

Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 10776479 | N Bar Emulation EXT | 1986 | +1.06 | .82 | +.90 | .81 | 67 |
| 11750711 | Leachman Right Time | 1992 | +.97 | .77 | +.85 | .75 | 43 |
| 12310707 | Sitz Alliance 6595 | 1995 | +.39 | .80 | +.25 | .79 | 55 |
| 12514348 | O C C Emblazon 854E | 1995 | +.82 | .78 | +.67 | .77 | 46 |
| 12530601 | Rito 6I6 of 4B20 6807 | 1996 | +.88 | .79 | +.89 | .78 | 73 |
| 12532972 | Moderator P C 4034 | 1994 | +.60 | .65 | +.62 | .64 | 41 |
| 12783540 | Bon View New Design 1407 | 1997 | +.22 | .81 | +.52 | .80 | 65 |
| 13009379 | C R A Bextor 872 5205 608 | 1998 | +.34 | .76 | +.42 | .75 | 63 |
| 13026916 | Connealy Freightliner | 1997 | +.35 | .74 | +.50 | .72 | 61 |
| 13050780 | Boyd New Day 8005 | 1998 | +.50 | .78 | +.58 | .77 | 69 |
| 13058662 | Hyline Right Time 338 | 1998 | +.57 | .75 | +.41 | .74 | 45 |
| 13062750 | Bon View New Design 878 | 1998 | +.32 | .85 | +.41 | .84 | 160 |
| 13395329 | G A R Retail Product | 1999 | +.75 | .83 | +.53 | .83 | 158 |
| 13395344 | G A R Predestined | 1999 | +.51 | .81 | +.63 | .80 | 83 |
| 13447282 | Connealy Lead On | 1999 | +.19 | .81 | +.37 | .79 | 105 |
| 13512009 | S A V 8180 Traveler 004 | 2000 | +.54 | .83 | +.60 | .82 | 104 |
| 13592905 | S A V Final Answer 0035 | 2000 | +.49 | .90 | +.37 | .90 | 471 |
| 13627989 | O C C Juneau 807J | 1999 | +.69 | .70 | +.66 | .68 | 47 |
| 13728513 | G A R New Design 5050 | 2000 | +.45 | .79 | +.55 | .77 | 62 |
| 13739532 | H A Image Maker 0415 | 2000 | +.46 | .79 | +.24 | .78 | 89 |
| 13752642 | Nichols Extra K205 | 2000 | +.69 | .76 | +.71 | .75 | 83 |
| 13776378 | S S Objective T510 0T26 | 2000 | +.67 | .83 | +.61 | .82 | 114 |
| 13793826 | Rito 1I2 of 2536 Rito 6I6 | 2001 | +.68 | .74 | +.66 | .73 | 44 |
| 13880818 | Mytty In Focus | 2001 | +.38 | .89 | +.42 | .89 | 365 |
| 13896250 | H S A F Bando 1961 | 2001 | +.95 | .73 | +.79 | .71 | 52 |
| 13898124 | BR Midland | 2000 | +.56 | .74 | +.57 | .73 | 43 |
| 13913492 | E&B 1680 Precision 1023 | 2001 | +.73 | .74 | +.72 | .72 | 70 |
| 13936986 | Woodhill Foresight | 2001 | +.66 | .75 | +.57 | .73 | 51 |
| 13992383 | H A Power Alliance 1025 | 2001 | +.51 | .69 | +.41 | .67 | 47 |
| 14094252 | Sitz New Design 349M | 2002 | -.04 | .71 | +.30 | .70 | 66 |
| 14311951 | Sinclair Net Present Value | 2002 | +.80 | .68 | +.65 | .66 | 40 |
| 14492305 | ER Justice N013 | 2003 | +.34 | .79 | +.45 | .78 | 118 |
| 14518270 | KG 5594 Traveler 3020 | 2003 | +.43 | .72 | +.16 | .70 | 66 |
| 14560689 | ALC Big Eye D09N | 2003 | +.66 | .73 | +.54 | .72 | 51 |
| 14675445 | B/R New Day 454 | 2004 | +.50 | .81 | +.35 | .80 | 133 |
| 14691231 | GDAR Game Day 449 | 2004 | +.81 | .87 | +.68 | .86 | 307 |
| 14725035 | S A V 004 Density 4336 | 2004 | +.76 | .69 | +.72 | .68 | 50 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 14739204 | S A V Net Worth 4200 | 2004 | +.70 | .81 | +.77 | .80 | 93 |
| 14777016 | MCC Daybreak | 2004 | +.16 | .75 | +.22 | .74 | 51 |
| 14844711 | TC Total 410 | 2004 | +.67 | .78 | +.70 | .77 | 65 |
| 14850409 | Summitcrest Complete 1P55 | 2004 | +.25 | .76 | +.26 | .74 | 63 |
| 14940735 | O C C Paxton 730P | 2004 | +.79 | .71 | +.71 | .70 | 45 |
| 14963730 | Sitz Upward 307R | 2005 | +.47 | .89 | +.51 | .89 | 383 |
| 15098880 | GAR-EGL Protege | 2004 | +.40 | .74 | +.42 | .73 | 54 |
| 15109865 | S A V Bismarck 5682 | 2005 | +.80 | .87 | +.61 | .86 | 312 |
| 15148659 | Connealy Thunder | 2005 | +.44 | .86 | +.37 | .85 | 264 |
| 15161251 | HA Program 5652 | 2005 | +.49 | .75 | +.49 | .73 | 73 |
| 15180461 | Kessler's Frontman R001 | 2005 | +.22 | .77 | +.15 | .75 | 84 |
| 15330743 | SydGen C C & 7 | 2006 | +.52 | .84 | +.61 | .83 | 162 |
| 15339275 | PAR Dakota Homer 95 | 2005 | +1.06 | .74 | +1.06 | .73 | 81 |
| 15354674 | SydGen Trust 6228 | 2006 | +.56 | .74 | +.38 | .73 | 71 |
| 15372516 | GDAR Justice 622 | 2006 | +.51 | .73 | +.58 | .71 | 66 |
| 15491720 | Connealy In Focus 4925 | 2006 | +.21 | .76 | +.28 | .75 | 107 |
| 15511451 | S Chisum 6175 | 2006 | +.11 | .80 | +.13 | .79 | 125 |
| 15513367 | Connealy Consensus | 2006 | +.66 | .77 | +.69 | .76 | 65 |
| 15543702 | Connealy Impression | 2006 | +.40 | .83 | +.39 | .82 | 165 |
| 15636992 | Sitz Wisdom 481T | 2007 | +.49 | .75 | +.49 | .73 | 78 |
| 15656868 | Sitz Dash 10277 | 2007 | +.62 | .84 | +.55 | .83 | 209 |
| 15688351 | S A V Priority 7283 | 2007 | +.69 | .71 | +.46 | .69 | 61 |
| 15688392 | S A V Pioneer 7301 | 2007 | +.20 | .79 | +.09 | .77 | 91 |
| 15719841 | A A R Ten X 7008 S A | 2007 | +.04 | .89 | +.15 | .88 | 415 |
| 15776681 | V D A R Really Windy 4097 | 2007 | +.30 | .78 | +.49 | .76 | 100 |
| 15804077 | Koupal Juneau 797 | 2007 | +.71 | .66 | +.56 | .65 | 42 |
| 15832714 | Connealy Mentor 7374 | 2007 | +.76 | .76 | +.62 | .74 | 85 |
| 15832750 | Connealy Right Answer 746 | 2007 | +.64 | .82 | +.45 | .81 | 154 |
| 15840414 | TC Aberdeen 759 | 2007 | +.27 | .80 | +.30 | .78 | 107 |
| 15848422 | Connealy Final Product | 2007 | +.91 | .85 | +.76 | .84 | 251 |
| 15899735 | MOGCK Sure Shot | 2007 | +.51 | .69 | +.49 | .68 | 42 |
| 15980098 | C C A Emblazon 702 | 2007 | +1.00 | .67 | +.91 | .66 | 54 |
| 16004857 | Werner War Party 2417 | 2007 | +.18 | .80 | +.31 | .78 | 135 |
| 16047404 | Basin Excitement | 2008 | +.54 | .80 | +.49 | .78 | 150 |
| 16107774 | S A V Brilliance 8077 | 2008 | +.64 | .82 | +.57 | .81 | 191 |
| 16115617 | S A V Iron Mountain 8066 | 2008 | +.43 | .71 | +.50 | .69 | 44 |
| 16124994 | Hoover Dam | 2008 | +.61 | .88 | +.45 | .87 | 403 |

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|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 16134394 | Cole Creek Cedar Ridge 1V | 2008 | +.23 | .72 | +.14 | .70 | 61 |
| 16198796 | EF Complement 8088 | 2008 | +.48 | .75 | +.37 | .74 | 84 |
| 16205036 | Connealy In Sure 8524 | 2008 | +.59 | .65 | +.57 | .64 | 40 |
| 16207085 | Benfield Substance 8506 | 2008 | +.65 | .71 | +.46 | .70 | 55 |
| 16226527 | WMR Timeless 458 | 2008 | +.50 | .74 | +.50 | .73 | 68 |
| 16237970 | Apex Windy 078 | 2008 | +.14 | .77 | +.28 | .76 | 106 |
| 16244342 | Styles Upgrade J59 | 2008 | +.45 | .70 | +.59 | .68 | 48 |
| 16270429 | Sitz Upside 547W | 2009 | +.42 | .73 | +.49 | .72 | 64 |
| 16295688 | G A R Prophet | 2008 | +.42 | .85 | +.42 | .84 | 229 |
| 16364794 | Coleman Regis 904 | 2009 | +.29 | .75 | +.34 | .74 | 76 |
| 16381311 | PA Power Tool 9108 | 2009 | +.27 | .79 | +.27 | .78 | 141 |
| 16396499 | S A V Thunderbird 9061 | 2009 | +.34 | .68 | +.30 | .67 | 54 |
| 16396523 | S A V Prosperity 9131 | 2009 | +.72 | .71 | +.54 | .69 | 59 |
| 16396531 | S A V Bruiser 9164 | 2009 | +.49 | .71 | +.42 | .69 | 75 |
| 16400429 | Vin-Mar O'Reilly Factor | 2009 | +.26 | .69 | +.24 | .67 | 55 |
| 16427563 | Silveiras Style 9303 | 2009 | +.36 | .67 | +.54 | .66 | 63 |
| 16430795 | K C F Bennett Absolute | 2009 | +.53 | .82 | +.54 | .81 | 198 |
| 16430862 | K C F Bennett Southside | 2009 | +.54 | .79 | +.64 | .78 | 168 |
| 16433346 | S Summit 956 | 2009 | +.63 | .68 | +.44 | .67 | 53 |
| 16447771 | Connealy Consensus 7229 | 2009 | +.55 | .88 | +.56 | .88 | 423 |
| 16447791 | Connealy Final Solution | 2009 | +.50 | .68 | +.53 | .66 | 42 |
| 16476949 | Baldrige Waylon W34 | 2009 | +.23 | .76 | +.23 | .75 | 79 |
| 16496980 | G A R Composure | 2009 | +.14 | .70 | +.14 | .68 | 59 |
| 16526314 | HF Tiger 5T | 2007 | +.70 | .72 | +.54 | .70 | 65 |
| 16541214 | EXAR Upshot 0562B | 2010 | +.42 | .80 | +.35 | .79 | 164 |
| 16551184 | Sitz Tebow 11860 | 2010 | +.24 | .56 | +.20 | .54 | 12 |
| 16559105 | Sitz Top Game 561X | 2010 | +.34 | .71 | +.45 | .69 | 55 |
| 16562441 | Sitz Final Statement 618X | 2010 | +.55 | .48 | +.51 | .46 | 5 |
| 16568189 | Soo Line Motive 9016 | 2009 | +.75 | .75 | +.74 | .74 | 85 |
| 16584283 | Coleman Juneau 044 | 2010 | +.71 | .54 | +.57 | .52 | 16 |
| 16608684 | Diamond in the Rough | 2010 | +.17 | .48 | +.30 | .45 | 13 |
| 16644974 | C C A Uno 049 | 2010 | +.55 | .49 | +.49 | .47 | 5 |
| 16644975 | Tombstone 050 | 2010 | +.51 | .60 | +.44 | .58 | 21 |
| 16647203 | Stevenson Rockmount RX933 | 2010 | +.28 | .63 | +.20 | .61 | 35 |
| 16648841 | Sinclair Fortunate Son | 2010 | +.62 | .62 | +.64 | .61 | 39 |
| 16651533 | Riverbend Peerless 0016 | 2010 | +.54 | .52 | +.49 | .51 | 14 |
| 16665803 | LD Emblazon 999 | 2009 | +.36 | .66 | +.31 | .64 | 54 |

