

## Reproductive Performance When You Need to Know More

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American Angus Association  
Angus Genetics Inc.



**Smallest calf**

An 850-pound Angus cow, owned by Paul Utz of Madison, Va., licks the face of her calf. Weighing 15 pounds at birth, the calf is the world's smallest, according to officials at the Guinness Book of World Records. (AP Laser-photo)

### AMERICAN ANGUS ASSOCIATION® — THE BUSINESS BREED

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Main Optimal Milk | Angus Home

#### Angus Optimal Milk Module

##### COW WEIGHT AND MILK

Enter the estimated average cow weight and current milking ability of your cow herd.

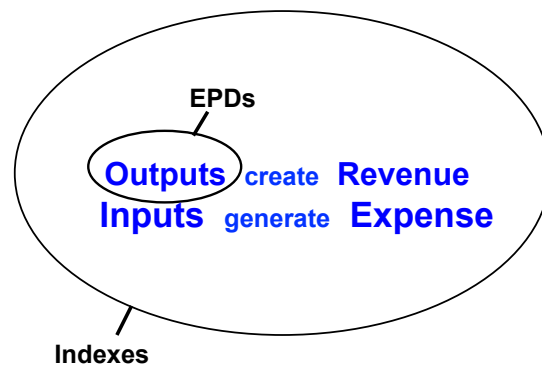
Average cow weight*	Milking ability
<input type="radio"/> 1100 lbs or less	<input type="radio"/> Low milking ability
<input type="radio"/> 1150 lbs	<input type="radio"/> Medium-low
<input type="radio"/> 1250 lbs	<input checked="" type="radio"/> Medium
<input checked="" type="radio"/> 1300 lbs <a href="#">Help- Cow Weight</a>	<input type="radio"/> Medium-high <a href="#">Help- Milking Level</a>
<input type="radio"/> 1350 lbs	<input type="radio"/> High milking ability
<input type="radio"/> 1450 lbs	
<input type="radio"/> 1500 lbs or more	

\*Average weight of all cows in your herd two years of age and older.

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## Weaned Calf Index (\$W) ...

### Economic Impact

- Birth
- Weaning Direct
- Maternal Milk
- Mature Cow Size



Base Calf Price \$130 per cwt  
Cow/Heifer Mix 80%/20%  
Cow weight 1,300 lb  
Feed energy cost \$.0825 per MCal NEM

### Reproduction



High Priority? Yes

Simple Genetics? No



### Heritability Estimates

Reproduction (low) < .20  
Growth (moderate) .20 - .40  
Carcass (high) > .40

### Selection Tool Heifer Pregnancy EPDs

Production									Maternal					
CED Acc	BW Acc	WW Acc	YW Acc	RADG Acc	YH Acc	SC Acc	Doc Acc	HP Acc	CEM Acc	Milk Acc	MtH Mkd	MW Acc	PH Acc	\$EN
+14.96	-1.499	+54.98	+99.97	+11.81	-1.97	+1.74	+22.94	+1.76	+12.91	+25.94	1472	+34.90	+3.90	+3.64

Carcass					
CW Acc	Marb Acc	RE Acc	Fat Acc	Carc Grp Carc Pg	Usnd Grp Usnd Pg
+23.75	+62.78	-.06	+0.13	48	6699
				105	20489

\$Values					
\$W	\$F	\$G	\$QG	\$YG	\$B
+41.49	+36.68	+26.15	+27.72	-1.57	+56.20

### Selection Tool Heifer Pregnancy EPDs

#### Heifer Pregnancy EPD (HP)

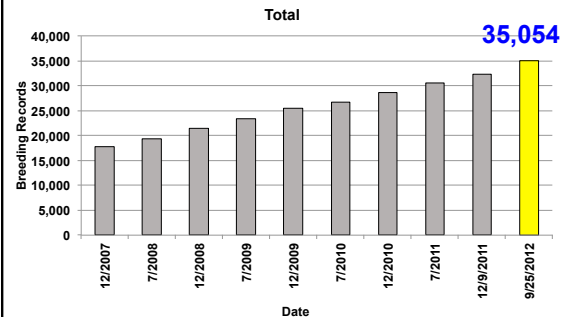
Bull A	+10.0 %
Bull B	+3.0 %
Difference	+7.0 %

- Higher EPDs are more favorable.
- Breed avg 7.9%

- Use as a tool to increase the chance of more pregnant daughters from Bull A versus Bull B.
- On the average, expect 7 out of 100 more pregnant daughters of Bull A compared with daughters of Bull B.



