



# AMERICAN ANGUS ASSOCIATION

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The Business Breed

This recordbook is designed to help you compile records of your Angus activities in one handy, easy-to-use format. It will provide a place for recording information needed when applying for the National Junior Recognition Program's Bronze, Silver and Gold Awards, and the American Angus Auxiliary, Angus Foundation and CAB/NJAA scholarships, etc. In addition there is space for personal observation and notes.

It is suggested that you use additional pages in the recordbook to compile a scrapbook of pictures. Use candid as well as posed shots. Include newspaper clippings, sale catalogs, carcass contest and test station reports, magazine and newspaper advertisements, etc. These will illustrate your own development as an NJAA member and the development of your Angus projects.

This recordbook can be useful as an educational aid as you keep track of your livestock enterprises. Equally important, however, is the enjoyment you will get years from now when you reflect back on the fond memories of your NJAA career. You are in no way required to complete all pages in this recordbook; nor are you limited to the guidelines contained within. Remember that the more you put into it, the more you'll get back!

We hope this recordbook provides much usefulness and enjoyment to you.



















**PERFORMANACE ORIENTED ACTIVITIES**

**PATHFINDER COWS PRODUCED**

REGISTRATION #	COW'S NAME	YEAR(s) AWARDED

**PERFORMANCE TESTING BULLS**

REGISTRATION #	BIRTHDATE	WNG WT	YRLG WT	ADG on TEST	YEAR & LOCATION OF TEST

**CARCASS DATA ANALYSIS**

REG # CALF OR SIRE# & DAM#	SLAUGHTER DATE & LOCATION	CARCASS WT	REA	FT	%KPH	YG	QG

**PERFORMANCE PEDIGREES OF HERD SIRE  
EXPECTED PROGENY DIFF (ACC)**

REG# & NAME	BIRTH	WEAN	MILK	YRLG	DATE REC'D

**TWELVE MONTH FINANCIAL SUMMARY**

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ **TO** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

<b>INCOME</b>	<b>\$\$</b>	<b>EXPENSES</b>	<b>\$\$</b>
LIVESTOCK SALES		LIVESTOCK PURCHASES	
Cows		Cows	
Heifers		Heifers	
Bulls		Bulls	
Steers		Steers	
Semen		Semen	
Embryos		Embryos	
Sale of Beef		Reg./Transfer Fees	
Sale of Other Goods		Feed Concentrates	
Wages		Pasture, Hay, Silage	
Show Premiums		Bedding	
Money Borrowed		Sale/Show/Test STA Fees	
Interest on Accounts		Transportation	
Other Income		Equipment	
Total Income		Veterinary & Medical	
		Advertising	
		Insurance	
		Loan Repayments	
		Other Expenses	
		Total Expenses	

OTHER INCOME INCLUDES: \_\_\_\_\_

\_\_\_\_\_

OTHER EXPENSES INCLUDE: \_\_\_\_\_

\_\_\_\_\_

**TWELVE MONTH FINANCIAL SUMMARY**

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ TO \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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Other Income		Equipment	
Total Income		Veterinary & Medical	
		Advertising	
		Insurance	
		Loan Repayments	
		Other Expenses	
		Total Expenses	

OTHER INCOME INCLUDES: \_\_\_\_\_

\_\_\_\_\_

OTHER EXPENSES INCLUDE: \_\_\_\_\_

\_\_\_\_\_

## ANNUAL INVENTORY REPORT

\_\_\_\_/\_\_\_\_/\_\_\_\_

BEGINNING YEAR                      YEAR END

ITEM	QTY	TOTAL VALUE	QTY	TOTAL VALUE	NET CHANGE
<b>LIVESTOCK</b>					
Bulls					
Cows					
Weaned Calves					
Calves on Cows					
Steers					
Semen					
Embryos					
Feed Concentrates					
Hay					
Silage					
Pasture					
Bedding					
Facilities					
Equip. & Supplies					
Cash & Accounts					

\*\*Items may be described or listed individually on an added sheet.

## ANNUAL INVENTORY REPORT

\_\_\_\_/\_\_\_\_/\_\_\_\_

BEGINNING YEAR                      YEAR END

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Bulls					
Cows					
Weaned Calves					
Calves on Cows					
Steers					
Semen					
Embryos					
Feed Concentrates					
Hay					
Silage					
Pasture					
Bedding					
Facilities					
Equip. & Supplies					
Cash & Accounts					

\*\*Items may be described or listed individually on an added sheet.