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|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 16678311 | CCC Merritt 030 | 2010 | +.64 | .49 | +.63 | .47 | 9 |
| 16687591 | S A V Beacon 0008 | 2010 | +.33 | .57 | +.34 | .55 | 21 |
| 16687592 | S A V Platinum 0010 | 2010 | +.33 | .68 | +.30 | .66 | 55 |
| 16687663 | S A V Pursuit 0160 | 2010 | +.18 | .48 | +.20 | .46 | 10 |
| 16687683 | S A V Potential 0205 | 2010 | +.32 | .55 | +.30 | .53 | 14 |
| 16687737 | S A V Harvestor 0338 | 2010 | +.47 | .69 | +.46 | .67 | 54 |
| 16692552 | Plattemere Weigh Up K360 | 2010 | +.45 | .87 | +.43 | .86 | 322 |
| 16704438 | S Chisum 0139 | 2010 | +.49 | .59 | +.50 | .58 | 30 |
| 16706194 | Woodhill Daybreak U280-X20 | 2010 | +.65 | .48 | +.59 | .46 | 8 |
| 16710463 | Koupals B&B Identity | 2010 | +.60 | .77 | +.63 | .76 | 105 |
| 16710494 | Koupals B&B Extra 0011 | 2010 | +.56 | .48 | +.75 | .46 | 10 |
| 16718300 | R B Active Duty 010 | 2010 | +.23 | .71 | +.37 | .69 | 56 |
| 16731737 | Ellingson Scotsman 0010 | 2010 | +.17 | .52 | +.17 | .50 | 14 |
| 16734345 | TC Vance 011 | 2010 | +.52 | .49 | +.41 | .48 | 6 |
| 16742733 | PCC FSR Real McCoy 1918X | 2010 | +1.07 | .71 | +.91 | .71 | 106 |
| 16745888 | Bushs Unbelievable423 | 2010 | +.61 | .49 | +.68 | .47 | 10 |
| 16748826 | Jindra Double Vision | 2010 | +.41 | .74 | +.44 | .73 | 98 |
| 16748948 | Connealy Harmony 0171 | 2010 | +.55 | .49 | +.49 | .48 | 9 |
| 16748950 | Connealy Combination 0188 | 2010 | +.76 | .67 | +.83 | .65 | 48 |
| 16750531 | Connealy Heat 0243 | 2010 | +.53 | .49 | +.55 | .47 | 8 |
| 16750909 | Poss Easy Impact 0119 | 2010 | +.78 | .55 | +.68 | .53 | 6 |
| 16752262 | Connealy Capitalist 028 | 2010 | +.49 | .86 | +.36 | .85 | 337 |
| 16754476 | BCC Jaf Upward 15X | 2010 | +.57 | .48 | +.64 | .46 | 10 |
| 16761479 | Connealy Confidence 0100 | 2010 | +.57 | .82 | +.56 | .81 | 161 |
| 16761484 | Connealy Irish 0204 | 2010 | +.61 | .60 | +.51 | .58 | 30 |
| 16761492 | Connealy Consensus 578B | 2010 | +.54 | .59 | +.41 | .57 | 26 |
| 16761497 | Connealy Counselor | 2010 | +.58 | .76 | +.60 | .74 | 94 |
| 16761727 | Dameron First Impression | 2010 | +.58 | .54 | +.53 | .52 | 25 |
| 16761830 | PCC FSR Hayden 2071X | 2010 | +.94 | .48 | +.91 | .47 | 11 |
| 16762739 | baldrige Xpand x743 | 2010 | +.30 | .56 | +.33 | .54 | 14 |
| 16764044 | KM Broken Bow 002 | 2010 | +.31 | .85 | +.43 | .84 | 340 |
| 16771888 | K C F Bennett Homestead | 2010 | +.73 | .68 | +.39 | .66 | 53 |
| 16772185 | PA Safeguard 021 | 2010 | +.93 | .73 | +.83 | .72 | 73 |
| 16777360 | PCC SSCC Mojo 1704X | 2010 | +.23 | .54 | +.18 | .53 | 20 |
| 16796888 | KG Solution 0018 | 2010 | +.31 | .76 | +.37 | .75 | 110 |
| 16805884 | PVF Insight 0129 | 2010 | +.40 | .84 | +.56 | .83 | 321 |
| 16822472 | EF Authentic 0829 | 2010 | +.70 | .60 | +.59 | .58 | 23 |

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|------------------|--------------------------|----------|----------|----------|-----------|-----------|---------|
| 16829413 | SandPoint Butkus X797 | 2010 | +.67 | .74 | +.44 | .72 | 80 |
| 16858775 | Bruin Uproar 0070 | 2010 | +.37 | .68 | +.40 | .66 | 50 |
| 16860273 | Thomas Top Hand 0536 | 2010 | +.62 | .50 | +.63 | .48 | 11 |
| 16879074 | Coleman Charlo 0256 | 2010 | +.60 | .86 | +.44 | .85 | 334 |
| 16880262 | Coleman Manning 0299 | 2010 | +.69 | .49 | +.66 | .47 | 8 |
| 16896296 | Connealy Uptown 098E | 2010 | +.37 | .73 | +.43 | .72 | 82 |
| 16897926 | Connealy Direct Deposit | 2010 | +.64 | .51 | +.67 | .49 | 13 |
| 16899059 | Musgrave Boulder | 2011 | +.58 | .50 | +.31 | .48 | 9 |
| 16905775 | McKellar Now Look | 2010 | +.45 | .51 | +.44 | .49 | 15 |
| 16908920 | WAR Hero X499 | 2010 | +.40 | .49 | +.48 | .47 | 11 |
| 16915162 | EXAR Classen 1422B | 2011 | +.31 | .57 | +.27 | .54 | 28 |
| 16916267 | Boyd Signature 1014 | 2011 | +.15 | .49 | +.24 | .47 | 11 |
| 16916944 | V A R Reserve 1111 | 2011 | +.37 | .79 | +.31 | .77 | 139 |
| 16921438 | RR Consensus 1175 | 2011 | +.63 | .51 | +.54 | .50 | 12 |
| 16924332 | WR Journey-1X74 | 2010 | +.19 | .77 | +.37 | .75 | 134 |
| 16925771 | Quaker Hill Rampage 0A36 | 2010 | +.40 | .86 | +.43 | .85 | 361 |
| 16932201 | Stevenson Rainmaker 1162 | 2011 | +.62 | .54 | +.55 | .52 | 29 |
| 16933958 | G A R Sunrise | 2010 | +.51 | .81 | +.50 | .80 | 171 |
| 16944751 | GDAR Heisman 1705 | 2011 | +.62 | .61 | +.58 | .60 | 29 |
| 16944760 | GDAR CJD Justice 1717 | 2011 | +.10 | .64 | +.31 | .63 | 38 |
| 16957718 | Vermilion Sirloin | 2011 | +.39 | .48 | +.48 | .46 | 9 |
| 16969555 | Connealy Earnan 076E | 2010 | +.72 | .77 | +.63 | .76 | 103 |
| 16972676 | T C A Visionary 158 | 2011 | +.42 | .59 | +.58 | .57 | 31 |
| 16980412 | EXAR Blue Chip 1877B | 2011 | +.54 | .57 | +.48 | .55 | 28 |
| 16981588 | PA Full Power 1208 | 2011 | +.52 | .75 | +.59 | .73 | 103 |
| 16983331 | MAR Innovation 251 | 2011 | +.54 | .78 | +.44 | .77 | 152 |
| 16984170 | R B Tour Of Duty 177 | 2011 | +.36 | .85 | +.36 | .84 | 360 |
| 16992096 | Vision Unanimous 1418 | 2011 | +.69 | .78 | +.66 | .76 | 134 |
| 17001727 | GCC Gold Standard X615 | 2010 | +.38 | .47 | +.40 | .45 | 15 |
| 17005549 | OCC Ultimate Answer 118 | 2011 | +.49 | .49 | +.47 | .47 | 11 |
| 17007891 | S Whitlock 179 | 2011 | +.22 | .77 | +.25 | .76 | 139 |
| 17007979 | S McCoy 124 | 2011 | +.71 | .54 | +.58 | .53 | 18 |
| 17007985 | S Titlest 1145 | 2011 | +.67 | .52 | +.47 | .51 | 20 |
| 17011012 | Flag Impression 10062 | 2011 | +.57 | .57 | +.47 | .55 | 19 |
| 17011364 | K Bar D Joe Canada 18Y | 2011 | +.49 | .66 | +.39 | .64 | 45 |
| 17013539 | CB Block Party 156 | 2011 | +.37 | .51 | +.41 | .49 | 15 |
| 17016597 | S A V Resource 1441 | 2011 | +.38 | .90 | +.29 | .89 | 728 |

