

Reproductive Strategies

American Angus Association

Commercial Producer Focus



- Lead the industry
- Provide data and decision tools
- Continue to capitalize on maternal advantage

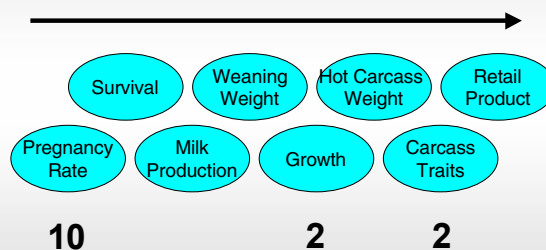
Commercial Producer Focus

Angus Traits of Interest

- Reproductive traits
- Udder Traits
- Docility
- Efficiency
- Adaptability

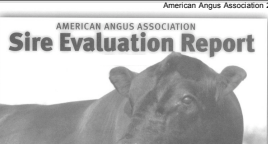


Finding the Balance



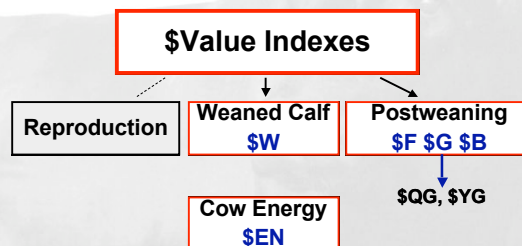
Melton, 1995

...Decision Making Tools...



Production						Maternal					
CED Acc	BW Acc	WW Acc	YW Acc	YH Acc	SC Acc	CEM Acc	Milk Acc	MkH MkD	MV Acc	MH Acc	SEN
+3	+5.7	+31	+58	+5	+1.96	+6	+27	1252	+25	+2	+4.68
.88	.97	.97	.96	.89	.88	.91	.96	3394	.89	.89	
Carcass						Ultrasound					
Cwt Acc	Mrb Acc	RE Acc	Fat Acc	Grp Prog	%IMF Acc	RE Acc	Fat Acc	Grp Prog			
+10	+14	+30	+008	19	-16	+57	-019	238			
.71	.73	.69	.67	197	.88	.88	.88	491			
\$Values											
\$W	\$F	\$G	\$QG	\$YG	\$B						
+15.95	+5.65	+14.85	+4.64	+10.22	+24.06						

AMERICAN ANGUS ASSOCIATION



Heritability Estimates

Reproduction	(low)	<
	.20	
Growth	(moderate)	.20 -
	.40	
Carcass	(high)	>
Heifer Pregnancy .13		

Heifer Pregnancy EPDs

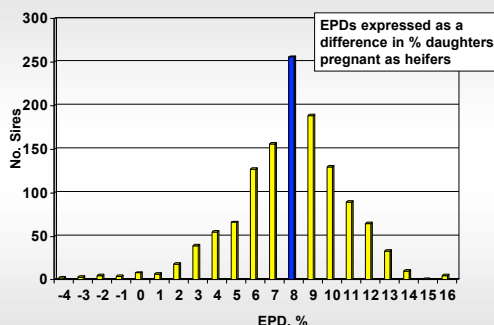
Heifer Pregnancy EPD (HP)

Bull A	+10%
Bull B	+3%
Difference	+7%

• Higher EPDs are more favorable.

- 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.

Distribution of Heifer Pregnancy EPDs, %



July 2007

Angus Heifer Pregnancy

Genetic Evaluation

Initial Release – July 2007

- Sire EPDs (ACC at least .30)
- **429 sires**
- Web-based listing and downloadable spreadsheet

AMERICAN ANGUS ASSOCIATION™— THE BUSINESS BREED

3201 Frederick Avenue • St. Joseph, MO 64506 • (816) 383-5100 • Fax (816) 233-9703 • E-mail: angus@angus.org

Sire Evaluation More Info Available Searches E-mail

Angus Sire Evaluation Report - Fall 2007

Disclaimer – Please read before continuing.
Introduction
How To Read The Results - Definitions

Instructions

Search the Angus Sire Evaluation Database

Fall 2007 Highlights

Research Heifer Pregnancy Genetic Evaluation
Background
Research report
Use of Heifer Pregnancy EPDs
View Sires

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Across Breed EPD Adjustment Factors

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Angus Sire Evaluation Report - Fall 2007

Heifer Pregnancy EPD

Excel Spreadsheet

Reg. No.	Name	Tattoo	Birth Date	EPD	ACC
13832783	A & B Yukon Jack 1179	1179	03/14/2001	+7	.47
9958634	A A R New Trend	131	04/05/1981	+12	.73
12448729	A A R Really Windy 1205	1205	02/26/1995	+10	.32
12862009	A&B Yukon 7150	7150	05/02/1997	+11	.41
13624612	ACF Neutron 9218	9218	09/26/1999	+0	.33
13814603	ACF New Design 0252	0252	09/05/2000	+4	.30
12176446	Alberda Traveler 416	416	01/25/1994	+11	.68
12758219	Ankonian Elvir 100	094N	10/15/1996	+13	.45
12452829	B A R Ed Traveler 205	5205	01/28/1995	+8	.63
12548884	B C C Bushwacker 41-93	41	09/24/1993	+8	.74
12396224	B T Ultravox 297E	297E	04/06/1995	+5	.44
13286246	BR Destination 727-928	928	01/22/1999	+16	.39
13043719	BR Grand Design 849	849	01/29/1998	+5	.33
11418151	BR New Design 036	036	02/02/1990	+9	.83
11928774	BR New Design 323	323	01/22/1993	-2	.64
13286230	BR New Design 323-9150	9150	02/13/1999	+6	.34
12784319	BR New Dimension 7127	7127	02/09/1997	+11	.46
13588640	BR New Frontier 095	095	01/31/2000	+10	.50
13734427	Bar S NEUTRON 0227	0227	02/11/2000	+10	.31
11951654	Basin Max 602C	602C	02/06/1993	+7	.64
11424642	Basin Rainmaker 814Z	814Z	03/16/1990	+7	.31
12189846	Bleefand New Trend K42	K42	02/04/1994	+7	.33

