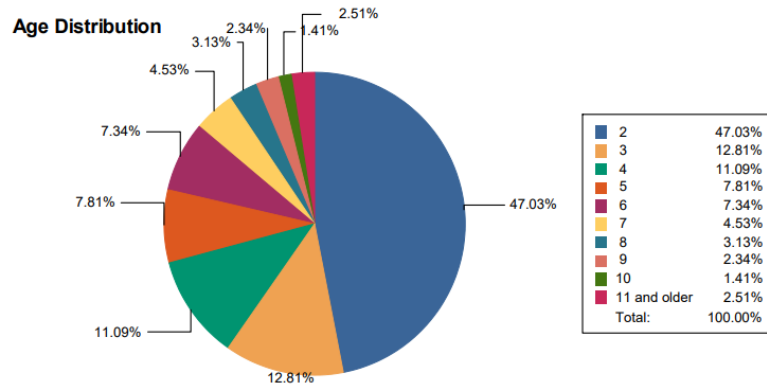
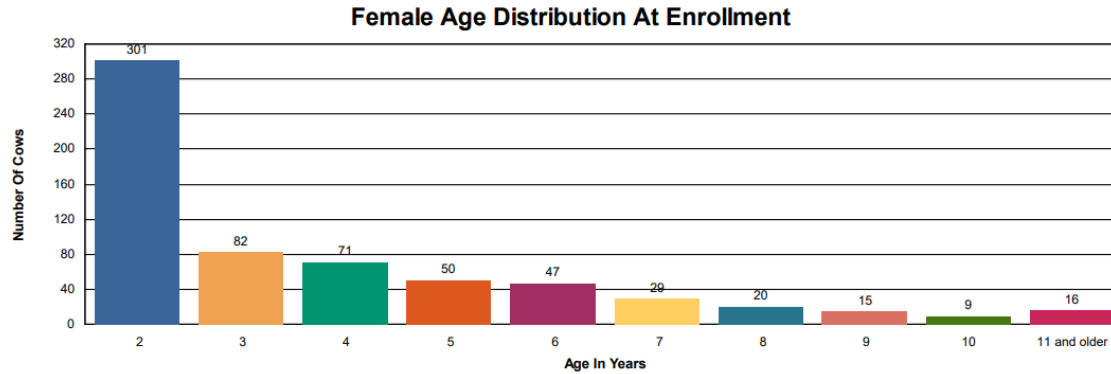


Female Age Distribution Report

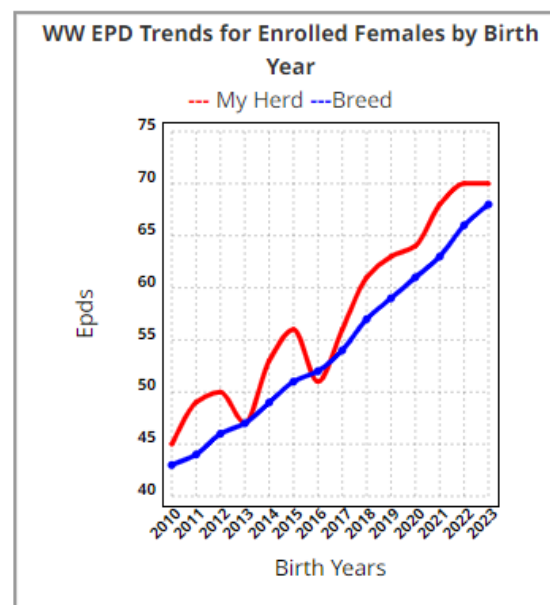
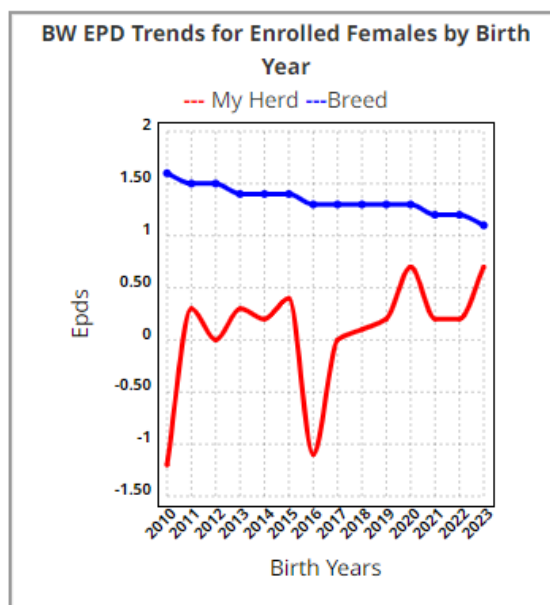
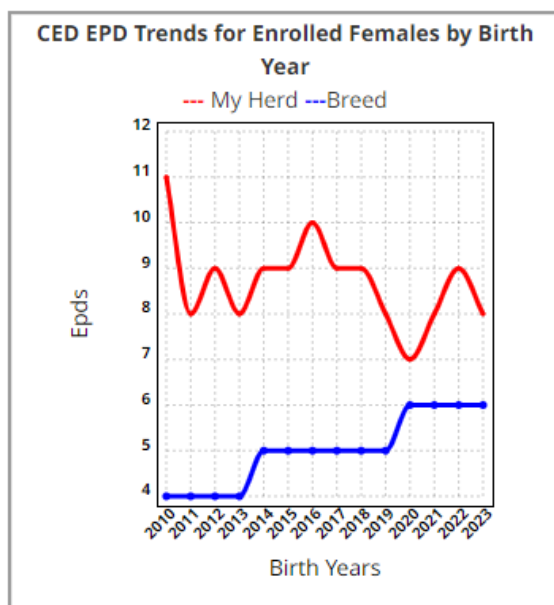
Cow Inventory features a Female Age Distribution Report available to participants that have completed program enrollment. For enrolled females, this report provides age categories in bar graph and pie chart formats for a quick and easy reference to your cow herd age distribution. Herd demographics can be used to plan future production and marketing strategies. The distribution of young females can be reviewed to assess heifer replacement rate.



