECTION X923  
NICHOLS T807  
NICHOLS FAVOR Z918  
MMM FAVOR W920

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	MM	CEM	MWW
+8	+1.8	+65	+87	+29	+4.5	+61

**Carcass Merit - EPDs**

Marb	RE	Fat	%	Color
.4	0.32	-0.08	PB	hom

Price \$4,500

**Devon NICHOLS DS DSG048**

Reg # 215516

**ID DSG048** birth date 4/20/19

**Individual Performance:**

BW	205	ADG	Yrl Wt
83	716	3.02	1182

NICHOLS T807  
NICHOLS DS A406  
MMM PERFECTION X923  
NICHOLS T807  
MMM BRANDY CREEK B902  
BRANDY CREEK 134K

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	MM	CEM	MWW
+8	+2.4	+63	+83	+24	+4	+56

**Carcass Merit - EPDs**

Marb	RE	Fat	%	Color
0.4	0.31	-.08	PB	hom

Price \$4,000

**DX1 NICH MONEYMAKER DXG049**

#3605345

**ID G49**

birth date 4/22/19

**Individual Performance:**

BW	205	ADG	Yrl Wt
70	625	3.33	1141

NICHOLS MAJESTIC Y808  
NICHOLS BARON DXC008  
NICHOLS BARBARAMER Y439  
BC PROGRESS 315U  
NFL NICHOLS MAY DXA067  
NICHOLS MAY W34

**Expected Progeny Differences: EPDs**

CED	BW	WW	YW	CEM	MM	MWW
+14	-0.8	+73	+121	+6	+14	+50

**Economic Relative \$ Indexes**

**Convenience Traits**

\$ All Purpose (API)	\$ Terminal (TI)	Black Color	%
\$162	\$95	hom	DX1

Price \$4,000

**Nichols Majestic Y808 is a Powerful South Devon Bull. Pictured knee deep in fescue pasture breeding cows. He'll add muscle, marbling, and maternal. Two generations of Nichols breeding.**



*production*

*carcass*

BW	WW	YRL	SCR	MM	MWW	MARB	REA	RETAIL	CAR WT
+3.7	+72	+102	+1	+20	+56	+0.4	+5	+0.0	24.4

# NICHOLS BULL EXTRA - Coming Two Year Olds DS & DX



## Nichols Farms

Superior Beef Genetics

### Devon NICHOLS DS DSG050

Reg # 215517

**ID DSG050** birth date 4/20/19

**Individual Performance:**

<i>BW</i>	205	<i>ADG</i>	3.01	<i>YrL Wt</i>	1116
<b>80</b>	<b>638</b>	<b>3.01</b>	<b>1116</b>		

NICHOLS T807  
NICHOLS DS A406  
MMM PERFECTION X923  
CIMARRON REBEL 941W  
NICHOLS PERFECTION Z915  
MMM PERFECTION X961

**Expected Progeny Differences: EPDs**

<i>CED</i>	<i>BW</i>	<i>WW</i>	<i>YW</i>	<i>MM</i>	<i>CEM</i>	<i>MWW</i>
<b>+8</b>	<b>+9</b>	<b>+59</b>	<b>+83</b>	<b>+27</b>	<b>+6</b>	<b>+56</b>

**Carcass Merit - EPDs**

<i>Marb</i>	<i>RE</i>	<i>Fat</i>	<i>%</i>	<i>Color</i>
<b>0.4</b>	<b>0.23</b>	<b>-0.08</b>	<b>PB</b>	<b>hom</b>

**Price** \$3,500

### Devon NICHOLS PROGRESS DSG055

Reg # 215519

**ID DSG055** birth date 4/22/19

**Individual Performance:**

<i>BW</i>	205	<i>ADG</i>	4.29	<i>YrL Wt</i>	1279
<b>92</b>	<b>613</b>	<b>4.29</b>	<b>1279</b>		

NFL PROGRESS DSB014  
NFL PROGRESS DSE075  
NFL NICHOLS LAS DXB001  
BC PROGRESS 315U  
NFL BLACKCAP DXB006  
NICHOLS BLACKCAP T117

**Expected Progeny Differences: EPDs**

<i>CED</i>	<i>BW</i>	<i>WW</i>	<i>YW</i>	<i>MM</i>	<i>CEM</i>	<i>MWW</i>
<b>+9</b>	<b>+0.9</b>	<b>+64</b>	<b>+112</b>	<b>+14</b>	<b>+7</b>	<b>+46</b>

**Carcass Merit - EPDs**

<i>Marb</i>	<i>RE</i>	<i>Fat</i>	<i>%</i>	<i>Color</i>
<b>0.6</b>	<b>0.23</b>	<b>-0.02</b>	<b>75</b>	<b>het</b>

**Price** \$4,500

### Devon NICHOLS MAJESTIC DSG057

Reg # 215520

**ID DSG057** birth date 4/22/19

**Individual Performance:**

<i>BW</i>	205	<i>ADG</i>	3.01	<i>YrL Wt</i>	1174
<b>94</b>	<b>707</b>	<b>3.01</b>	<b>1174</b>		

NICHOLS MAJESTIC Y808  
NFL MAJESTIC DSE084  
NICHOLS PERFECTION Z915  
CIMARRON CARUSO 923W  
NFL BIRDIES DSD069  
NFL NICHOLS BIRDIES DXA057