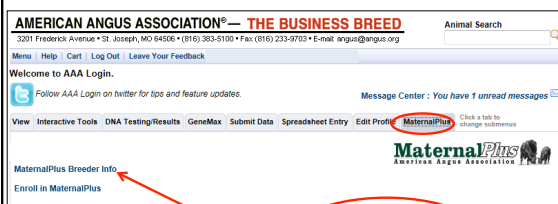
### Angus NCE Heifer Pregnancy Records



Providing additional selection tools that aid both seedstock producers and commercial cattlemen using Angus genetics to make reliable selection decisions requires data collection beyond classic reporting of weights and measures.

- Provides a voluntary, inventory-based reporting system.
- Captures reproductive trait data.
- Ultimately creates reproductive selection tools.

### MaternalPlus



## MaternalPlus

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View Interactive Tools DNA Testing/Results GeneMax Submit Data Spreadsheet Entry Edit Profile **MaternalPlus** Link a tool to your subbusiness

MaternalPlus Breeder Info

Enroll in MaternalPlus

Click Here to  
Begin the  
Enrollment  
Process

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View Interactive Tools DNA Testing/Results GeneMax Submit Data Spreadsheet Entry Edit Profile **MaternalPlus** Link a tool to your subbusiness

MaternalPlus Breeder Info

Cow/Heifer Inventory List

Cow Inventory Cleanup List

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Cow Inventory Cleanup List search results

Includes the following owners: 437156, 437157, 437158, 1114054

The following dams are in your MaternalPlus inventory. If you wish to change the criteria click here.

If you wish to cancel any of these dams because they are no longer in your herd, click on the checkbox next to the animal you wish to cancel, select a disposal type and enter a date. After you have all the dams selected on a page then click the SUBMIT CANCELLATIONS button to cancel the dams. Continue this process for other pages, making sure you click the SUBMIT CANCELLATIONS button on each page. Dams cancelled will take effect the next business day.

Disposal: No items

Sub: 36 - Cull - Age

28 - Cull - Eye Problem

39 - Cull - Feet (Hoof or Toe)

32 - Cull - Structure

38 - Cull - Fell out of calving season

33 - Cull - Fertility or Open

41 - Cull - Genetic Defect Status

40 - Cull - Illness or Disease

34 - Cull - Productivity/Progeny Performance

31 - Cull - Treat and Udder

35 - Cull - Temperament

42 - Cull - Weather

29 - Cull - Miscellaneous

30 - Sold as a commercial

37 - Died

Disposal Date:

Cancel	Assn	Reg No.	Tag	Tattoo/Brand	Birth Date	Name
<input type="checkbox"/>	AAA	13063720	7322	7322	09/20/1997	
<input type="checkbox"/>	AAA	13063734	7347	7347	09/25/1997	
<input type="checkbox"/>	AAA	13595023	9301	9301	09/03/1999	
<input type="checkbox"/>	AAA	13595045	9363	9363	10/05/1999	
<input type="checkbox"/>	AAA	13696048	0716	0716	03/23/2000	
<input type="checkbox"/>	AAA	13704009	0538	0538	02/14/2000	
<input type="checkbox"/>	AAA	13711492	0604	0604	02/23/2000	
<input type="checkbox"/>	AAA	13866334	0887	0887	10/01/2000	

Disposal: 42 - Cull - Weather

No items in cart

Submit Cancellations Search Again

544 records found (showing 100 of 544 records Page: 1)