Heifer Pregnancy EPDs: Percentile Breakdown		
	Top Pct	HP, %
	1%	+14
	5%	+12
	10%	+11
	25%	+10
	50%	+8
	75%	+6
	90%	+4
	95%	+3

(Current Sires, Fall 2007)

The Performance Life of an Angus Cow




- Breeding records
- Cow disposal information
- Pregnancy check results
- Calving data

Breeding Records

Breeding Season for a cow/heifer

AI

AI

Pasture

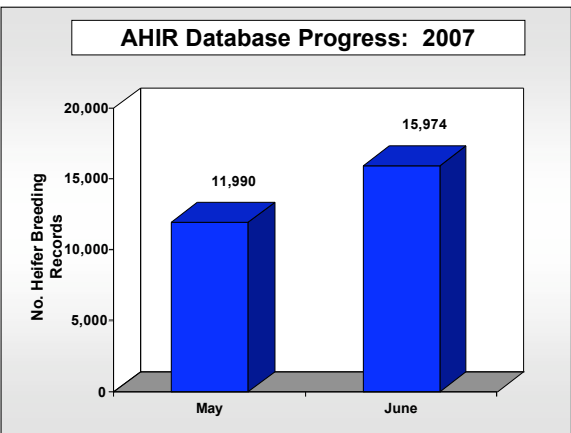
Pasture

Begin Date

End Date

Events in a cow's reproductive life

- Breeding dates
- Preg check/days preg (heifer data encouraged)
- Opens recorded
- Disposal code and date



AAA Login: Entry Performance Breeding Data

Season cow was bred: 2 - Fall Hand Year: Group Code:

Heifer Herd ID: Heifer Assn Num: Heifer Assn: AAA Birth Date:

Reason/Disposal Code: 0 - Not Reported Disposal Date:

Management

28 - Cull'd - Eye Problem

29 - Cull'd - Miscellaneous

30 - Sold - Certificate Not Transferred

31 - Cull'd - Teat and Udder

32 - Cull'd - Feet and Legs

33 - Cull'd - Fertility

34 - Cull'd - Productivity/Progeny Performance

35 - Cull'd - Temperament

36 - Cull'd - Age

37 - Died

38 - Open, Cow Missed Calving Opportunity

39 - ET Program/Donor Dam

40 - Cow Moved to Next Calving Season

41 - ET Program/Recipient Cow

42 - Aborted/Placental

AI Breeding

Sire Assn Num

1 -

2 -

3 -

4 -

Spec:

synchronized

synchronized

synchronized

synchronized

Pasture Breeding

Sire Assn Num

Sire Assn

Sire Herd ID

Date In

Date Out

Observed Date

Sire Group

Sync

5 - AAA

6 - AAA

7 - AAA

Save

Undo Changes

Offline Entry: Breeding Records

	A	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	BREEDING RECORDS										DATE: 09/04/2006			
2	Total Cows: 15													
3	CUSTOMER CODE	COW HERD ID	COW ASSN NUMBER	COW ASSN DATE	DEPOSAL CODE	DEPOSAL DATE	PASTURE CODE	FLUSH	AI SRE ASSN NUMBER 1	AI SRE ASSN 1	AI SRE HERD ID 1	AI DATE 1	AI SYNC 1	
4	5615492	13819385	AAAA	01/09/2001										
5	5615495	14884345	AAAA	01/09/2004										
6	5615497	14884344	AAAA	01/04/2004										
7	5615498	14819292	AAAA	04/11/2004										
8	5615499	14307141	AAAA	01/04/2002										
9	56154922	14819290	AAAA	02/02/2004										
10	56154906	17002709	AAAA	03/02/1993										
11	56154963	13516934	AAAA	09/07/1999										
12	5615491169	14376081	AAAA	01/13/2003										
13	5615491362	14304708	AAAA	06/21/2001										
14	5615491504	13901893	AAAA	09/02/2001										
15	5615493081	14462199	AAAA	09/15/2003										
16	5615495225	14462566	AAAA	06/08/2003										
17	561549403P	14853078	AAAA	03/26/2004										

AIMS: Breeding Data

25 Add Breeding Record For 380 / 380

Sire Tattoo: T1407

Season: 3

Season Name: Fall06

Type: AI

Confirmed: No

AI/Pasture In Date: 09/05/06

Observed Date: 00/00/00

Pasture Out Date: 00/00/00

Technician: Roy Johnston

Embryo Removal Date: 00/00/00

Comment:

Select Sire Pen: SIRE5

Prey Animal

Neg Animal

New Breeding Record

Sire Pen

Tattoo	Tag	Name
1083		ONTARGET BOYD ON TARGET 1083
1223		EXAR EXCEED 1223
1407		Bon View New Design 1407
		IN FOCUS IN FOCUS MYTTY IN FOCUS
L503		L503 GAR H141 PRECISION L50
S84		S84 GAR T510 TRAVELER S84
T510		T510 S S Traveler 6807 T510

Save

Close

Cancel