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|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 17016630 | S A V Angus Valley 1867 | 2011 | +.32 | .74 | +.35 | .73 | 93 |
| 17028951 | Connealy Cavalry 1149 | 2011 | +.47 | .62 | +.52 | .60 | 26 |
| 17028963 | Connealy Black Granite | 2011 | +.61 | .88 | +.56 | .87 | 492 |
| 17029809 | Connealy Front & Center | 2011 | +.41 | .63 | +.35 | .61 | 35 |
| 17030115 | SCC First-N-Goal GAF 114 | 2011 | +.27 | .59 | +.40 | .57 | 32 |
| 17031216 | Connealy Sandhills 122 | 2011 | +.81 | .53 | +.78 | .51 | 14 |
| 17031279 | Connealy Guinness | 2011 | +.21 | .71 | +.29 | .70 | 80 |
| 17031441 | Connealy United 1116 | 2011 | +.62 | .54 | +.63 | .52 | 15 |
| 17031465 | Connealy Comrade 1385 | 2011 | +.21 | .85 | +.26 | .84 | 277 |
| 17032619 | Connealy Stingray 9618 | 2011 | +.45 | .53 | +.54 | .51 | 22 |
| 17038162 | TC Candid 161 | 2011 | +.83 | .55 | +.76 | .53 | 17 |
| 17038724 | Basin Payweight 1682 | 2011 | +.53 | .89 | +.42 | .89 | 572 |
| 17041452 | V D A R Cedar Wind 8111 | 2011 | +.57 | .49 | +.59 | .48 | 13 |
| 17044981 | Bushs Sure Deal 33 | 2011 | +.33 | .49 | +.42 | .47 | 11 |
| 17048149 | Jacs Upward 1059 | 2011 | +.34 | .57 | +.36 | .55 | 19 |
| 17049149 | A A R Ten Gauge 1501 | 2011 | +.12 | .53 | +.27 | .51 | 19 |
| 17049836 | HA Program 1742 | 2011 | +.42 | .58 | +.41 | .56 | 28 |
| 17056383 | Manzano Paxton 1172 ET | 2011 | +.47 | .63 | +.54 | .61 | 32 |
| 17057160 | G A R Missouri 5761 | 2011 | -.03 | .49 | +.12 | .47 | 12 |
| 17057287 | G A R Anticipation | 2011 | +.69 | .58 | +.59 | .56 | 25 |
| 17065105 | Schiefelbein Effective 61 | 2011 | +.44 | .70 | +.38 | .69 | 69 |
| 17065277 | Schiefelbein HD 1241 | 2011 | +.35 | .51 | +.37 | .50 | 13 |
| 17065973 | Benfield Reality 6211 | 2011 | +.34 | .48 | +.39 | .46 | 11 |
| 17072305 | Ellingson Plateau 1155 | 2011 | +.73 | .56 | +.74 | .55 | 18 |
| 17074451 | Baldrige Willie Y34 | 2011 | +.45 | .66 | +.56 | .64 | 47 |
| 17074462 | Baldrige Yahoo Y58 | 2011 | +.27 | .51 | +.39 | .49 | 12 |
| 17074729 | TR Mr Aberdeen 1068Y | 2011 | +.55 | .48 | +.42 | .46 | 12 |
| 17076135 | MCR Horizon 081 | 2011 | +.39 | .55 | +.37 | .53 | 24 |
| 17082311 | EF Commando 1366 | 2011 | +.78 | .76 | +.64 | .75 | 112 |
| 17083256 | WMR Timeless 081 | 2011 | +.32 | .48 | +.25 | .46 | 14 |
| 17083470 | WMR Infinity 141 | 2011 | +.51 | .69 | +.42 | .67 | 52 |
| 17084383 | Ironwood New Era 1560 | 2011 | +.32 | .47 | +.25 | .45 | 11 |
| 17085993 | PCC FSR Jake 1950Y | 2011 | +.93 | .61 | +.72 | .61 | 48 |
| 17091363 | Thomas Up River 1614 | 2011 | +.40 | .50 | +.37 | .48 | 13 |
| 17095762 | Musgrave Foundation | 2011 | +.52 | .54 | +.39 | .52 | 17 |
| 17102085 | Mogck Bullseye | 2011 | +.26 | .77 | +.08 | .76 | 102 |
| 17109523 | Ideal 1168 of 9814 Lady | 2011 | +.60 | .48 | +.49 | .46 | 14 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 17121627 | K C F Bennett Consent Y75 | 2011 | +.67 | .57 | +.73 | .56 | 16 |
| 17127259 | KG Alliance 1193 | 2011 | +.41 | .58 | +.47 | .56 | 22 |
| 17131890 | Rito 12E7 of 5F56 Rito 5M2 | 2011 | +.57 | .57 | +.66 | .55 | 23 |
| 17145326 | Barstow Cash | 2011 | +.46 | .79 | +.48 | .78 | 98 |
| 17160560 | EXAR Denver 2002B | 2012 | +.47 | .78 | +.43 | .76 | 102 |
| 17160668 | EXAR Powerhouse 2077B | 2012 | +.56 | .61 | +.66 | .60 | 29 |
| 17160844 | EXAR Slap Shot 2504B | 2012 | +.83 | .60 | +.72 | .59 | 29 |
| 17171587 | V A R Generation 2100 | 2012 | +.49 | .82 | +.53 | .81 | 204 |
| 17175957 | Sitz Dollar Up 489Z | 2012 | +.55 | .66 | +.52 | .64 | 49 |
| 17176063 | Sitz Lightning 659Z | 2012 | +.58 | .68 | +.57 | .66 | 43 |
| 17179119 | Sitz Investment 660Z | 2012 | +.55 | .79 | +.39 | .77 | 131 |
| 17228402 | GDAR Leupold 298 | 2012 | +.34 | .82 | +.47 | .81 | 178 |
| 17234737 | HF Rebel 53Y | 2011 | +.76 | .61 | +.71 | .59 | 31 |
| 17236055 | SydGen Black Pearl 2006 | 2012 | +.53 | .74 | +.30 | .72 | 97 |
| 17236833 | Werner War Party 1472 | 2011 | +.19 | .55 | +.39 | .53 | 22 |
| 17250190 | Mohnen South Dakota 402 | 2012 | +.58 | .63 | +.52 | .61 | 37 |
| 17255860 | Coleman Knight 209 | 2011 | +.59 | .57 | +.52 | .55 | 23 |
| 17257723 | Musgrave Invision | 2012 | +.56 | .50 | +.50 | .49 | 10 |
| 17259012 | K C F Bennett Fortress | 2011 | +.56 | .84 | +.48 | .83 | 282 |
| 17262374 | JMB Traction 292 | 2012 | +.12 | .82 | +.32 | .81 | 203 |
| 17262835 | V A R Discovery 2240 | 2012 | +.37 | .85 | +.43 | .84 | 286 |
| 17264322 | Yon Future Force Z77 | 2011 | +.53 | .66 | +.41 | .64 | 37 |
| 17264774 | Musgrave Aviator | 2012 | +.58 | .77 | +.53 | .76 | 130 |
| 17286792 | Mohnen Long Haul 502 | 2012 | +.40 | .66 | +.17 | .65 | 45 |
| 17287383 | S S Warrior Z20 | 2012 | +.48 | .56 | +.48 | .54 | 20 |
| 17287387 | S S Niagara Z29 | 2012 | +.74 | .87 | +.42 | .86 | 454 |
| 17292558 | Mohnen Substantial 272 | 2012 | +.76 | .71 | +.70 | .69 | 73 |
| 17298481 | S Chisum 255 | 2012 | +.28 | .68 | +.27 | .66 | 65 |
| 17302232 | Connealy Union 215X | 2012 | +.45 | .58 | +.54 | .57 | 22 |
| 17302235 | Connealy Greeley | 2012 | +.28 | .70 | +.28 | .68 | 58 |
| 17302304 | Connealy Courage 25L | 2012 | +.29 | .70 | +.38 | .68 | 69 |
| 17304082 | Connealy Spur | 2012 | +.54 | .70 | +.44 | .69 | 76 |
| 17304232 | Connealy Western Cut | 2012 | +.69 | .62 | +.55 | .61 | 29 |
| 17307074 | Deer Valley All In | 2012 | +.29 | .81 | +.35 | .80 | 193 |
| 17309718 | SITZ Logic Y46 | 2011 | +.20 | .56 | +.32 | .54 | 17 |
| 17314326 | Koupal Advance 28 | 2012 | +.89 | .73 | +.66 | .71 | 71 |
| 17314528 | Connealy Arsenal 2174 | 2012 | +.40 | .71 | +.43 | .69 | 67 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|------------------------------|----------|----------|----------|-----------|-----------|---------|
| 17314910 | Baldrige Download Z013 | 2012 | +.36 | .49 | +.34 | .47 | 13 |
| 17314954 | Baldrige Jennings Z064 | 2012 | +.29 | .63 | +.33 | .61 | 37 |
| 17317984 | Mill Brae Endurance 2118 | 2012 | +.74 | .58 | +.57 | .56 | 27 |
| 17318795 | S A V International 2020 | 2012 | +.52 | .74 | +.54 | .73 | 81 |
| 17318919 | S A V West River 2066 | 2012 | +.66 | .50 | +.52 | .48 | 9 |
| 17318928 | S A V Registry 2831 | 2012 | +.73 | .67 | +.65 | .66 | 44 |
| 17318946 | S A V Hesston 2217 | 2012 | +.71 | .52 | +.65 | .50 | 16 |
| 17322047 | Ellingson Golden Era 2279 | 2012 | +.58 | .48 | +.62 | .46 | 14 |
| 17322785 | Koupals B&B Fort Knox 2077 | 2012 | +.18 | .58 | +.31 | .56 | 27 |
| 17326601 | PA Valor 201 | 2011 | +.60 | .56 | +.54 | .54 | 25 |
| 17328461 | G A R Sure Fire | 2012 | +.75 | .87 | +.71 | .86 | 407 |
| 17331233 | CTS Remedy 1T01 | 2011 | +.59 | .80 | +.46 | .79 | 175 |
| 17345849 | TC Assurance 247 | 2012 | +.42 | .48 | +.32 | .46 | 9 |
| 17348664 | Paintrock Mountain Man | 2012 | +.42 | .61 | +.44 | .60 | 34 |
| 17351674 | Mill Bar Hickok 7242 | 2012 | +.48 | .84 | +.42 | .82 | 299 |
| 17354047 | G A R Scale House | 2012 | +.44 | .59 | +.49 | .58 | 33 |
| 17354145 | G A R Momentum | 2012 | +.55 | .72 | +.52 | .71 | 76 |
| 17354178 | G A R Early Bird | 2012 | +.60 | .47 | +.60 | .46 | 5 |
| 17362475 | Schiefelbein Protocol 392 | 2012 | +.70 | .57 | +.61 | .55 | 24 |
| 17367599 | Prairie Pride Next Step 2036 | 2012 | +.46 | .68 | +.54 | .66 | 50 |
| 17373839 | DB Consensus 23 | 2012 | +.55 | .49 | +.70 | .47 | 11 |
| 17379591 | EATHINGTON SUB-ZERO | 2012 | +.62 | .53 | +.53 | .51 | 21 |
| 17383988 | Poss Element 215 | 2012 | +.89 | .64 | +.45 | .63 | 40 |
| 17399875 | KG High Regard 2073 | 2012 | +.57 | .55 | +.41 | .53 | 16 |
| 17417464 | Ponca Creek Pepper | 2012 | +.42 | .49 | +.42 | .47 | 15 |
| 17418539 | PA Fortitude 2500 | 2011 | +.71 | .73 | +.71 | .71 | 87 |
| 17420717 | M A F Tanker 23 | 2012 | +.71 | .62 | +.62 | .60 | 40 |
| 17434364 | EXAR Stetson 3704B | 2013 | +.24 | .58 | +.31 | .56 | 26 |
| 17434366 | EXAR Resistol 3710B | 2013 | +.45 | .63 | +.39 | .62 | 39 |
| 17453152 | Bruin Breaking News 2201 | 2012 | +.15 | .57 | +.38 | .56 | 25 |
| 17455083 | V A R Ranger 3008 | 2013 | +.24 | .50 | +.38 | .47 | 12 |
| 17455084 | V A R Xfinity 3009 | 2013 | -.10 | .47 | +.14 | .46 | 7 |
| 17455111 | V A R Empire 3037 | 2013 | +.17 | .52 | +.33 | .50 | 15 |
| 17467126 | Sitz Reinvested 636a | 2013 | +.39 | .68 | +.47 | .66 | 49 |
| 17470682 | SF Speedway A187 | 2013 | +.31 | .64 | +.30 | .62 | 44 |
| 17470735 | Sitz Sensation 693A | 2013 | +.28 | .57 | +.28 | .55 | 22 |
