

Red Angus Association Realtime Ultrasound Summary

**INSTRUCTION KEY**

**1** Joe Member Ranches  
Joe Member  
123 N. I-35  
Denton, TX 76201

**2** 11111

**3** Date printed: 01/23/01 Page 9  
Number of records: 160 **4**  
Workgroup: 207 **5**

EPDs represent carcass traits (MARB, REA, FAT)

RAAA ANIMAL IDENTIFICATION					EPDs represent carcass traits (MARB, REA, FAT)																
Herd Prefix	SEX	6 Birthdate/Age		Sire Registration	Dam Registration	7 Mgt. Code	9 Rump			10 %IMF			11 Ribeye Area			12 Rib Fat			13 Weight		
		Registration		Tattoo	Tattoo		9a Actual	9b Adj.	9c Ratio	10a Actual	10b Adj.	10c Ratio	10d EPD	10e ACC	11a Actual	11b Adj.	11c Ratio	11d EPD		11e ACC	12a Actual
XX 0333	B	01/04/2000	0375			492416	123456	DRB2	0.27	0.26	0.26	0.24	0.01	12.2	12.0	100	3.86	3.79	105	1240	
XX 0334	B	01/13/2000	0366	580685	123456	DRB2	0.30	0.31	0.31	123	109	13.1	13.1	91	3.27	3.26	91	1210			
XX 0444	B	12/12/1999	0398	603175	123456	DRB2	0.25	0.31	0.31			13.2			4.23			1115			

- Owner of animals on summary report.
- RAAA member number.
- Date summary sheet was issued by RAAA.
- Total number of animals on summary report.
- Used by national office.
- Birthdate and age of animal at time of scanning.
- Information previously designated by owner of animal.
  - Group code/ management code as designated by owner
  - Test type
 

C = Central Test	D = Developing Heifer
F = Feedlot	R = Ranch Test
  - Sex of animal (bull, heifer, or steer)
  - Diet code
 

0 = Unknown	2 = <= 50% concentrate
1 = 0% concentrate	3 = > 50% concentrate

 Example: DRB2
- Number used to identify animals in the same contemporary group.
- Rump - measures the depth of fat at the juncture of the gluteus medius and superficial gluteus medius muscles.
  - actual measurement taken by technician, measured in inches (in.).
  - rump adjusted to 365 days and gain per day  
*Formula:* actual rump + (.000472) (365 - age in days) / weight per day of age (WDA).
  - ratio of animal compared to other animals in the same contemporary group.  
*Formula:* adjusted rump / average adjusted rump for contemporary group x 100.
- Intramuscular Fat (IMF) - % fat in the ribeye area muscle.
  - actual measurement taken by technician, measured as a percent (%) - see chart on right.
  - intramuscular fat adjusted to 365 days and gain per day  
*Formula:* actual intramuscular fat + (.002) (365 - age

- in days)/weight per day of age (WDA).
- ratio of animal compared to other animals in the same contemporary group  
*Formula:* adjusted intramuscular fat / average intramuscular fat for contemporary group x 100.
- Marbling EPD
- Marbling EPD Accuracy
- Ribeye Area (REA) - area of the longissimus muscle at the 12th rib interface on the beef forequarter.
  - actual measurement taken by technician, measured in inches squared (in.<sup>2</sup>).
  - ribeye area adjusted to 365 days and gain per day  
*Formula:* actual ribeye area + (.004955) (365 - age in days) / weight per day of age(WDA).
  - ratio of animal compared to other animals in the same contemporary group.  
*Formula:* adjusted ribeye area / average adjusted ribeye area for contemporary group x 100.
  - Ribeye Area EPD
  - Ribeye Area Accuracy
- Rib Fat (fat thickness) - depth of fat in inches over the ribeye muscle from the split chine bone.
  - actual measurement taken by technician, measured in inches (in.).
  - rib fat adjusted to 365 days and gain per day  
*Formula:* actual rib fat + (.000472) (365 - age in days) / weight per day of age (WDA).
  - ratio of animal compared to other animals in the same contemporary group.  
*Formula:* adjusted rib fat / average adjusted rib fat for contemporary group x 100.
  - Back Fat EPD
  - Back Fat Accuracy
- Actual weight taken on day of scan.

IMF%	Amount	Quality Grade
10.13	Slightly Abundant	Prime
7.25	Moderate	Choice*
6.72	Modest	Choice <sup>o</sup>
5.04	Small	Choice
3.83	Slight	Select
2.76	Traces	Standard

Taken from BIF Guidelines for Uniform Beef Improvement Programs, 1986

- Additional Information**
- If there are no measurements listed for rump, rib fat, ribeye area, or %IMF then the images taken by the technician were rejected by a US processing lab.
  - If there are no ratios for an animal, that animal was in a contemporary group by itself.
  - An animal that receives a -1 as their contemporary group number, ratioed by itself.  
*Example:* an embryo transfer calf, a twin, or an animal that falls outside the age range.
  - If the registration number field for the sire or dam is blank, indicates a non-registered parent or a parent registered in another breed association.
  - Contemporary groups are formed from the latest information recorded ( weaning or yearling), and:
    - Three day scan - animals that are scanned more than three days apart will be grouped separately.
    - Appropriate age - bulls younger than 320 days and older than 440 days and heifers younger than 320 days and older than 460 days will be considered irregular and placed in their own contemporary group.
    - Group code - if animals are indicated as managed / fed differently, they will be contemporaried separately.