



41st Annual Illinois Performance Tested Bull Sale



Bull Sale Order

The sale order for the 2009 Bull Sale will be determined by using the **Power Score**.

Power Score (PS). The PS will be calculated for a bull based on “Percentile Rank” for six EPDs. The 2009 PS for bull will use the traits of BW, WW, YW, MM, Marb/%IMF & REA EPDs in the following equation.

$$PS = (BW\% + WW\% + YW\% + MM\% + \text{Marbling or \%IMF} + REA) / 6$$

In the equation, BW% is the bull’s percentile rank within his breed for BW, WW% is his percentile rank for WW, YW% is his percentile rank for YW, MM% is his percentile rank for MM, MB/%IMF is his percentile rank and REA is his percentile rank. The scoring system is similar to golf. **LOWER SCORES mean a more genetically desirable bull.**

PS Example. The following four Angus bulls are representative of those sold through previous IPT Bull Sales. If we are to rank these for use in a rotational system in which females will be used as replacements in the cowherd and bull calves will enter the feedlot as steers and sold on a grid basis.

Sire	BW	WW	YW	MM	%IMF	REA
A	+2.7	+60	+110	+18	+.18	+.27
B	-.9	+61	+98	+38	+.43	+.45
C	-.2	+48	+88	+27	+.36	+.39
D	+3.3	+51	+89	+19	-.11	+.17

To calculate the PS for the bulls above, use your breed’s most current Percentile Breakdown for Non-Parent Bulls (Spring 2008 Analysis) to determine percentile ranks for the various traits.

The PS for these four Angus bulls based on the **“Percentile Ranks from the Spring 2008 Sire Evaluation Report – Non-Parent Bulls.”**

	BW	WW	YW	MM	Marb	REA	
A	62	2	2	70	70	23	229/6 = 38.2
B	4	2	9	1	25	5	46/6 = 7.7
C	7	30	30	10	35	9	121/6 = 20.2
D	75	20	27	65	81	41	309/6 = 51.5

Thus, the order of sale for the four bulls would be...

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|---------------------------------------|---------------------------------------|
| 1st - Sire B = 7.7 | 3rd - Sire A = 38.2 |
| 2nd - Sire C = 20.2 | 4th - Sire D = 51.5 |