| 17471320 | Dameron C-5 American Classic | 2012 | +.56 | .51 | +.61 | .49 | 16 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 17474560 | Stevenson Legend 3181 | 2013 | -.22 | .48 | +.06 | .46 | 14 |
| 17479034 | EXAR EZX 3772B | 2013 | +.39 | .52 | +.40 | .51 | 15 |
| 17489470 | BMW Final Front 2049 | 2012 | +.46 | .52 | +.38 | .51 | 16 |
| 17501893 | SydGen Exceed 3223 | 2013 | +.33 | .68 | +.44 | .67 | 64 |
| 17505028 | H A R Pinebank 443 202 | 2012 | +.50 | .52 | +.47 | .50 | 17 |
| 17513381 | V A R Index 3282 | 2013 | +.48 | .64 | +.48 | .63 | 44 |
| 17521423 | SydGen FATE 2800 | 2012 | +.45 | .74 | +.28 | .73 | 104 |
| 17524723 | Shipwheel Montana 2600 | 2012 | +.24 | .53 | +.25 | .52 | 15 |
| 17526276 | GDAR Regulator 364 | 2013 | +.70 | .78 | +.70 | .77 | 121 |
| 17532083 | Mohnen Impressive 1093 | 2013 | +.51 | .66 | +.54 | .64 | 42 |
| 17544680 | Coleman Doc 2261 | 2012 | +.59 | .55 | +.52 | .53 | 24 |
| 17561185 | SydGen Black Diamond 2769 | 2012 | +.50 | .49 | +.43 | .47 | 14 |
| 17570263 | Crouthamel Protocol 3022 | 2013 | +.46 | .52 | +.59 | .51 | 23 |
| 17571309 | Styles Cash R400 | 2013 | +.15 | .59 | +.33 | .57 | 29 |
| 17573679 | S&R Roundtable J328 | 2013 | +.31 | .53 | +.40 | .51 | 28 |
| 17577916 | Deer Valley Patriot 3222 | 2013 | +.72 | .74 | +.62 | .73 | 92 |
| 17584215 | Woodhill Broker | 2013 | +.51 | .46 | +.43 | .45 | 7 |
| 17585502 | Connealy Power Surge 3115 | 2013 | +.47 | .62 | +.34 | .60 | 41 |
| 17585522 | Connealy Countdown | 2013 | +.43 | .56 | +.49 | .54 | 17 |
| 17585550 | Connealy Trooper 3682 | 2013 | +.38 | .47 | +.55 | .45 | 9 |
| 17585576 | Connealy Confidence Plus | 2013 | +.75 | .82 | +.68 | .81 | 170 |
| 17585606 | Connealy Impact | 2013 | +.52 | .61 | +.24 | .59 | 29 |
| 17585653 | Connealy Full Metal | 2013 | +.29 | .57 | +.43 | .56 | 26 |
| 17585764 | Connealy Commander | 2013 | +.34 | .60 | +.56 | .58 | 30 |
| 17586776 | Connealy Cool 39L | 2013 | +.50 | .78 | +.42 | .76 | 158 |
| 17597915 | Basin Advance 3134 | 2013 | +.42 | .63 | +.26 | .61 | 37 |
| 17600041 | DL Final Grandview 53 | 2013 | +.44 | .53 | +.35 | .51 | 22 |
| 17603620 | Hoover Elation M123 | 2013 | +.83 | .65 | +.82 | .63 | 47 |
| 17603627 | Hoover Hawkeye | 2013 | +.56 | .53 | +.41 | .52 | 15 |
| 17607585 | V A R Foreman 3339 | 2013 | +.30 | .50 | +.29 | .48 | 14 |
| 17608412 | Vin-Mar Johnny Cash 3513 | 2013 | +.27 | .61 | +.31 | .58 | 30 |
| 17608631 | Koupals B&B Titan 3013 | 2013 | +.66 | .61 | +.82 | .59 | 33 |
| 17612134 | M A R Double XL 320 | 2013 | +.15 | .58 | +.27 | .56 | 25 |
| 17614173 | A A R Ten X 3110 | 2013 | +.03 | .50 | +.31 | .49 | 10 |
| 17614182 | A A R Frontman 3132 | 2013 | +.29 | .55 | +.19 | .53 | 18 |
| 17614813 | Musgrave Big Sky | 2013 | +.40 | .77 | +.36 | .75 | 114 |
| 17617135 | Ellingson Ribeye 3195 | 2013 | +.56 | .53 | +.51 | .51 | 20 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|-----------------------------|----------|----------|----------|-----------|-----------|---------|
| 17620900 | S A V Resource 3536 | 2013 | +.58 | .48 | +.50 | .45 | 13 |
| 17623660 | G A R Prophecy | 2013 | +.71 | .51 | +.69 | .49 | 15 |
| 17632447 | Raven Powerball 53 | 2013 | +.46 | .77 | +.41 | .75 | 137 |
| 17633557 | S A V Privilege 3030 | 2013 | +.59 | .50 | +.59 | .49 | 15 |
| 17633563 | S A V Ten Speed 3022 | 2013 | +.32 | .76 | +.31 | .75 | 123 |
| 17633578 | S A V 707 Rito 3438 | 2013 | +.84 | .53 | +.68 | .51 | 17 |
| 17633838 | S A V Recharge 3436 | 2013 | +.76 | .74 | +.68 | .73 | 85 |
| 17633839 | S A V Renown 3439 | 2013 | +.56 | .87 | +.42 | .86 | 488 |
| 17634521 | A A R Ten X 3001 | 2013 | +.22 | .47 | +.29 | .46 | 10 |
| 17643885 | BCC Upward 4A | 2013 | +.22 | .50 | +.29 | .48 | 12 |
| 17649083 | Bushs Easy Decision 98 | 2013 | -.01 | .54 | +.10 | .52 | 22 |
| 17651088 | HA Outside 3008 | 2013 | +.44 | .48 | +.47 | .47 | 2 |
| 17666102 | LD Capitalist 316 | 2013 | +.71 | .88 | +.67 | .87 | 538 |
| 17668327 | Kramers Apollo 317 | 2013 | +.58 | .69 | +.45 | .67 | 58 |
| 17670619 | Werner Touchdown 3065 | 2013 | -.29 | .56 | -.04 | .54 | 28 |
| 17674786 | TQ Masters Blend N56a | 2013 | +.72 | .70 | +.68 | .68 | 78 |
| 17680548 | Bruns Top Cut 373 | 2013 | +.45 | .62 | +.48 | .60 | 32 |
| 17688931 | Ellingson Boardwalk 3032 | 2013 | +.42 | .59 | +.45 | .57 | 28 |
| 17689665 | A & B SpotLite 3065 | 2013 | +.82 | .56 | +.82 | .55 | 28 |
| 17696450 | O C C Big Time 746Z | 2012 | +.44 | .59 | +.59 | .57 | 37 |
| 17707279 | KG Justified 3023 | 2013 | +.54 | .87 | +.45 | .86 | 456 |
| 17709960 | Gardens Cache | 2013 | +.48 | .54 | +.46 | .52 | 22 |
| 17731559 | Jindra Megahit | 2013 | +.17 | .52 | +.43 | .50 | 27 |
| 17738692 | PGC Long George 3116 | 2013 | +.38 | .56 | +.49 | .54 | 18 |
| 17740199 | EXAR PowerSource 4723B | 2014 | +.75 | .48 | +.71 | .47 | 12 |
| 17746620 | SITZ Logo 12964 | 2014 | +.71 | .78 | +.66 | .77 | 144 |
| 17748846 | 4M Element 405 | 2014 | +.88 | .57 | +.56 | .55 | 24 |
| 17751513 | Dutch Creek Forager 816 308 | 2013 | +.61 | .53 | +.43 | .51 | 15 |
| 17756248 | McD SF Answer 71 - 3545 | 2013 | +.40 | .50 | +.40 | .48 | 17 |
| 17762778 | AB-LVS Capitalist 4507 | 2014 | +.67 | .47 | +.61 | .46 | 9 |
| 17765302 | EXAR Hi-Tech 4769B | 2014 | +.37 | .49 | +.40 | .47 | 12 |
| 17768227 | Sitz Royal 9784 | 2014 | +.45 | .55 | +.34 | .53 | 19 |
| 17774305 | G A R 100X | 2013 | +.59 | .64 | +.61 | .62 | 43 |
| 17783509 | Coleman Charlo 3212 | 2013 | +.72 | .57 | +.57 | .55 | 22 |
| 17784803 | JVC Cavalry V3326 | 2013 | +.60 | .60 | +.69 | .58 | 34 |
| 17786050 | Quaker Hill Firestorm 3PT1 | 2013 | +.20 | .59 | +.19 | .57 | 31 |
| 17793480 | Vintage Commander 4152 | 2014 | +.50 | .47 | +.43 | .46 | 9 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 17796059 | Montana Deep Well | 2013 | +.78 | .49 | +.74 | .48 | 9 |
| 17799492 | G A R Prophet K263 | 2013 | +.55 | .48 | +.56 | .47 | 12 |
| 17803074 | Byergo Black Magic 3348 | 2013 | +.55 | .72 | +.49 | .70 | 101 |
| 17805943 | Gaffney Game Time 370 | 2013 | +.47 | .49 | +.46 | .47 | 10 |
| 17805944 | Gaffney Game Changer 371 | 2013 | +.67 | .55 | +.64 | .53 | 20 |
| 17807052 | Sitz Bullseye 9994 | 2014 | +.42 | .70 | +.27 | .68 | 70 |
| 17808532 | SAC Conversation | 2013 | +.52 | .76 | +.50 | .75 | 129 |
| 17816333 | E W A High Weigh 3123 | 2013 | +.22 | .50 | +.38 | .47 | 19 |
| 17817177 | Tehama Tahoe B767 | 2013 | +.66 | .85 | +.50 | .84 | 382 |
| 17820603 | SydGen Rock Star 3461 | 2013 | +.21 | .59 | +.23 | .58 | 32 |
| 17821946 | Baldrige Titan A139 | 2013 | +.30 | .59 | +.37 | .57 | 31 |
| 17822045 | Baldrige Breakthrough A091 | 2013 | +.64 | .76 | +.62 | .74 | 105 |
| 17831034 | Quaker Hill Manning 4EX9 | 2014 | +.33 | .65 | +.28 | .64 | 48 |
| 17836309 | Thomas Baker Valley | 2014 | +.14 | .49 | +.21 | .47 | 12 |
| 17836370 | Thomas Big River 4081 | 2014 | +.41 | .49 | +.47 | .47 | 13 |
| 17848388 | Mohnen Global 1274 | 2014 | +.58 | .54 | +.56 | .52 | 10 |
| 17849954 | K C F Bennett TheRock A473 | 2013 | +.63 | .73 | +.74 | .72 | 84 |
| 17850885 | HF Who's That 7A | 2013 | +.77 | .57 | +.59 | .55 | 27 |
| 17853196 | BUBS Southern Charm AA31 | 2013 | +.71 | .86 | +.66 | .85 | 442 |
| 17857587 | 44 Arsenal 4W07 | 2014 | +.19 | .51 | +.19 | .48 | 19 |
| 17863288 | K C F Bennett Assertive | 2014 | +.60 | .56 | +.62 | .55 | 25 |
| 17871732 | SydGen Blacksmith 4010 | 2013 | +.70 | .53 | +.60 | .51 | 20 |
| 17873666 | Deer Valley Old Hickory | 2014 | +.54 | .63 | +.52 | .61 | 47 |
| 17877778 | McConnell Altitude 3114 | 2013 | +.41 | .57 | +.46 | .55 | 26 |
| 17879330 | Hoover Counselor N29 | 2014 | +.78 | .59 | +.77 | .57 | 33 |
| 17882682 | Hoover No Doubt | 2014 | +.34 | .80 | +.48 | .79 | 176 |
| 17888624 | Connealy Glory 4127 | 2014 | +.53 | .76 | +.53 | .74 | 108 |
| 17888696 | Connealy Conquest | 2014 | +.59 | .60 | +.54 | .58 | 30 |
| 17888762 | Connealy Armory | 2014 | +.54 | .67 | +.57 | .65 | 53 |
| 17888826 | Connealy Big Money | 2014 | +.56 | .52 | +.58 | .50 | 19 |
| 17892063 | Woodside Rito 4P26 of 0242 | 2014 | +.60 | .47 | +.58 | .45 | 12 |
| 17893917 | Koupals B&B Atlas 4061 | 2014 | -.22 | .66 | +.11 | .64 | 54 |
| 17894794 | 44 Bragging Rights 4372 | 2014 | +.71 | .50 | +.70 | .49 | 15 |
| 17896885 | Koupal Kozi 418 | 2014 | -.27 | .57 | +.09 | .55 | 28 |
| 17904142 | Basin Bonus 4345 | 2014 | +.54 | .62 | +.48 | .60 | 40 |
| 17905508 | Basin Yuma 4286 | 2014 | +.48 | .52 | +.52 | .50 | 16 |
| 17908266 | EXAR Stud 4658B | 2014 | +.51 | .73 | +.53 | .71 | 88 |

