

Sire Summary

American Angus Association releases the printed version
of *Spring 2009 Sire Evaluation Report*.

Table 1: Expected progeny difference (EPD) and \$Values averages, standard deviations (SD) and minimum/maximum

Trait	No. records	No. EPD	Avg.	SD	Min.	Max.
<i>Production:</i>						
Calving ease direct, %	923,950	5,736,938	2	5	-33	20
Birth weight, lb.	4,991,599	6,897,241	1.4	2.5	-11.5	15.8
Weaning direct, lb.	5,663,077	6,897,241	22	19	-61	94
Yearling weight, lb.	2,773,390	6,897,241	40	34	-81	151
Yearling height, in.	533,978	925,183	.3	.3	-2.0	2.4
Scrotal circumference, cm	479,027	999,986	.16	.46	-3.61	3.17
<i>Maternal:</i>						
Calving ease maternal, %	923,950	5,736,938	4	4	-32	18
Maternal milk, lb.	5,663,077	6,897,241	10	9	-38	47
Mature weight, lb.	133,360	311,899	19	30	-138	253
Mature height, in.	133,360	311,899	.5	.3	-3.8	5.1
<i>Carcass:</i>						
Carcass weight, lb.	83,564	1,684,771	5	8	-65	58
Marbling score	83,564	1,675,278	.17	.19	-.71	1.30
Ribeye area, sq. in.	83,564	1,684,771	.02	.17	-.90	1.18
12th-rib fat thickness, in.	83,564	1,684,080	.003	.020	-.123	.181
Ultrasound intramuscular fat, %	954,314					
Ultrasound ribeye area, sq. in.	959,583					
Ultrasound fat thickness, in.	963,085					
Current sires¹						
	No. Indexes					
Wean Value (\$W), \$/head	23,732	23.53	5.12	-12.99	47.82	
Feedlot Value (\$F), \$/head	23,732	21.14	12.73	-49.79	83.27	
Grid Value (\$G), \$/head	19,744	19.40	8.58	-21.43	48.34	
Beef Value (\$B), \$/head	19,744	36.16	12.78	-42.89	78.35	
Cow Energy (\$EN), savings, \$/cow/year	23,732	4.49	8.64	-26.87	56.22	

¹Current sires have at least one calf recorded in the American Angus Association Herd Book within the past two years.

The printed version of the *Spring 2009 Sire Evaluation Report* was made available to breeders in January.

From a total of **195,124** sires with progeny records in the American Angus Association database, the *Spring 2009 Sire Evaluation Report* lists **2,337** sires with the following qualifications:

1. The sire must have at least 35 yearling progeny weights in proper contemporary groups on Angus Herd Improvement Records (AHIR®).
2. The sire must have a yearling accuracy value of at least 0.40.
3. The sire must have had at least five calves recorded in the American Angus Association Herd Book since **Jan. 1, 2007**.

The Young Sire Supplement lists **2,738** bulls born after **Jan. 1, 2005**, which have at least 10 progeny weaning weights on AHIR and have a weaning accuracy of at least 0.30.

Expected progeny differences (EPDs) and associated accuracies (ACC) are listed for calving ease direct (CED) and maternal (CEM), birth weight (BW), weaning weight (WW), yearling weight (YW) and height (YH), scrotal circumference (SC), milk (MILK), mature weight (MW) and height (MH), carcass weight (CW), marbling (Marb), ribeye area (REA) and fat (Fat).

Dollar values (\$values) are listed for weaned calf value (\$W), cow energy value

Fig. 1: Spring 2009 breed average EPD and \$Values

	Production						Maternal					Carcass				\$Values			
	CED	BW	WW	YW	YH	SC	CEM	Milk	MW	MH	\$EN	CW	Marb	RE	Fat	\$W	\$F	\$G	\$B
Current Sires ¹	+5	+2.2	+42	+78	+3	+3.4	+6	+20	+32	+5	+4.49	+10	+26	+10	+0.08	+23.53	+21.14	+19.40	+36.16
Main Sires	+5	+2.1	+45	+83	+3	+3.7	+6	+20	+33	+5	+3.36	+10	+26	+11	+0.08	+24.61	+25.00	+18.97	+36.39
Supplemental Sires	+6	+2.0	+47	+86	+3	+4.8	+7	+22			+3.8	+13	+30	+15	+0.14	+25.08	+26.78	+20.05	+40.30
Current Dams ¹	+4	+2.4	+38	+69	+3	+2.2	+6	+18	+32	+5	+8.68	+6	+21	+0.4	+0.05	+22.03	+14.32	+17.58	+30.40
Non-Parent Bulls	+5	+2.2	+44	+80	+3	+3.8	+6	+21			+2.89	+10	+30	+1.4	+0.11	+24.30	+23.00	+20.86	+38.70
Non-Parent Cows	+5	+2.2	+43	+80	+3		+6	+20			+3.21	+11	+32	+1.5	+0.11	+24.19	+22.50	+21.16	+39.02

¹At least one calf recorded in herd book within the past two years.

(\$EN), feedlot value (\$F), grid value (\$G), quality grade value (\$QG), yield grade value (\$YG) and beef value (\$B) The printed summary also contains research reports for docility.