**Expected Progeny Differences: EPDs**

<i>CED</i>	<i>BW</i>	<i>WW</i>	<i>YW</i>	<i>MM</i>	<i>CEM</i>	<i>MWW</i>
<b>+5</b>	<b>+4</b>	<b>+74</b>	<b>+106</b>	<b>+9</b>	<b>+2</b>	<b>+45</b>

**Carcass Merit - EPDs**

<i>Marb</i>	<i>RE</i>	<i>Fat</i>	<i>%</i>	<i>Color</i>
<b>0.4</b>	<b>0.32</b>	<b>-0.05</b>	<b>PB</b>	<b>hom</b>

**Price** \$3,500

### DAX2 NICHOLS BARON DAG061

#3603197

**ID G61** birth date 4/3/19

**Individual Performance:**

<i>BW</i>	205	<i>ADG</i>	3.03	<i>YrL Wt</i>	1178
<b>73</b>	<b>677</b>	<b>3.03</b>	<b>1178</b>		

MMM UNTOUCHABLE W810  
MJB BLACK JACK 424B  
MJB NIKKI 3657N  
NICHOLS QUIET LAD X41  
NICHOLS CEZ SXE177  
NICHOLS CEZ P95

**Expected Progeny Differences: EPDs**

<i>CED</i>	<i>BW</i>	<i>WW</i>	<i>YW</i>	<i>CEM</i>	<i>MM</i>	<i>MWW</i>
<b>+11</b>	<b>-1.1</b>	<b>+51</b>	<b>+81</b>	<b>+5</b>	<b>+23</b>	<b>+48</b>

**Economic Relative \$ Indexes**

<i>\$All Purpose (API)</i>	<i>\$ Terminal (TI)</i>	<i>Black Color</i>	<i>%</i>
<b>+125</b>	<b>+64</b>	<b>het</b>	<b>DAX2</b>

**Convenience Traits**

**Price .....\$4,000**

**South Devon** cattle are an English breed whose traits compliment both English and Continental cattle breeds. They are known for their maternal longevity and docility.

Cow/calf producers who wanted high levels of heterosis, fertility, low feed intake, and high weaning weights found South Devons delivered.

In the nation's feedlots, South Devon cross bred steers have excelled with hybrid vigor, feed efficiency, superior carcass merit, especially marbling and tenderness.

# Welcome to Nichols Farms

## Sale Terms and Conditions - 2020

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.

- ✓ *Volume discounts*
- ✓ *Health & Death Warranty (limited)*
- ✓ *\$100 off if you pick up your Bull(s)*
- ✓ *Free of Genetic Abnormalities— AM, NH, MI, CA, DD, MI, TH, and PH by pedigree or DNA test*

2188 Clay Avenue ♦ Bridgewater, Iowa 50837

office 641-369-2829

Dave's home 712-762-3810

fax 641-369-2932

Ross Havens cell 641-745-5241

[www.nicholsfarms.biz](http://www.nicholsfarms.biz)

## Weaning & Feedlot \$ Value EPDs

\$Values EPDs are reported in \$ per head—  
i.e. (\$W) +19 (\$F) +22 (\$G) +19 (\$B) +37 (\$C) +66

- ♦ **\$Values EPDs**, are computed for \$Weaning, (weaning wt.), \$Feedlot (days on feed, daily rate of gain, ration cost) and \$Grid (Choice-Select spread and Yield Grade 4 & 5s) and \$Beef (heavy wt. carcass discounts).
- ♦ **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 compared to progeny of other Angus sires.
- ♦ **Grid Value (\$G)** combines quality grade and yield grade and is calculated for animals with carcass EPDs, ultrasound EPDs, or both types of EPDs.
- ♦ **Beef Value (\$B)** represents the expected average dollar per head difference in the progeny feedlot performance and carcass value compared to progeny of other Angus sires. Beef Value (\$B) is comprised of: Feedlot Value (\$F), Grid Value (\$G,) and wt. discounts.
- ♦ **\$Combined (\$C) and All Purpose Index (API)** combine \$Maternal and \$Beef for **Total \$ Value** of epds.



**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.





**\*Feed Conversion Details** ♦ October 23 - January 3 (72 days)

<i>Breed</i>	<i>Feed Intake (dry)</i>	<i>dry Feed/Lb. of Gain</i>	<i>Cost/Lb./Gain</i>
Angus	17.08	4.72	\$0.51
Simmental	18.46	5.10	\$0.54
SX1	16.88	4.51	\$0.47
South Devon	16.41	5.05	\$0.48
NF DAX 2	16.61	4.07	\$0.37
<i>average</i>	<i>17.07</i>	<i>4.69</i>	<i>\$0.49</i>

**\*TMR Ration Details**

<i>Discription</i>	<i>Dry Matter (%)</i>	<i>Lbs./day/bull</i>	<i>% Ration</i>
Distillers Syrup	25.00	1.48	8.72
Ground Hay	85.00	3.79	22.22
Earlage	65.00	8.29	48.84
Corn	86.00	1.28	7.50
Modified Distillers	43.00	1.28	7.50
ADM Amino Gain	99.00	0.95	5.52

\* The Nichols bull ration is a wet, 41% moisture and 21% roughage ration designed to maximize lean gain and proper structural development of breeding bulls. The average daily feed cost for these bulls was \$1.87. Their cost per lb. of gain of \$0.49. The USA average feed conversion for implanted feedlot beef breed steers on a 95% concentrate dry ration is 6.1 lbs. of feed per lb. of gain.