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08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 17913751 | Basin Rainmaker 4404 | 2014 | +.61 | .77 | +.53 | .75 | 149 |
| 17914039 | Coleman Playmaker 427 | 2014 | +.75 | .64 | +.61 | .62 | 46 |
| 17918412 | DL Sonic 444 | 2014 | +.45 | .60 | +.39 | .58 | 32 |
| 17919726 | BSF Hot Lotto 1401 | 2014 | +.41 | .68 | +.45 | .66 | 53 |
| 17921485 | S A V Pedigree 4834 | 2014 | +.58 | .61 | +.57 | .60 | 35 |
| 17921697 | Mill Brae Wisdom 4198 | 2014 | +.59 | .47 | +.50 | .46 | 9 |
| 17923290 | S A V Cutting Edge 4857 | 2014 | +.55 | .58 | +.43 | .56 | 27 |
| 17923431 | S A V Cattlemaster 4873 | 2014 | +.62 | .49 | +.52 | .48 | 16 |
| 17923480 | S A V Seedstock 4838 | 2014 | +.83 | .70 | +.75 | .68 | 71 |
| 17923520 | S A V Regard 4863 | 2014 | +.65 | .61 | +.46 | .59 | 31 |
| 17924903 | Spring Cove Crossbow | 2014 | +.47 | .69 | +.44 | .68 | 72 |
| 17925323 | HAYNES Outright 452 | 2014 | +.58 | .69 | +.63 | .67 | 64 |
| 17926446 | Spring Cove Reno 4021 | 2014 | +.77 | .78 | +.61 | .76 | 135 |
| 17928462 | Mill Brae Identified 4031 | 2014 | +.60 | .60 | +.56 | .58 | 31 |
| 17932714 | Ellingson Chaps 4095 | 2014 | +.35 | .74 | +.37 | .73 | 94 |
| 17932847 | High Point TenX 4055 | 2014 | +.30 | .53 | +.33 | .51 | 19 |
| 17933463 | Ellingson Roughrider 4202 | 2014 | +.81 | .77 | +.74 | .76 | 132 |
| 17934580 | TC Cut Above 426 | 2014 | +.61 | .56 | +.44 | .54 | 24 |
| 17935497 | Mytty Source | 2014 | +.35 | .50 | +.26 | .48 | 14 |
| 17938417 | Schiefelbein Allied 514 | 2014 | +.77 | .64 | +.70 | .63 | 46 |
| 17943466 | HA Prime Cut 4493 | 2014 | +.57 | .63 | +.52 | .61 | 44 |
| 17950219 | 3F Epic 4631 | 2014 | +.65 | .75 | +.67 | .74 | 119 |
| 17952324 | Bushs Tundra 602 | 2014 | +.66 | .48 | +.59 | .47 | 11 |
| 17954726 | PVF Surveillance 4129 | 2014 | +.70 | .58 | +.77 | .56 | 35 |
| 17956297 | 5T Power Chip 4790 | 2014 | +.63 | .50 | +.68 | .48 | 18 |
| 17956722 | BCA Patriarch 4113 | 2014 | +.53 | .56 | +.59 | .55 | 27 |
| 17960722 | Baldrige Beast Mode B074 | 2014 | +.57 | .62 | +.58 | .60 | 39 |
| 17972810 | Jindra Acclaim | 2014 | +.40 | .84 | +.37 | .83 | 345 |
| 17974692 | ICC Pay Raise 4886 | 2014 | +.56 | .70 | +.55 | .68 | 77 |
| 17979095 | RCL Activate 4282 | 2014 | +.38 | .52 | +.47 | .48 | 19 |
| 17983061 | KR Cash 3839 | 2013 | +.52 | .48 | +.50 | .46 | 12 |
| 17991528 | Bruns Blaster | 2014 | +.60 | .65 | +.45 | .63 | 54 |
| 17992571 | Young Dale Xcaliber 32X | 2010 | +.51 | .50 | +.55 | .48 | 12 |
| 17993084 | Circle L Gus | 2014 | +.49 | .52 | +.47 | .50 | 19 |
| 17998606 | KG Contractor 4744 | 2014 | +.78 | .48 | +.73 | .47 | 14 |
| 18000000 | Whitestone 18-Million | 2016 | +.45 | .49 | +.55 | .47 | 17 |
| 18004546 | J&J Weigh Up 294 | 2014 | +.66 | .57 | +.54 | .54 | 29 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|------------------------------|----------|----------|----------|-----------|-----------|---------|
| 18025296 | G A R Method | 2014 | +.14 | .65 | +.12 | .63 | 49 |
| 18036327 | Barstow Bankroll B73 | 2014 | +.50 | .69 | +.54 | .68 | 72 |
| 18053957 | Haycow Fireman 4275 | 2014 | +.33 | .49 | +.36 | .47 | 28 |
| 18063466 | Sitz Broker 12985 | 2015 | +.24 | .66 | +.17 | .65 | 47 |
| 18066037 | V A R Legend 5019 | 2015 | +.56 | .73 | +.59 | .72 | 108 |
| 18066052 | V A R Heritage 5038 | 2015 | +.18 | .49 | +.35 | .48 | 17 |
| 18069951 | Brooking Bank Note 4040 | 2014 | +.37 | .63 | +.38 | .61 | 44 |
| 18078526 | O C C Atlas 664A | 2013 | +.69 | .53 | +.56 | .51 | 19 |
| 18085047 | PCC SSCC Down Town 1719B | 2014 | +.73 | .62 | +.61 | .63 | 53 |
| 18086964 | Sitz Dividend 649C | 2015 | +.01 | .52 | +.27 | .50 | 17 |
| 18089331 | RB Absolute Advantage | 2014 | +.48 | .51 | +.43 | .49 | 15 |
| 18094501 | Werner Flat Top 4136 | 2014 | +.80 | .68 | +.67 | .66 | 66 |
| 18109016 | Freys Appearance | 2014 | +.35 | .52 | +.32 | .50 | 19 |
| 18116133 | EXAR Rapture 5844B | 2015 | +.76 | .46 | +.63 | .45 | 10 |
| 18129638 | Musgrave Mediator | 2015 | +.68 | .50 | +.60 | .48 | 17 |
| 18130471 | Musgrave 316 Exclusive | 2015 | +.63 | .81 | +.63 | .79 | 255 |
| 18138420 | GDAR All Pro 519 | 2015 | +.70 | .74 | +.62 | .72 | 72 |
| 18148348 | Connealy Concord | 2014 | +.25 | .64 | +.22 | .62 | 45 |
| 18150495 | Yon Full Force C398 | 2014 | +.80 | .72 | +.61 | .70 | 83 |
| 18152044 | Sinclair Plains Boss 5BO2 | 2015 | +1.04 | .55 | +1.05 | .53 | 27 |
| 18156972 | MGR Treasure | 2015 | +.76 | .78 | +.72 | .77 | 161 |
| 18159093 | S Powerpoint WS 5503 | 2015 | +.83 | .72 | +.76 | .71 | 98 |
| 18159105 | S Thrive JAS 5515 | 2015 | +.77 | .56 | +.69 | .54 | 29 |
| 18165361 | K C F Bennett Diverse | 2014 | +.46 | .56 | +.47 | .53 | 23 |
| 18168191 | Mc Cumber Unmistakable 524 | 2015 | +.68 | .49 | +.58 | .47 | 15 |
| 18170011 | SydGen Sizzle | 2015 | +.35 | .53 | +.50 | .51 | 17 |
| 18170041 | SydGen Enhance | 2015 | +.29 | .89 | +.54 | .88 | 777 |
| 18170691 | KF Stonecutter 501 | 2015 | +.62 | .51 | +.67 | .49 | 14 |
| 18171079 | GSAR Lightning 03E | 2015 | +.81 | .47 | +.66 | .45 | 11 |
| 18176611 | Yon Swamp Fox C649 | 2014 | +.33 | .61 | +.37 | .59 | 33 |
| 18176733 | Yon Palmetto | 2014 | +.57 | .60 | +.63 | .58 | 31 |
| 18181431 | Ellingson Top Shelf 5050 | 2015 | +.89 | .58 | +.76 | .56 | 26 |
| 18182675 | Ellingson Transcend 5212 | 2015 | +.58 | .49 | +.56 | .47 | 9 |
| 18183816 | Mohnen Intuition 1215 | 2015 | +.37 | .54 | +.47 | .53 | 18 |
| 18184147 | Basin Paycheck 5249 | 2015 | +.38 | .62 | +.31 | .60 | 35 |
| 18185320 | Basin Advance 5016 | 2015 | +.52 | .52 | +.41 | .50 | 17 |
| 18189511 | Quaker Hill DoubleBarrel 4J1 | 2014 | +.27 | .50 | +.18 | .49 | 18 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|------------------------------|----------|----------|----------|-----------|-----------|---------|
| 18191627 | Deer Valley Testament 5202 | 2015 | +.34 | .47 | +.47 | .45 | 7 |
| 18191909 | Vin-Mar Salute 5537 | 2015 | +.50 | .58 | +.46 | .56 | 26 |
| 18194415 | Musgrave Sky High 1535 | 2015 | +.77 | .74 | +.63 | .72 | 112 |
| 18200213 | S Foundation 514 | 2015 | +.71 | .67 | +.68 | .65 | 54 |
| 18205024 | S S Rocket C142 | 2015 | +.79 | .60 | +.71 | .58 | 25 |
| 18217198 | G A R Ashland | 2015 | +.81 | .80 | +.78 | .79 | 225 |
| 18217480 | Colburn Primo 5153 | 2015 | +.69 | .59 | +.73 | .57 | 43 |
| 18219638 | SITZ Response 405C | 2015 | +.28 | .61 | +.16 | .59 | 31 |
| 18219911 | Baldrige Command C036 | 2015 | +.43 | .67 | +.43 | .65 | 58 |
| 18220552 | Sitz Asset 402C | 2015 | +.57 | .56 | +.60 | .54 | 18 |
| 18227118 | Connealy Rampart | 2015 | +.56 | .55 | +.60 | .53 | 20 |
| 18227124 | Connealy Niobrara 5451 | 2015 | +.51 | .69 | +.52 | .67 | 62 |
| 18229226 | Connealy Century 5739 | 2015 | +.63 | .50 | +.60 | .48 | 12 |
| 18229425 | Baldrige Bronc | 2015 | +.77 | .79 | +.78 | .78 | 174 |
| 18229487 | Baldrige 38 Special | 2015 | +.78 | .80 | +.85 | .78 | 173 |
| 18229488 | Baldrige Compass C041 | 2015 | +.83 | .69 | +.53 | .68 | 62 |
| 18230653 | Connealy Commonwealth | 2015 | +.68 | .61 | +.56 | .59 | 39 |
| 18232839 | Deer Valley Fox Trot 5327 | 2015 | +.78 | .52 | +.79 | .51 | 16 |
| 18236795 | TEF Outside 514 | 2015 | +.34 | .61 | +.36 | .59 | 35 |
| 18238033 | KR Kash Only | 2015 | +.47 | .47 | +.49 | .45 | 14 |
| 18242269 | Ellingson Regency 5030 | 2015 | +.49 | .47 | +.49 | .45 | 13 |
| 18244010 | Flying V Transformer | 2015 | +.71 | .57 | +.61 | .55 | 22 |
| 18248293 | Bruin Torque 5261 | 2015 | +.92 | .60 | +.71 | .58 | 29 |
| 18248948 | Woodhill Complete A130-C2 | 2015 | +.37 | .65 | +.32 | .63 | 57 |
| 18250419 | SITZ Reload 411C | 2015 | +.35 | .81 | +.49 | .80 | 171 |
| 18251463 | Buford Pathfinder C304 | 2014 | +.50 | .60 | +.35 | .58 | 33 |
| 18258149 | S A V Sensation 5615 | 2015 | +.76 | .77 | +.59 | .76 | 145 |
| 18258837 | TC Afton 5112 | 2015 | +.40 | .55 | +.29 | .53 | 24 |
| 18258874 | TC Induction 5153 | 2015 | +.58 | .51 | +.43 | .49 | 15 |
| 18259972 | S A V Technique 5120 | 2015 | +.15 | .46 | +.25 | .45 | 7 |
| 18267586 | A A R Creed 5802 | 2015 | +.56 | .61 | +.41 | .60 | 37 |
| 18267894 | ECO Lombardi 1512 | 2015 | +.49 | .49 | +.56 | .47 | 13 |
| 18270192 | Schiefelbein iBull 3415 | 2015 | +.08 | .56 | +.42 | .54 | 22 |
| 18270980 | Paintrock Trapper | 2015 | +.49 | .66 | +.48 | .64 | 62 |
| 18272672 | B/R MVP 5247 | 2015 | +.67 | .63 | +.57 | .61 | 51 |
| 18272797 | Schiefelbein Attractive 4565 | 2015 | +.36 | .64 | +.63 | .62 | 45 |
| 18283106 | BMW Mr Bruiser | 2015 | +.77 | .50 | +.54 | .49 | 14 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|--------------------------|----------|----------|----------|-----------|-----------|---------|
| 18286467 | HA Cowboy Up 5405 | 2015 | +39 | .87 | +49 | .86 | 435 |
| 18293579 | Manzano 1172 5655 | 2015 | +52 | .62 | +46 | .61 | 40 |
| 18296898 | WAR Bullet Proof C357 | 2015 | +41 | .65 | +50 | .63 | 45 |
| 18301470 | G A R Drive | 2015 | +77 | .52 | +72 | .50 | 20 |
| 18315953 | Young Dale Believe 46B | 2014 | +39 | .55 | +44 | .53 | 21 |
| 18316913 | LT Enterprise 5213 | 2015 | +41 | .50 | +41 | .48 | 14 |
| 18323124 | PAHR Yeti B5 | 2015 | +64 | .49 | +51 | .48 | 16 |
| 18331353 | SCC Cash 6224-5128 | 2015 | +31 | .47 | +52 | .45 | 10 |
| 18333424 | G A R Proactive | 2015 | +52 | .62 | +47 | .60 | 36 |
| 18368490 | Mytty Resource 5157 | 2015 | +52 | .52 | +57 | .50 | 14 |
| 18379347 | EXAR Monumental 6056B | 2016 | +52 | .76 | +61 | .74 | 130 |
| 18385837 | Sitz Alpine 11076 | 2016 | +43 | .62 | +34 | .60 | 37 |
| 18385841 | Sitz BowTie 11956 | 2016 | +62 | .51 | +63 | .49 | 18 |
| 18385986 | Sitz Profile 1160 | 2016 | +1.09 | .70 | +94 | .68 | 69 |
| 18387220 | MJB McD Profound 9C | 2015 | +46 | .54 | +52 | .52 | 22 |
| 18389838 | Bar R Jet Black 5063 | 2015 | +45 | .79 | +47 | .78 | 205 |
| 18394876 | Sitz Invasion 574D | 2016 | +69 | .57 | +68 | .55 | 26 |
| 18394896 | Sitz Powerball 643D | 2016 | +40 | .51 | +45 | .50 | 17 |
| 18397542 | Sitz Stellar 726D | 2016 | +88 | .86 | +79 | .85 | 464 |
| 18402732 | Coleman Maverick 5322 | 2015 | +75 | .46 | +65 | .45 | 11 |
| 18413414 | O C C Beast 709B | 2014 | +51 | .48 | +56 | .46 | 18 |
| 18414912 | TEX Playbook 5437 | 2015 | +57 | .83 | +48 | .82 | 309 |
| 18423726 | KB-Full Measure C40 | 2015 | +36 | .67 | +31 | .65 | 61 |
| 18426162 | Bullerman Unlimited | 2016 | +68 | .48 | +76 | .46 | 19 |
| 18429666 | Deer Valley Unique 5635 | 2015 | +52 | .70 | +66 | .68 | 81 |
| 18432146 | V A R Revelation 6299 | 2016 | +40 | .55 | +38 | .54 | 29 |
| 18434738 | Stevenson Catalyst 60554 | 2016 | +38 | .58 | +45 | .56 | 28 |
| 18434747 | Stevenson Turning Point | 2016 | +97 | .70 | +80 | .69 | 82 |
| 18434749 | Stevenson Premium 60374 | 2016 | +64 | .57 | +55 | .55 | 26 |
| 18459971 | H P C A Early Bird 65 | 2016 | +74 | .50 | +75 | .48 | 19 |
| 18463791 | QHF WWA Black Onyx 5Q11 | 2015 | +38 | .63 | +40 | .61 | 43 |
| 18467508 | Musgrave 316 Stunner | 2016 | +59 | .83 | +49 | .82 | 307 |
| 18470330 | Hoover Top Notch P409 | 2015 | +55 | .47 | +60 | .45 | 12 |
| 18476755 | K C F Bennett Citation | 2015 | +73 | .52 | +59 | .51 | 17 |
| 18486587 | Yon High Cotton D885 | 2015 | +38 | .68 | +48 | .67 | 68 |
| 18491439 | K C F Bennett Boulder | 2015 | +73 | .56 | +65 | .54 | 26 |
| 18493773 | Baldrige Colonel C251 | 2015 | +28 | .83 | +43 | .81 | 257 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 18498059 | Connealy National 390C | 2015 | +.75 | .71 | +.58 | .69 | 83 |
| 18510183 | EZAR Gold Rush 6001 | 2016 | +.43 | .61 | +.54 | .59 | 38 |
| 18510792 | Deer Valley Ramp Up 5812 | 2015 | +.48 | .48 | +.52 | .47 | 8 |
| 18511488 | MW DNAmite | 2016 | -.03 | .51 | +.26 | .49 | 14 |
| 18511911 | Basin Payweight Plus 6048 | 2016 | +.51 | .62 | +.58 | .60 | 40 |
| 18512119 | Huwa Full Disclosure | 2016 | +.47 | .47 | +.54 | .45 | 10 |
| 18521803 | Styles Exchange Rate V661 | 2016 | +.43 | .50 | +.47 | .48 | 15 |
| 18529618 | Amdahl's Rocketeer 636 | 2016 | +.47 | .51 | +.51 | .49 | 17 |
| 18532152 | Connealy Plus 4660 | 2016 | +.60 | .49 | +.52 | .47 | 11 |
| 18532396 | Mc Cumber Steadfast 635 | 2016 | +.46 | .61 | +.61 | .59 | 44 |
| 18533642 | TC Authentic 640 | 2016 | +.52 | .53 | +.48 | .51 | 19 |
| 18533906 | Connealy Dry Valley | 2016 | +1.02 | .68 | +.92 | .67 | 73 |
| 18534794 | Connealy Southwind 6176 | 2016 | +.53 | .58 | +.53 | .56 | 35 |
| 18534920 | Connealy Payraise | 2016 | +.22 | .63 | +.32 | .61 | 43 |
| 18534952 | Connealy Legendary 644L | 2016 | +.74 | .77 | +.74 | .76 | 151 |
| 18535039 | Connealy Western Front | 2016 | +.60 | .51 | +.50 | .49 | 14 |
| 18538178 | Connealy Blackhawk 6198 | 2016 | +.66 | .65 | +.63 | .63 | 56 |
| 18542959 | Ellingson Homegrown 6035 | 2016 | +.27 | .70 | +.25 | .69 | 71 |
| 18543019 | Ellingson Homestead 6030 | 2016 | +.41 | .73 | +.38 | .71 | 100 |
| 18543034 | Ellingson Regiment 6362 | 2016 | +.69 | .46 | +.53 | .45 | 10 |
| 18543081 | Ellingson Consistent 6235 | 2016 | +.08 | .63 | +.12 | .61 | 45 |
| 18543414 | Mead Magnitude | 2015 | +.66 | .76 | +.70 | .74 | 144 |
| 18543644 | Hoover Know How | 2016 | +.59 | .64 | +.74 | .62 | 52 |
| 18545936 | Kesslers Commodore 6516 | 2016 | +.15 | .62 | +.34 | .60 | 49 |
| 18548853 | E&B New Addition 608 | 2016 | +.80 | .52 | +.71 | .50 | 19 |
| 18549444 | Wilks Payweight 6311 | 2016 | +.79 | .48 | +.69 | .46 | 11 |
| 18555914 | Connealy Cade | 2016 | +.43 | .53 | +.34 | .51 | 20 |
| 18558289 | Basin Deposit 6249 | 2016 | +.34 | .58 | +.32 | .57 | 37 |
| 18561289 | ZWT Summitt 6507 | 2016 | +.42 | .70 | +.34 | .69 | 84 |
| 18564510 | EB Teddy | 2016 | +.65 | .55 | +.61 | .53 | 22 |
| 18570027 | Coleman Navigator 614 | 2016 | +.61 | .58 | +.57 | .56 | 32 |
| 18578963 | S A V Rainfall 6846 | 2016 | +.57 | .85 | +.46 | .83 | 378 |
| 18578964 | S A V President 6847 | 2016 | +.79 | .80 | +.66 | .78 | 203 |
| 18578965 | S A V Raindance 6848 | 2016 | +.59 | .82 | +.48 | .81 | 284 |
| 18578966 | S A V 654X Rainmaster 6849 | 2016 | +.69 | .57 | +.59 | .55 | 29 |
| 18579001 | S A V Extension 6856 | 2016 | +.74 | .50 | +.69 | .48 | 13 |
| 18579297 | S A V Supercharger 6813 | 2016 | +.80 | .63 | +.76 | .61 | 41 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|----------------------------|----------|----------|----------|-----------|-----------|---------|
| 18586808 | Lazy JB Sundance 6428 | 2016 | + .40 | .47 | + .45 | .46 | 13 |
| 18587751 | Baldrige Chairman | 2016 | + .91 | .61 | + .97 | .59 | 38 |
| 18587805 | Baldrige Challenger | 2015 | + .40 | .54 | + .49 | .52 | 20 |
| 18587854 | Baldrige Hombre D748 | 2016 | + .64 | .54 | + .64 | .52 | 16 |
| 18595298 | Herbster Imprint 619 | 2016 | + .49 | .47 | + .40 | .45 | 8 |
| 18599768 | Schiefelbein Skol 6786 | 2016 | + .70 | .54 | + .64 | .52 | 20 |
| 18602631 | M R A Revolution 6112 | 2016 | + .55 | .50 | + .50 | .49 | 14 |
| 18608253 | DL Dually | 2016 | + .38 | .74 | + .28 | .72 | 114 |
| 18612511 | TQ Burke A09D | 2016 | + .77 | .61 | + .74 | .59 | 39 |
| 18619182 | Hilltops Charged Up 44T | 2016 | + .79 | .61 | + .70 | .59 | 34 |
| 18624063 | KR Casino 6243 | 2016 | + .52 | .59 | + .47 | .57 | 39 |
| 18624785 | Tehama Bonanza E410 | 2016 | + .64 | .71 | + .62 | .69 | 84 |
| 18626847 | U-2 Coalition 206C | 2015 | + .56 | .77 | + .51 | .75 | 142 |
| 18627224 | Covalent of Wye UMF 10832 | 2016 | + .28 | .53 | + .20 | .51 | 22 |
| 18631344 | Poss Achievement | 2016 | + .87 | .69 | + .90 | .68 | 68 |
| 18636043 | G A R Inertia | 2016 | + .24 | .72 | + .20 | .70 | 105 |
| 18636059 | G A R Quantum | 2016 | + .57 | .66 | + .43 | .64 | 71 |
| 18636106 | G A R Phoenix | 2016 | + .76 | .63 | + .64 | .61 | 50 |
| 18636166 | G A R Sunbeam | 2016 | + .78 | .55 | + .69 | .53 | 28 |
| 18644333 | SydGen Merit 6553 | 2016 | + .50 | .51 | + .49 | .49 | 17 |
| 18658677 | Casino Bomber N33 | 2016 | + .53 | .80 | + .60 | .78 | 193 |
| 18669357 | G A R Reliant | 2016 | + .39 | .56 | + .49 | .54 | 34 |
| 18672855 | Panther Cr Incredible 6704 | 2016 | + .57 | .54 | + .54 | .52 | 22 |
| 18675107 | E W A Peyton 642 | 2016 | + .60 | .71 | + .41 | .69 | 86 |
| 18688213 | Bakers Northside 6007 | 2016 | + .79 | .53 | + .72 | .51 | 24 |
| 18689711 | Welytok Herd Builder 7E20 | 2017 | + .20 | .47 | + .23 | .46 | 14 |
| 18690054 | GB Fireball 672 | 2016 | + .51 | .75 | + .47 | .74 | 142 |
| 18695428 | Leachman Foundation G081D | 2016 | + .57 | .51 | + .61 | .50 | 20 |
| 18708556 | ACC Ascension 7014 | 2017 | + .08 | .47 | + .25 | .46 | 13 |
| 18717078 | V A R Power Play 7018 | 2017 | + .37 | .62 | + .46 | .60 | 50 |
| 18734836 | Coleman Patriot 6310 | 2016 | + .37 | .47 | + .26 | .46 | 7 |
| 18734838 | Coleman Bravo 6313 | 2016 | + .64 | .81 | + .53 | .80 | 234 |
| 18736736 | O C C Cortez 819C | 2015 | + .48 | .51 | + .48 | .49 | 29 |
| 18737205 | O C C Castle Rock 857C | 2015 | + .62 | .53 | + .50 | .51 | 22 |
| 18741035 | Sitz Thunderball 734E | 2017 | + .46 | .64 | + .45 | .62 | 56 |
| 18741751 | Diablo Deluxe 1104 | 2016 | + .54 | .65 | + .59 | .63 | 55 |
| 18746402 | RES Dark Fire E612 | 2016 | + .58 | .60 | + .59 | .58 | 27 |