Suggestions:

To create a recordbook that will hold even more meaning in years to come, add pages that contains notes about the programs and people who are special to you. Below are examples to help you begin, but be creative. You need not limit yourself.

### **LEADERS AND NEWSMAKERS IN \_\_\_\_\_(YEAR)**

(List the current officers, directors, advisors, queens, special award winners, etc. for the following organizations.)

1. State Junior Angus Association
2. National Junior Angus Association
3. American Angus Association
4. American Angus Auxillary
5. Your local 4-H Club of FFA Chapter

### **REFLECTIONS**

In your own words record what you feel are some of the recent highlights in your life and in the groups to which you belong. You may even want to note extraordinary events that occurred in your area, your state, the U.S. and worldwide. You can make these entries on an ongoing basis--whenever the mood strikes you or at regularly scheduled intervals. At the end of the year, sum up what you believe were some of your personal successes over the past twelve months and set a few goals for the coming year.

National Cattle Evaluation (NCE) for the American Angus Association is performed twice per year; once in January and again in July. Through NCE, Expected Progeny Difference (EPD) are calculated for animals with individual performance measures, such as weights, ultrasound and other traits, recorded in the American Angus Association's Angus Herd Improvement Records (AHIR) program.

1. **What is AHIR and how can I enroll?**

Angus Herd Improvement Records is a program initiated in the mid 1950's and adopted by the Association in 1958. The program processes performance records on Angus cattle submitted by members of the American Angus Association. Any member can enroll in the program by requesting the necessary enrollment form from the Association office.

2. **Is there a charge for the program?**

Yes. The fee is \$3 per weaning weight. Birth weights and yearling weights are processed at no charge.

3. **What can I expect from this program?**

A complete herd listing is provided on which birth weights, weaning weights, management codes and related information can be recorded. As an example, these weights are then adjusted for the age of the dam and the age of the calf at 205 days for the breeder to use in comparing animals. The weights are accompanied by weight ratios, "Interim" EPD and accuracy values.

4. **What is "Interim" EPD?**

All cattle enrolled in AHIR are processed through National Cattle Evaluation twice per year; however, cattle processed between these evaluations do not have NCE generated EPD's. Therefore your association calculates in between (interim) values based upon available performance and pedigree information. Calculations vary by trait.

5. To get the most current and accurate information available on the performance programs offered by the American Angus Association go to [www.angus.org](http://www.angus.org) and click on the Performance/AHIR link.

6. To follow is a basic explanation of traits and information calculated through the performance programs offered by the American Angus Association.



**American Angus Association**  
**How to Read the Report**

Each bull listed in this report is comparable to every other bull in the database. The analysis takes into account only the differences expressed in each herd in which the bulls were used. For example, bull A has a weaning EPD of +30 lb. and bull B has a weaning EPD of +20 lb. If you randomly mate these bulls in your herd, you could expect bull A's calves to weigh, on average, 10 lb. more at weaning than bull B's progeny (30 - 20 = 10).

<u>Animal Name</u> (individual detail link)	<b>Production EPD</b>								
DOB: 07/04/80	BW	WN	Milk	Herds	YW	YH	MW	MH	SC
Reg No. 123456789	Acc	Acc	Acc	Daus	Acc	Acc	Acc	Acc	Acc
Tattoo 80									
Sire: Sire's Name	+6.0	+34	+13	2681	+50	+1.4	+69	+2.0	+14
Sire Reg: 987654321	.99	.99	.99	11634	.99	.99	.98	.99	.99

<b>Carcass EPD</b>						<b>Ultrasound Body Composition EPD</b>					
CW	Marb	RE	Fat	%RP	Grp	%IMF	RE	Fat	%RP	Grp	
Acc	Acc	Acc	Acc	Acc	Pg	Acc	Acc	Acc	Acc	Pg	
-4	+.06	+.07	-.043	+.60	17	+.09	-.06	-.007	+.10	5	
.89	.90	.89	.88	.88	51	.30	.30	.31	.30	10	
<b>\$Values</b>											
Feedlot Value (\$F)					Grid Value (\$G)			Beef Value (\$B)			
+6.92					+15.75			+25.83			

**GROWTH & MATERNAL EVALUATION**

**Expected progeny difference (EPD)** is the estimate of how future progeny of each sire are expected to perform relative to the progeny of other sires listed in the database. EPDs are expressed in units of measure for the trait, plus or minus. Interim EPDs may appear in cases wherein there is insufficient information to allow the calculation of an EPD through National Cattle Evaluation (NCE) procedures. This EPD will be preceded by an "I" and is calculated from pedigree information by the AHIR Department of the Association.