Cancel	Assn	Reg No.	Tag	Tattoo/Brand	Birth Date	Name
<input type="checkbox"/>	AAA	13063720	7322	7322	09/20/1997	
<input type="checkbox"/>	AAA	13063734	7347	7347	09/25/1997	
<input type="checkbox"/>	AAA	13595023	9301	9301	09/03/1999	
<input type="checkbox"/>	AAA	13595045	9363	9363	10/05/1999	
<input type="checkbox"/>	AAA	13696048	0716	0716	03/23/2000	
<input type="checkbox"/>	AAA	13704009	0538	0538	02/14/2000	
<input type="checkbox"/>	AAA	13711492	0604	0604	02/23/2000	

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Authorized to submit for:  
1100261 -  
1225087 -

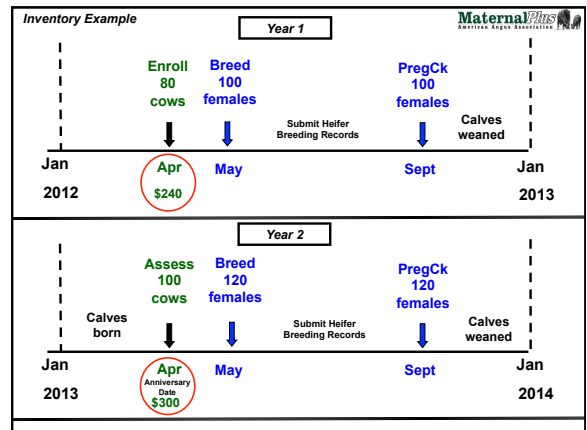
5 heifers at no charge.  
50 cows at 3.00 per head. Total: \$150.00.  
1 disposed animals at no charge.

Credit Card Information  
Type: Visa  
Credit Card Number  
Expiration Date  
Secure Checkout Clear

Our checkout process takes place in a secure and private environment. For more information, see our security page.

Back

5 heifers at no charge.  
50 cows at 3.00 per head. Total: \$150.00.  
1 disposed animals at no charge.



## Enrollment Update

➤ **5,402 cows**

➤ **1,466 heifers**



**47 customers  
have completed  
enrollment**



**As of 9/28/2012**

## MaternalPlus Highlights

- **Breeders can enroll at any time.**
- **Each breeder has an anniversary date based on their initial enrollment.**
- **Annual per cow \$3 inventory fee applies to females 20 months and older. The fee includes performance reporting for the cow's calf.**

## By the Numbers

by Sally Northcutt, director of genetic research, American Angus Association

## MaternalPlus: When you need to know more

Current research is under way at the Association to develop a longevity genetic prediction characterizing cows productive for the Angus breed. Reported in months, this new LFD on the horizon will provide selection tool to enhance genetic ability to cows to remain productive in your herd.

**Benefits of MaternalPlex**  
The primary goal of MaternalPlex is to capture reproductive data to enhance current and develop new selection tools. A vast array of EPDs and dollar value indexes (SVIs) are

**Providing additional selection tools that aid both seedstock producers and**

**Why MaternalPlus?**  
 Telling it down, here are the key benefits that make the program important to you:

- Characterizing your cow herd through HP EPDs.
- Access to preweaning EPDs as a selection tool.

[illegible][illegible]

## Highlights

**At weaning data-processing time, the calf EPDs are provided for these specific traits:**

- Calving Ease
- Birth Weight
- Weaning Weight



Reg. No.	Date of Birth	Sex	Tag Ear	Production										
				CEU	EW	WW	YW	RADG	YH	SC	Doc	HB	C	
BR 62137980	09/22/11	B	1417											
BR 621588036	10/30/11	B	1447	+5	+5	+5	+5							
BR 621588035	11/07/11	B	1464	21	33	25								
BR 621587831	11/05/11	B	1455	+4	+4	+4								
BR 621503244	04/17/11	B	1345											
BR 621503243	03/05/11	B	1438											
BR 621503226	10/05/11	B	1429	+9	+1	+1								
BR 621503224	09/11/11	C	1344	28	36	28								
BR 621503223	09/15/11	C	1385	+11	+3	+3								
BR 621503222	09/10/11	C	1338	30	37	28								
BR 621503219	09/14/11	B	1359	30	37	28								