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08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|-----------------------------|----------|----------|----------|-----------|-----------|---------|
| 18746724 | Springfield Ramesses 6124 | 2016 | +.37 | .57 | +.45 | .55 | 34 |
| 18748511 | V A R Signal 7244 | 2017 | +.74 | .55 | +.68 | .53 | 24 |
| 18761484 | T K Steamboat D307 | 2016 | +.73 | .50 | +.69 | .48 | 28 |
| 18766553 | G A R Genuine | 2016 | +.36 | .49 | +.43 | .47 | 12 |
| 18769311 | SydGen Resolve 7132 | 2017 | +.47 | .50 | +.38 | .48 | 15 |
| 18771144 | WAR Pywt's Warwagon D502 | 2016 | +.62 | .57 | +.57 | .56 | 29 |
| 18785791 | Mohnen Success 187 | 2016 | +.95 | .67 | +.89 | .65 | 54 |
| 18787933 | Mohnen Worldwide 2617 | 2017 | +.25 | .61 | +.33 | .59 | 49 |
| 18805759 | K C F Bennett Leverage | 2016 | +.73 | .52 | +.56 | .50 | 15 |
| 18806765 | Basin Empire 7167 | 2017 | +.33 | .51 | +.35 | .49 | 18 |
| 18810548 | Yon Chattooga E46 | 2016 | +.41 | .76 | +.34 | .75 | 126 |
| 18818214 | Byergo Titus 6340 | 2016 | +.55 | .51 | +.58 | .48 | 23 |
| 18820785 | VDAR Lone Peak 2157 | 2017 | +.26 | .48 | +.32 | .46 | 18 |
| 18821965 | Stevenson Easy Money 70688 | 2017 | +.49 | .58 | +.49 | .56 | 29 |
| 18825876 | G V F MAGA 7009 | 2017 | +.39 | .55 | +.57 | .52 | 21 |
| 18827828 | Deer Valley Growth Fund | 2017 | +.50 | .86 | +.48 | .85 | 485 |
| 18827829 | Deer Valley Wall Street | 2017 | +.76 | .70 | +.68 | .69 | 82 |
| 18836111 | Stevenson Statement 70750 | 2017 | +.10 | .53 | +.46 | .51 | 22 |
| 18836113 | Stevenson Big League 70749 | 2017 | +.42 | .51 | +.39 | .50 | 15 |
| 18836115 | Stevenson Declaration 70748 | 2017 | +.51 | .64 | +.49 | .62 | 52 |
| 18837398 | Baldrige Alternative E125 | 2017 | +.88 | .76 | +.78 | .75 | 147 |
| 18838120 | Vermilion Spur E143 | 2017 | +.39 | .64 | +.36 | .62 | 60 |
| 18839231 | Connealy Mainstay | 2016 | +.62 | .73 | +.82 | .71 | 93 |
| 18842751 | GDAR Load Up 7104 | 2017 | +.29 | .75 | +.34 | .73 | 114 |
| 18843937 | Montana Empire 7045 | 2017 | +.54 | .46 | +.66 | .45 | 9 |
| 18844381 | Mc Cumber Tribute 702 | 2017 | +.74 | .60 | +.65 | .59 | 43 |
| 18854350 | RBM RAVE | 2017 | +.46 | .51 | +.44 | .50 | 16 |
| 18858569 | Raven Casino E5 | 2017 | +.25 | .48 | +.36 | .46 | 14 |
| 18860371 | S S Brickyard | 2017 | +.92 | .50 | +.60 | .48 | 14 |
| 18863391 | Cherry Creek Land Grant | 2016 | +.72 | .63 | +.60 | .62 | 41 |
| 18869400 | Connealy Maternal Made | 2017 | +.59 | .54 | +.52 | .52 | 22 |
| 18869432 | Connealy Stronghold | 2017 | +.48 | .69 | +.56 | .67 | 72 |
| 18869436 | Connealy Finnegan | 2017 | +.43 | .56 | +.45 | .54 | 33 |
| 18869442 | Connealy Gary | 2017 | +.72 | .65 | +.69 | .63 | 59 |
| 18870277 | Connealy Long Range | 2017 | +.06 | .70 | +.16 | .68 | 75 |
| 18870410 | Connealy Fortune 752L | 2017 | +.76 | .68 | +.77 | .67 | 64 |
| 18875709 | KR Synergy | 2017 | +.56 | .52 | +.49 | .50 | 27 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