**Accuracy (AC)** is the reliability that can be placed on the EPD. An accuracy of close to 1.0 indicates higher reliability. Accuracy is determined by the number of progeny and ancestral records included in the analysis.

**Birth Weight EPD (BW)**, expressed in pounds, is a predictor of a sire's ability to transmit birth weight to his progeny compared to that of other sires.

**Weaning weight direct EPD (WW)**, expressed in pounds, is a predictor of a sire's ability to transmit weaning growth to his progeny compared to that of other sires.

**Weaning weight maternal EPD (Milk)** is a predictor of a sire's genetic merit for milk and mothering ability as expressed in his daughters compared to daughters of other sires. In other words, it is that part of weaning weight attributed to milk and mothering ability.

**Daus** reflects the number of daughters that have progeny weaning weight records included in the analysis.

**Herds** indicate the number of herds from which daughters are reported.

**Yearling weight EPD (YW)**, expressed in pounds, is a predictor of a sire's ability to transmit yearling growth to his progeny compared to that of other sires.

**Yearling height EPD (YH)** is a predictor of a sire's ability to transmit yearling height, expressed in inches, compared to that of other sires.

**Mature daughter weight EPD (MW)**, expressed in pounds, is a predictor of the difference in mature size of daughters of a sire compared to the daughters of other sires.

**Mature daughter height EPD (MH)**, expressed in inches, is a predictor of the difference in mature daughter height of daughters of a sire compared to the daughters of other sires.

**Scrotal circumference EPD (SC)**, expressed in centimeters, is a predictor of the difference in transmitting ability for scrotal size compared to that of other sires.

## CARCASS EVALUATION

**Carcass weight EPD (CW)**, expressed in pounds is a predictor of the differences in hot carcass weight of a sire's progeny at a given end point compared to progeny of other sires.

**Marbling EPD (Marb)**, expressed as a fraction of the difference in a subjective USDA marbling score of a sire's progeny at a given end point compared to the progeny of other sires.

**Ribeye area EPD (RE)**, expressed in square inches, is a predictor of the difference in ribeye area of a sire's progeny at a given end point compared to the progeny of other sires.

**Fat thickness EPD (Fat)**, expressed in inches, is a predictor of the differences in external fat thickness at the 12th rib (as measured between the 12th and 13th ribs) of a sire's progeny at a given end point compared to the progeny of other sires.

**Percent retail product EPD (%RP)**, is a predictor of the difference in pounds of salable retail product of a given sire's progeny compared to the progeny of other sires.

**Group/progeny (Grp/Pg)** reflects the number of contemporary groups and the number of carcasses for each sire included in the analysis.

## ULTRASOUND BODY COMPOSITION EVALUATION

**Intramuscular fat EPD (%IMF)**, is a predictor of the difference in a sire's progeny for percent intramuscular fat in the ribeye muscle compared to other sires.

**Ribeye area EPD (RE)**, is a predictor of the difference in square inches of ribeye area of a sire's progeny compared to the progeny of other sires.

**Fat thickness EPD (FAT)**, expressed in inches, is a predictor of the difference in external fat thickness at the 12th rib of a sire's progeny compared to the progeny of other sires. It includes the weighted average of 60% of the rib fat measurement and 40% of the rump fat measurement.

**Percent retail product EPD (%RP)** is a predictor of the difference in pounds of salable retail product of a sire's progeny compared to the progeny of other sires.

**Group/progeny (GP/PG)** is the number of contemporary groups and number of progeny considered in this analysis.

## \$VALUE INDEXES

\$Value indexes are multi-trait selection indexes, expressed in dollars per head, to assist beef producers by adding simplicity to genetic selection decisions. The \$Value is an estimate of how future progeny of each sire are expected to perform, on average, compared to progeny of other sires in the database if the sires were randomly mated to cows and if calves were exposed to the same environment.

**Feedlot Value (\$F)**, an index value expressed in dollars per head, is the expected average difference in future progeny performance for postweaning merit compared to progeny of other sires.

**Grid Value (\$G)**, an index value expressed in dollars per head, is the expected average difference in future progeny performance for carcass grid merit compared to progeny of other sires.

**Beef Value (\$B)**, an index value expressed in dollars per head, is the expected average difference in future progeny performance for postweaning and carcass value compared to progeny of other sires.