**AAA Login**

Member Code:

Remember Me ☐ Login

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# ANGUS

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Animal Search

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**CALVING AND WEANING RECORDS**

Year	Calving	Weaning	Calving	Weaning	Calving	Weaning	Calving	Weaning
Year	Calving	Weaning	Calving	Weaning	Calving	Weaning	Calving	Weaning
128	19370325 AAA	9655	11/28/1999 y					
129	19838991 AAA	9656	11/28/1999 y					
130	19670204 AAA	9657	10/27/1999 y					
131	19148627 AAA	9658	06/19/1999 y					
132	19231141 AAA	9659	03/28/1999 y					
133	19331356 AAA	9660	03/28/1999 y					
134	19160760 AAA	9661	03/28/1999 y					
135	19431887 AAA	9662	03/28/1999 y					
136	14311808 AAA	9663	03/28/1999 y					
137	14311808 AAA	9664	03/28/1999 y					
138	19670204 AAA	9665	03/28/1999 y					
139	19660420 AAA	9666	03/28/1999 y					
140	19191352 AAA	9667	03/28/1999 y					
141	19660420 AAA	9668	03/28/1999 y					
142	19660420 AAA	9669	03/28/1999 y					
143	19660420 AAA	9670	03/28/1999 y					
144	19660420 AAA	9671	03/28/1999 y					
145	19660420 AAA	9672	03/28/1999 y					
146	19660420 AAA	9673	03/28/1999 y					
147	19660420 AAA	9674	03/28/1999 y					
148	19660420 AAA	9675	03/28/1999 y					
149	19660420 AAA	9676	03/28/1999 y					
150	19660420 AAA	9677	03/28/1999 y					
151	19660420 AAA	9678	03/28/1999 y					
152	19660420 AAA	9679	03/28/1999 y					
153	19660420 AAA	9680	03/28/1999 y					
154	19660420 AAA	9681	03/28/1999 y					
155	19660420 AAA	9682	03/28/1999 y					
156	19660420 AAA	9683	03/28/1999 y					
157	19660420 AAA	9684	03/28/1999 y					
158	19660420 AAA	9685	03/28/1999 y					
159	19660420 AAA	9686	03/28/1999 y					
160	19660420 AAA	9687	03/28/1999 y					
161	19660420 AAA	9688	03/28/1999 y					
162	19660420 AAA	9689	03/28/1999 y					
163	19660420 AAA	9690	03/28/1999 y					
164	19660420 AAA	9691	03/28/1999 y					
165	19660420 AAA	9692	03/28/1999 y					
166	19660420 AAA	9693	03/28/1999 y					
167	19660420 AAA	9694	03/28/1999 y					
168	19660420 AAA	9695	03/28/1999 y					

## Required Data

Require heifer breeding records,  
and for each inventoried female:

- Calf record  
(weight, preweaning reason code), or
- Disposal code for cow, or
- Reason code for why cow didn't produce



## Looking Ahead

### Reproduction Performance Measures <sup>1</sup>

	Your Herd
Pregnancy Percentage	88.1
Pregnancy Loss Percentage	0.0
Calving Percentage	88.1
Calf Death Loss Based on Exposed Females	1.7
Calf Death Loss Based on Number of Calves Born	1.9
Calf Crop or Weaning Percentage	86.4
Female Replacement Rate Percentage	22.0



### Calving Distribution

(Cumulative percentages)

Beginning Calving Date	01/10/2000 <sup>3</sup>	
Calves Born During 1st 21 Days	01/31/2000	25.0
Calves Born During 1st 42 Days	02/21/2000	76.9
Calves Born During 1st 63 Days	03/13/2000	100.0
Calves Born After 1st 63 Days		0.0

### Production Performance Measures

Average Age at Weaning (days)	212
Actual Weaning Weights (pounds)	
Bulls	
Steers	491
Heifers	454
Average Weaning Weight	473
Pounds Weaned per Exposed Female	409