EPDs reflect data sent in on or before 08/16/2024

Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|-----------------------------|----------|----------|----------|-----------|-----------|---------|
| 18876777 | Woodhill Blueprint | 2017 | +.77 | .77 | +.67 | .76 | 151 |
| 18876787 | Woodhill Reliable | 2017 | +.35 | .47 | +.40 | .45 | 12 |
| 18885447 | KR Rally | 2017 | +.69 | .58 | +.62 | .56 | 27 |
| 18891207 | Benchmark Tender Beef 11'17 | 2017 | +.39 | .48 | +.43 | .46 | 18 |
| 18893730 | Koupals B&B Atlas 7131 | 2017 | +.19 | .46 | +.44 | .45 | 11 |
| 18893744 | Koupals B&B Detail 7070 | 2017 | +.68 | .53 | +.64 | .51 | 23 |
| 18899063 | Ellingson Rider Pride 7282 | 2017 | +.95 | .61 | +.87 | .59 | 38 |
| 18899092 | Ellingson Authorize 7057 | 2017 | +.73 | .57 | +.63 | .55 | 26 |
| 18904555 | Schiefelbein Warranty 797 | 2017 | +.69 | .48 | +.60 | .47 | 11 |
| 18909435 | S Foundation 7179 | 2017 | +.64 | .50 | +.64 | .48 | 18 |
| 18911198 | S A V Elation 7899 | 2016 | +.57 | .58 | +.57 | .56 | 28 |
| 18911225 | S A V Circuit Breaker 7136 | 2017 | +.67 | .67 | +.61 | .65 | 71 |
| 18913003 | S A V Quarterback 7933 | 2017 | +.47 | .60 | +.37 | .58 | 39 |
| 18913034 | S A V Territory 7225 | 2017 | +.46 | .59 | +.37 | .57 | 37 |
| 18935529 | Werner Fortress 7073 | 2017 | +.52 | .54 | +.61 | .52 | 22 |
| 18937350 | Nemaha Revelation 7082 | 2017 | +.47 | .48 | +.54 | .46 | 11 |
| 18938378 | Lyons Manhattan 6205 | 2016 | +.38 | .50 | +.44 | .49 | 17 |
| 18941522 | Conley Express 7211 | 2017 | +.49 | .48 | +.50 | .46 | 21 |
| 18943322 | G A R Combustion | 2017 | +.64 | .53 | +.66 | .51 | 24 |
| 18944889 | PVF Blacklist 7077 | 2017 | +.74 | .48 | +.78 | .45 | 15 |
| 18952013 | McD Effective 789 | 2017 | +.71 | .60 | +.59 | .58 | 40 |
| 18952921 | MOGCK Entice | 2017 | +.14 | .80 | +.62 | .79 | 219 |
| 18956511 | BAR Cash 707 | 2017 | +.61 | .55 | +.82 | .53 | 28 |
| 18962396 | Poss Maverick | 2017 | +.45 | .75 | +.63 | .74 | 119 |
| 18962438 | TR Mr Payweight 7115E | 2017 | +.53 | .63 | +.68 | .62 | 44 |
| 18965618 | Deep Creek Reckon 712 | 2017 | +.55 | .51 | +.47 | .47 | 22 |
| 18966328 | WAR Payback 4132-740 | 2017 | +.32 | .58 | +.32 | .56 | 25 |
| 18981191 | Tehama Patriarch F028 | 2017 | +.75 | .79 | +.36 | .78 | 213 |
| 18996007 | Ferguson Trailblazer 239E | 2017 | +.81 | .50 | +.74 | .47 | 15 |
| 18996457 | Jindra Blackout | 2017 | +.42 | .69 | +.35 | .67 | 67 |
| 19000513 | MCC All Purpose 7027 | 2017 | +.03 | .48 | +.11 | .46 | 12 |
| 19008202 | Thomas Big Data 7435 | 2017 | +.65 | .49 | +.57 | .47 | 16 |
| 19014756 | 4M Ace 709 | 2017 | +.32 | .47 | +.39 | .45 | 13 |
| 19023432 | G A R Original Sin | 2017 | +.75 | .49 | +.77 | .47 | 12 |
| 19026387 | Jacs Rare Find 6503 | 2016 | +.54 | .56 | +.42 | .54 | 27 |
| 19057457 | Sitz Resilient 10208 | 2018 | +1.01 | .80 | +1.06 | .78 | 227 |
| 19060378 | Sitz Logo 6197 | 2017 | +.82 | .54 | +.74 | .51 | 22 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|------------------------------|----------|----------|----------|-----------|-----------|---------|
| 19066964 | 44 Lucky Charm | 2017 | +.68 | .50 | +.59 | .48 | 15 |
| 19067902 | O C C Deadline 775D | 2016 | +.60 | .54 | +.62 | .52 | 35 |
| 19078148 | Sitz Barricade 632F | 2018 | +.71 | .63 | +.71 | .61 | 54 |
| 19078208 | Sitz Accomplishment 720F | 2018 | +1.00 | .75 | +.99 | .74 | 138 |
| 19087441 | Sitz Logo 8148 | 2018 | +1.17 | .70 | +1.04 | .68 | 91 |
| 19102287 | Coleman Marshall 7170 | 2017 | +.45 | .56 | +.46 | .54 | 29 |
| 19102305 | Coleman Resolve 7219 | 2017 | +.59 | .59 | +.45 | .57 | 34 |
| 19102306 | Coleman Rebound 7220 | 2017 | +.55 | .48 | +.53 | .47 | 10 |
| 19107936 | Coleman Rock 7200 | 2017 | +.75 | .58 | +.63 | .56 | 34 |
| 19123898 | G A R Dual Threat | 2017 | +.72 | .56 | +.64 | .54 | 32 |
| 19124835 | Woodland Centerfire | 2018 | +.73 | .47 | +.79 | .46 | 13 |
| 19125179 | K C F Bennett Summation | 2017 | +.61 | .62 | +.65 | .60 | 45 |
| 19134907 | Connealy Lone Star | 2017 | +.88 | .47 | +.78 | .45 | 12 |
| 19140354 | Bruin Envy 7248 | 2017 | +1.07 | .49 | +.94 | .47 | 12 |
| 19141180 | Yon Bowery F106 | 2017 | +.58 | .62 | +.50 | .60 | 37 |
| 19143291 | Yon Deep Ridge F460 | 2017 | +.77 | .60 | +.76 | .58 | 32 |
| 19148655 | Circle L Landmark | 2018 | +.36 | .51 | +.36 | .49 | 19 |
| 19151324 | K C F Bennett Constitution | 2017 | +.74 | .64 | +.48 | .61 | 50 |
| 19162202 | Mead Perseverance R1266 | 2017 | +.28 | .50 | +.34 | .48 | 18 |
| 19183097 | Mohnen General 548 | 2017 | +.46 | .64 | +.42 | .63 | 44 |
| 19189229 | Sterling confidence plus 804 | 2018 | +.74 | .49 | +.67 | .47 | 16 |
| 19195196 | SydGen KCF Gavel 8361 | 2018 | +.54 | .68 | +.49 | .66 | 67 |
| 19196960 | E&B Plus One | 2018 | +.78 | .78 | +.81 | .77 | 198 |
| 19197873 | Woodhill Relevance | 2018 | +.79 | .61 | +.78 | .59 | 41 |
| 19199070 | Woodhill Patent | 2018 | +.47 | .47 | +.45 | .46 | 11 |
| 19199614 | Schafer Full Power 1803 | 2018 | +.74 | .48 | +.76 | .46 | 17 |
| 19202253 | Musgrave Crackerjack | 2018 | +.43 | .62 | +.42 | .60 | 50 |
| 19203563 | Ellingson Fundamental | 2018 | +.76 | .51 | +.74 | .49 | 20 |
| 19203612 | Ellingson Profound 8155 | 2018 | +.75 | .55 | +.67 | .53 | 27 |
| 19203618 | Ellingson Three Rivers 8062 | 2018 | +.51 | .64 | +.45 | .62 | 50 |
| 19205241 | Mohnen Homeraised 3758 | 2018 | +.55 | .49 | +.37 | .47 | 16 |
| 19209934 | Mohnen Dakota 2528 | 2018 | +.71 | .60 | +.57 | .59 | 39 |
| 19222007 | RBM Spur F157 | 2018 | +.43 | .49 | +.43 | .47 | 16 |
| 19230832 | PGC Forge | 2018 | +.25 | .47 | +.41 | .45 | 9 |
| 19232992 | A A R Knudson 8241 | 2018 | +.45 | .47 | +.53 | .45 | 13 |
| 19235503 | 21AR Rainmaker 8343A | 2018 | +.31 | .57 | +.44 | .55 | 29 |
| 19235838 | Baldrige Pappy | 2018 | +.79 | .47 | +.82 | .46 | 11 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

EPDs reflect data sent in on or before 08/16/2024

Page 20 of 22

Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|-----------------------------|----------|----------|----------|-----------|-----------|---------|
| 19244650 | GDAR All Pro 8121 | 2018 | +.57 | .65 | +.69 | .64 | 45 |
| 19248497 | OLC Big Texan 317 | 2018 | +.76 | .47 | +.73 | .45 | 11 |
| 19249247 | Connealy Reformed | 2018 | +.11 | .66 | +.25 | .64 | 57 |
| 19249322 | Connealy Big Valley | 2018 | +.75 | .58 | +.75 | .56 | 32 |
| 19249580 | S A V America 8018 | 2018 | +.70 | .69 | +.50 | .67 | 89 |
| 19250026 | S A V Downpour 8794 | 2018 | +.68 | .60 | +.47 | .58 | 48 |
| 19250937 | S A V Emblem 8074 | 2018 | +.55 | .55 | +.52 | .53 | 30 |
| 19251490 | LT Confidante 8002 | 2018 | +.34 | .49 | +.39 | .46 | 16 |
| 19251965 | Connealy Upscale | 2018 | +.60 | .63 | +.65 | .61 | 50 |
| 19256275 | Freys Cowboy Logic | 2018 | +.18 | .52 | +.42 | .50 | 19 |
| 19257149 | Connealy Emerald | 2018 | +.65 | .80 | +.63 | .78 | 207 |
| 19260249 | Schiefelbein Showman 338 | 2018 | +.65 | .52 | +1.00 | .50 | 21 |
| 19265123 | Linz Exemplify 71124 | 2017 | +1.07 | .48 | +.96 | .46 | 15 |
| 19266637 | G A R Kansas | 2018 | +.76 | .51 | +.75 | .49 | 27 |
| 19266718 | G A R Home Town | 2018 | +.82 | .79 | +.84 | .78 | 239 |
| 19274932 | S S Enforcer E812 | 2018 | +.43 | .55 | +.52 | .54 | 34 |
| 19274953 | Amdahl Range Master 830 | 2018 | +.71 | .52 | +.54 | .50 | 23 |
| 19274968 | KOUPALS B&B Pathfinder 810€ | 2018 | +.41 | .55 | +.47 | .53 | 25 |
| 19274974 | HA Cowboy Kind 8157 | 2018 | +.65 | .52 | +.57 | .50 | 21 |
| 19293489 | Prairiedge Steadfast | 2018 | +.56 | .49 | +.70 | .47 | 14 |
| 19356243 | Baldrige SR Goalkeeper | 2019 | +.60 | .64 | +.71 | .62 | 61 |
| 19358191 | EXAR Jet Stream 9150B | 2019 | +.39 | .56 | +.57 | .54 | 31 |
| 19362382 | G A R Greater Good | 2018 | +.76 | .50 | +.70 | .48 | 18 |
| 19381619 | Sitz Intuition | 2019 | +.87 | .59 | +.74 | .57 | 41 |
| 19391816 | Basin Freedom F361 | 2018 | +.34 | .48 | +.41 | .46 | 16 |
| 19400444 | Stevenson Everlast | 2019 | +.64 | .47 | +.62 | .45 | 11 |
| 19401188 | Wilks Regiment 9035 | 2019 | +.42 | .58 | +.46 | .56 | 43 |
| 19403363 | Galaxy Detail 8546 | 2018 | +.66 | .47 | +.74 | .45 | 11 |
| 19405246 | Square B True North 8052 | 2018 | +.57 | .69 | +.40 | .67 | 87 |
| 19405249 | Square B Atlantis 8060 | 2018 | +.59 | .67 | +.56 | .66 | 73 |
| 19416968 | Poss Rawhide | 2019 | +.73 | .69 | +.79 | .68 | 89 |
| 19418329 | Myers Fair-N-Square M39 | 2019 | +.72 | .73 | +.61 | .71 | 127 |
| 19421003 | Heiken Broadview | 2019 | +.45 | .61 | +.51 | .58 | 44 |
| 19464109 | GDAR Justified 914 | 2019 | +.61 | .60 | +.44 | .59 | 38 |
| 19464157 | GDAR Justified 9189 | 2019 | +.50 | .58 | +.50 | .57 | 29 |
| 19466633 | Deer Valley Optimum 9246 | 2019 | +.64 | .58 | +.64 | .56 | 36 |
| 19468964 | Connealy King Air | 2018 | +.47 | .47 | +.60 | .45 | 11 |

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Teat and Udder Research EPD

08/21/2024

| Registration No. | Name | Birth Yr | Teat EPD | Teat Acc | Udder EPD | Udder Acc | TU Prog |
|------------------|---------------------------|----------|----------|----------|-----------|-----------|---------|
| 19469706 | Deer Valley Brigade 81247 | 2018 | +.59 | .50 | +.66 | .48 | 17 |
| 19472962 | SRS Glacier 2256G | 2019 | +.62 | .52 | +.66 | .50 | 17 |
| 19476453 | Yon Top Cut G730 | 2018 | +.74 | .63 | +.58 | .61 | 50 |
| 19478642 | Baldrige Flagstone F411 | 2018 | +.83 | .58 | +.86 | .56 | 31 |
| 19490484 | Ellingson On Point 9079 | 2019 | +.86 | .48 | +.75 | .46 | 13 |
| 19503604 | Mill Brae Benchmark 9016 | 2019 | +.93 | .58 | +.69 | .56 | 34 |
| 19507801 | K C F Bennett Exponential | 2019 | +.64 | .62 | +.70 | .60 | 50 |
| 19526770 | Crawford Guarantee 9137 | 2019 | +.31 | .49 | +.40 | .47 | 19 |
| 19529394 | BAR B-52 | 2019 | +.49 | .53 | +.48 | .51 | 18 |
| 19542324 | S A V Bloodline 9578 | 2018 | +.71 | .48 | +.62 | .46 | 16 |
| 19554836 | Connealy Kilroy | 2019 | +.42 | .47 | +.53 | .46 | 8 |
| 19554862 | Connealy Conqueror | 2019 | +.48 | .47 | +.57 | .46 | 11 |
| 19555171 | Connealy Clarity | 2019 | +.86 | .69 | +.85 | .67 | 91 |
| 19555917 | Coleman Triumph 9145 | 2019 | +.72 | .53 | +.55 | .51 | 21 |
| 19558032 | Mohnen Leader | 2019 | +.45 | .50 | +.37 | .49 | 17 |
| 19559369 | Coleman Logo 947 | 2019 | +.81 | .46 | +.72 | .45 | 12 |
| 19559741 | SG Salvation | 2019 | +.41 | .63 | +.51 | .61 | 56 |
| 19567291 | Mohnen Prince 2959 | 2019 | +.39 | .53 | +.31 | .51 | 18 |
| 19572776 | M R A Advocate 9035 | 2019 | +.57 | .56 | +.47 | .54 | 28 |
| 19581696 | Baldrige Gibson G859 | 2019 | +.70 | .55 | +.82 | .53 | 26 |
| 19590500 | Ellingson Rangeland | 2019 | +.96 | .68 | +.74 | .66 | 80 |
| 19597261 | Poss Deadwood | 2019 | +.76 | .49 | +.83 | .47 | 17 |
| 19611994 | DB Iconic G95 | 2019 | +.58 | .49 | +.60 | .47 | 17 |
| 19665175 | Sitz Virtue 11710 | 2020 | +.82 | .48 | +.82 | .46 | 16 |
| 19677938 | SITZ Incentive 704H | 2020 | +1.01 | .48 | +.94 | .46 | 15 |
| 19716901 | Spring Cove Crossfire 26H | 2020 | +1.03 | .55 | +.88 | .53 | 28 |
| 19771888 | Mohnen Bandolier | 2020 | +.59 | .47 | +.72 | .45 | 12 |
| 19774516 | BJ Surpass | 2019 | +.49 | .63 | +.51 | .61 | 54 |
| 19776434 | Mohnen Stats | 2020 | +.62 | .54 | +.66 | .52 | 25 |

Breed average EPD for both TEAT and UDDR is 0.52. A lower EPD will move the population closer to a score of 1, while a higher EPD will move the population closer to a score of 9 for each TEAT and UDDR. Caution should be aired to not reach undesirable extremes for either trait.

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Background

In the suite of traits to improve maternal function, good udder structure plays an important role in beef production. Even though milk is not the end product from a beef production system, good udder structure is related to cow longevity and health, as well as calf survival and growth from birth to weaning.

To characterize udder structure, the American Angus Association® (Association) has scoring guidelines to help producers evaluate their cow herd. The scores are taken within 24 hours of birth of the calf and can be taken for every calf a cow births. The visual assessment of teat size (TEAT) and udder suspension (UDDR) should be reported on the combined weakest quarter and one person should score all the females within the same management group.

Both scores (TEAT and UDDR) are scored on a scale from one to nine, where a score of one represents a very large and misshapen teat, or a very pendulous udder, while a nine indicates a very small teat size or a very tight udder.