Descriptions of each of these values are provided in the printed summary and online at www.angussiresearch.com. Table 1 shows the number of records used to calculate each EPD, the number of EPDs generated, along with the average, minimum and maximum values among current sires. Fig. 1 shows the breed average EPDs and \$values for current sires, main sires, supplemental sires, current dams, and non-parent bulls and cows. Figs. 2-5 show the genetic trends for various traits.

Research reports

The *Spring 2009 Sire Evaluation Report* contains research reports for docility (DOC) and heifer pregnancy (HP) EPDs.

The docility report includes sires with a minimum of 0.35 accuracy and at least 15 progeny and two progeny groups. The report contains DOC EPDs for 574 sires. Temperament scores of 61,253 animals within 5,809 contemporary groups provided EPDs for 196,384 animals. The average EPD was 8, with a minimum of -30 and a maximum of +41.

The heifer pregnancy report includes sires with a minimum of 0.30 accuracy. The report contains HP EPDs for 577 sires. Heifer breeding records on 21,461 heifers within 583 contemporary groups provided EPDs for 55,345 animals. The average EPD was 8, with a minimum of -7 and a maximum of +17.

Full report, summaries

Active members who returned their blue request cards to receive a printed copy of the *Spring 2009 Sire Evaluation Report* will receive it automatically. Other members and commercial producers who want a printed report should request it via e-mail or by calling the Association. Breeders who would like a quantity of printed reports to have on hand for their sales or events are welcome to do so.

In addition to the publication and the online search (www.angussiresearch.com), the Association has made available the entire Sire Evaluation Report on CD-Rom. These can be purchased for \$25 initially with biannual updates provided upon request at \$15.

All requests should be submitted to Brenda Gabriel at bgabriel@angus.org or 816-383-5144.



Fig. 2: Angus genetic trend, EPD by birth year

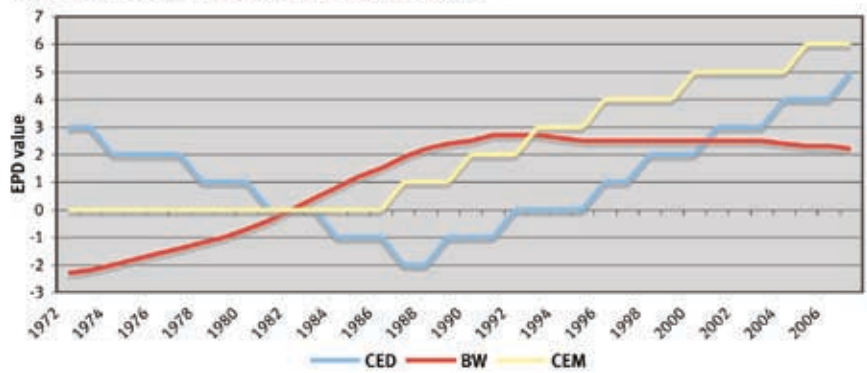


Fig 3: Angus genetic trend, EPD by birth year

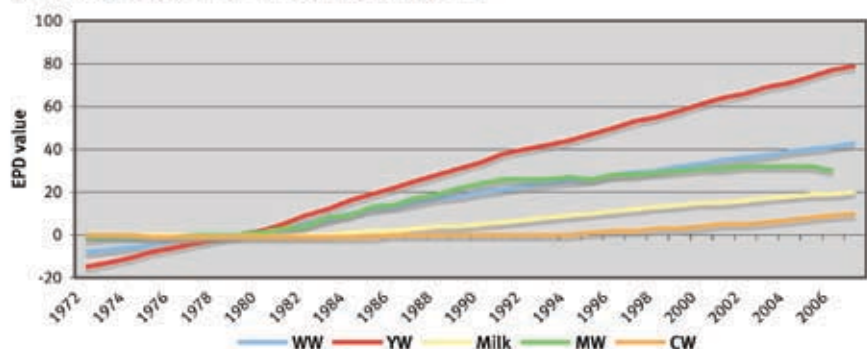


Fig. 4: Angus genetic trend, EPD by birth year

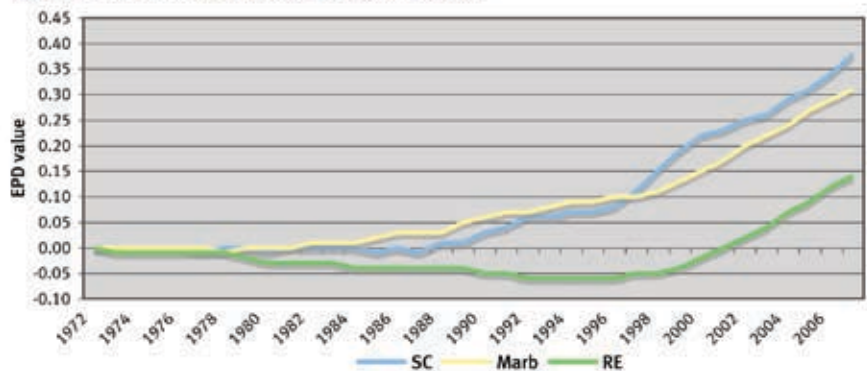


Fig. 5: Angus genetic trend, EPD by birth year, for fat