The detailed scoring guideline as well as more data recording instructions can be found on the Angus.org teat and udder research page under the Angus Herd Improvement Records® (AHIR) program or by [clicking here](#).

Given the relevance of TEAT and UDDR and the amount of data already submitted by Angus breeders to the Association, Angus Genetics Inc. (AGI) set out to research these traits and develop TEAT and UDDR research expected progeny differences (EPD) for the membership.

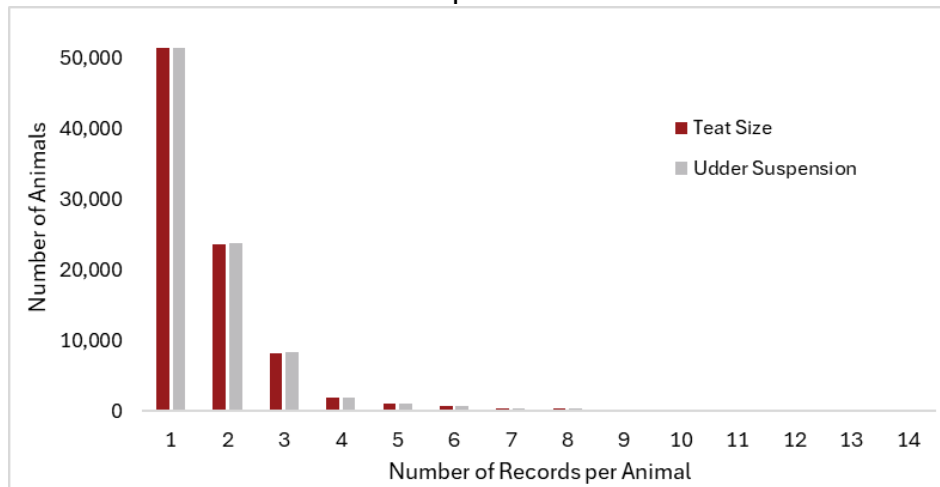
The research explored the data distribution within the Angus population, estimated genetic parameters, heritabilities, and genetic correlations as well as the development of the statistical model for a research genetic evaluation.

Data Dive

For the research and development of the research EPD for each of these traits, phenotypic records, alongside pedigrees and genotypes are incorporated in the single-step genetic evaluation model.

In the research development, there were over 148,000 records for each TEAT and UDDR, from more than 87,000 individual cows. The number of records is larger than the number of cows as females can have multiple records submitted over their lifetime. Many cows only had one record reported but there are some with up to 14 records submitted (Figure 1).

Figure 1: Distribution of the number of records per cow in the TEAT and UDDR research.



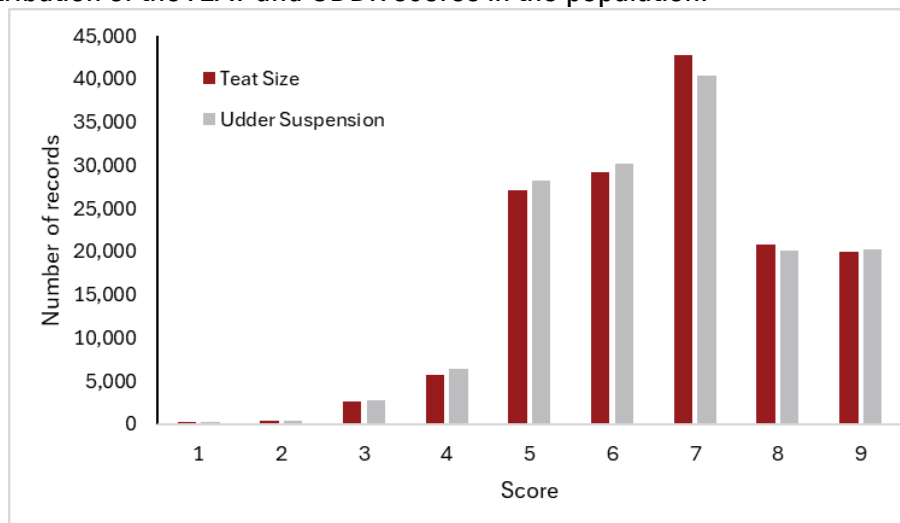
Overall, both teat and udder scores have an average score of 6.6 and submitted scores range from one to nine, representing the entire scoring scale. Table 1 shows the descriptive statistics of the phenotypic data.

Table 1: Descriptive statistics of TEAT and UDDR phenotypic records.

| Trait | N records | Average | Min | Max | SD |
|------------------|-----------|---------|-----|-----|-----|
| Teat Size | 148,639 | 6.6 | 1.0 | 9.0 | 1.5 |
| Udder Suspension | 148,959 | 6.6 | 1.0 | 9.0 | 1.5 |

Even though the scores are distributed across the entire scoring scale, the number of records scored between 1 and 4 is small and most of the data lies between scores five through nine, as displayed in Figure 2.

Figure 2: Distribution of the TEAT and UDDR scores in the population.



The data distribution in Figure 2 shows that most cows were between scores 5 and 7 for both traits, which are between intermediate to small teats, and intermediate to tight udders. This would indicate that the Angus cow herd reported into the Association's database have good udder structure.

For teat size and udder suspension, extreme scores on either end of the scale are undesirable. Large teats can prevent a calf from suckling and proper intake of colostrum, and large/pendulous udders can cause problems like mastitis and are more prone to injury; on the other hand, very small teats can also result in a calf that cannot properly nurse and very tight udders may be associated with low milk production, resulting in poor calf development.

Modeling and genetic parameters estimation

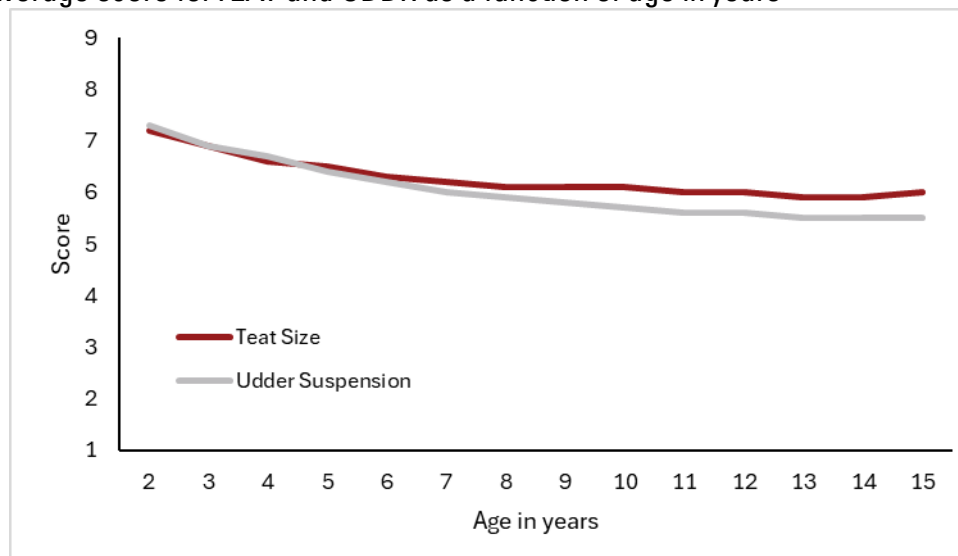
To estimate the heritabilities and genetic correlations, and to develop a research EPD, the first step is to identify the sources of non-genetic variation that affect a phenotype and develop the statistical model for the traits.

For TEAT and UDDR, the contemporary group accounts for environmental and management differences and it was defined as calving events happening on an operation within a 90-day window and with the same birth management group. The birth management group is used to group cows that are managed and will calve together within an operation.

Note that both teat size and udder suspension scores should be measured within 24 hours of the calf's birth.

In addition to the contemporary group, our research shows that the age of the cow also plays an important role, and as cows get older, teat size tends to get larger (scores closer to 1), and udders tend to get more pendulous (scores closer to 1). This is illustrated in Figure 3.

Figure 3: Average score for TEAT and UDDR as a function of age in years



The relationship between udder structure and cow age makes it important to score females multiple times throughout their lifetime, as well as to account for the age of the cows in the model. Because age is accounted for in the model, females should be scored the same regardless of their age at time of calving.

Table 2 shows the heritability for TEAT and UDDR as well as the genetic correlation between the traits. Both teat size and udder suspension are moderately heritable (0.32 and 0.28, respectively) and have a genetic correlation of 0.77 which supports modeling them together in a multiple trait model.

Table 2: Heritability and genetic correlation for Teat and UDDR.

| | Teat Size | Udder Suspension |
|------------------|-------------|------------------|
| Teat Size | 0.32 | 0.77 |
| Udder Suspension | 0.77 | 0.28 |

Research EPDs

The TEAT and UDDR research EPDs are expressed in the units of teat and udder scores. These EPDs predict expected differences in teat size and udder suspension scores when comparing progeny of different individuals under similar mating and raised on the same conditions.

Teat Size EPD (TEAT), expressed in units of teat size score with a higher EPD indicating smaller teats. The teat size scores range from 9 (very small) to 1 (very large, balloon shaped). Longer, thicker teats inhibit calf suckling which could decrease the intake of colostrum and increase the risk of preweaning mortality.

Udder Suspension EPD (UDDR), expressed in units of udder suspension score with a higher EPD indicating tighter udder suspension. The udder suspension scores range from 9 (very tight) to 1 (very pendulous). Weak suspension (low scores) indicates lack of support to the ligament that ties the udder to the cow's body all allowing the udder to hang low subjecting the udder to increased injury or other issues.

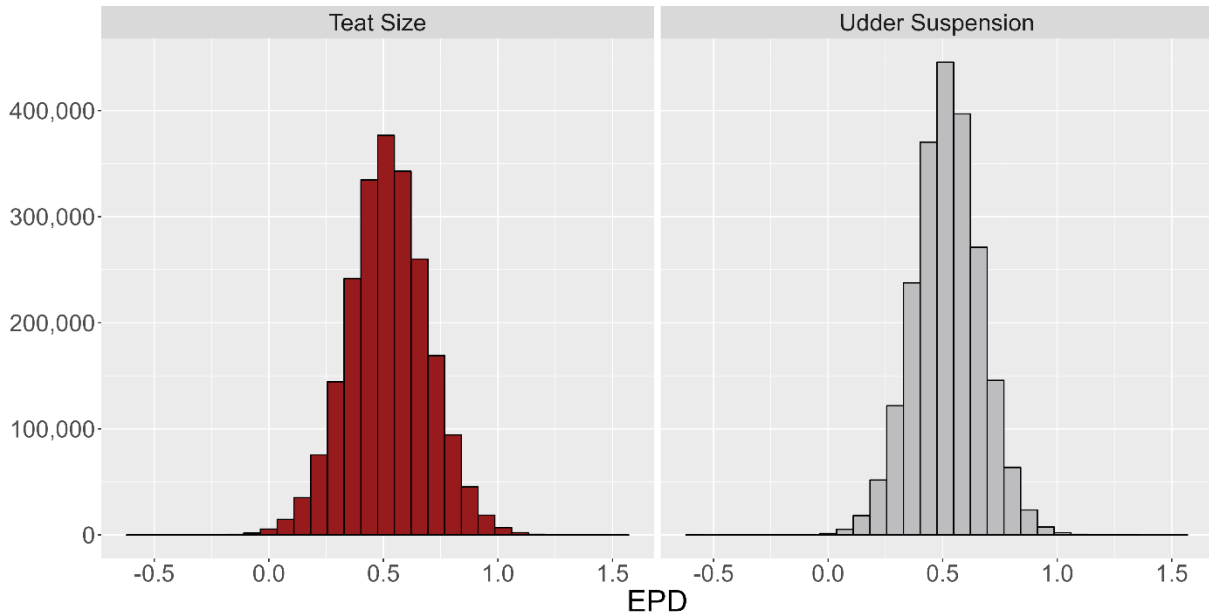
While overall smaller teats and tighter udders tend to result in fewer problems, breeders need to consider making breeding decisions to avoid extremes. In this context, while a higher EPD would lead to smaller teats and tighter udders over generations, caution is needed not to push the herd towards an undesirable extreme. A negative correlation exists between teat size and weaning weight direct (-0.14), and maternal (-0.17); this relationship is similar between udder suspension and weaning weight direct (-0.11), and maternal (-0.24). Weaning weight maternal is often referred to as the milk EPD and it is expressed as pounds of weaning weight.

Table 3 shows the EPD distribution of the entire population for TEAT and UDDR. The average EPD for both traits is 0.52 ranging from about -0.6 to 1.51. From largest to smallest there is a range of over two scores, which shows the variation within the population allowing breeders to make selection decisions that fit their breeding programs. Figure 4 shows the histogram distribution of the EPD that displays a bell-shaped distribution centered around the mean.

Table 3: Descriptive statistics of the overall population of Teat and UDDR EPD.

| Trait | Average | Min | Max | SD |
|------------------|---------|-------|------|------|
| Teat Size | 0.52 | -0.57 | 1.51 | 0.17 |
| Udder Suspension | 0.52 | -0.60 | 1.33 | 0.15 |

Figure 4: Teat and UDDR EPD distribution.



Conclusion

The current research conducted by the AGI research team supports the release of research EPDs for teat size and udder suspension. These two new research EPDs will expand the American Angus breeder’s toolbox to improve maternal function. Continued data reporting is encouraged as these new EPDs develop and the database expands. The development of the TEAT and UDDR research EPDs includes phenotypic data alongside pedigrees and genotypes in the single-step model. The TEAT and UDDR research EPDs were released on August 22, 2024. We will continue to monitor and research these traits until a final production release as well as their incorporation into the appropriate \$Value indexes.