Genetic Trends for Enrolled Females

Cow Inventory participants have access to real-time genetic trend lines by trait for enrolled females. A genetic trend line tracks the average EPD by cow birth year and plots these averages across the available years associated with the enrolled females. These trends are available when Cow Inventory enrollment is completed. The graphs feature the American Angus Association breed genetic trend line as an additional reference point with each trait.

Traits can be selected individually or in suites (production, maternal, and carcass) for the formation of genetic trend lines. EPD trends can provide an indication of trait emphasis over time, along with drawing attention to breeding program strengths or focus areas.



Production Performance Report

MaternalPlus® breeders who complete re-enrollment can view a summary Production Report for a customized production unit. While the default report encompasses all cows and their calving distribution for the period between beginning and ending calving dates, this report features the ability to customize the calving window. For herds with spring and fall calving seasons, consider modifying the beginning and ending calving dates to better capture the calving summary for production groups. In addition, participants completing multiple enrollment years can specify the enrollment year of interest.



Calving Distribution

First Due Date	01/30/23		
Beginning Calving Date	01/23/23		
Calves Born During 21 Day Periods		Percent	
		For Period	Cumulative
Early		2.5 %	2.5 %
1st 21	02/20/23	48.3 %	50.8 %
2nd 21	03/13/23	28.2 %	79.0 %
3rd 21	04/03/23	14.3 %	93.3 %
4th 21	04/24/23	5.9 %	99.2 %
Late		0.8 %	100.0 %
Ending Calving Date	04/30/23		

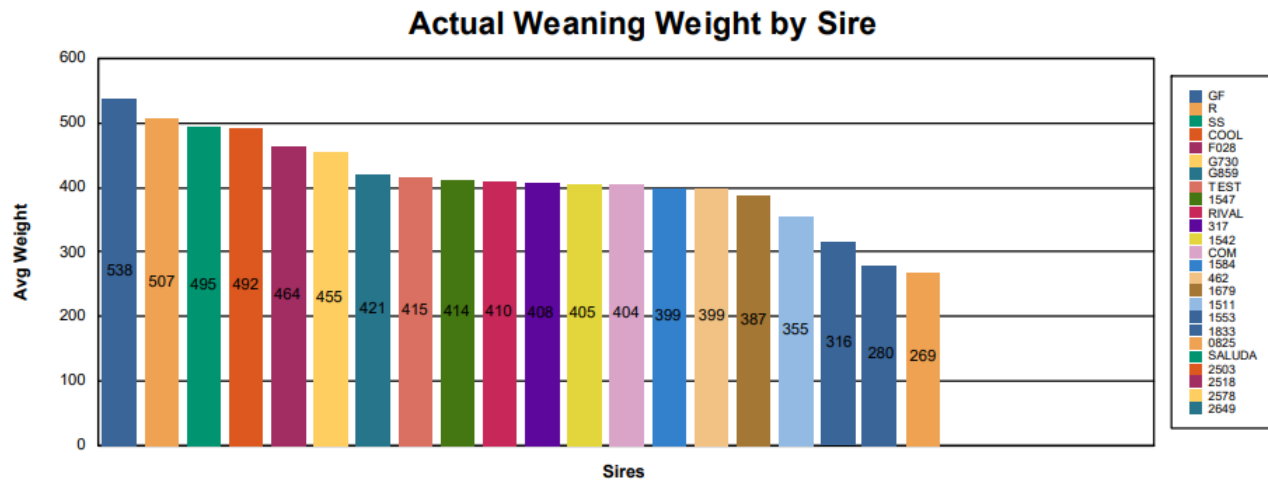
Age of Dam Summary		Calving Distribution by 21-Day Period							Average Production Records					
Age	Calves	Early	1st 21	2nd 21	3rd 21	4th 21	Late	Avg Calving Date	Num Birth Wts	Avg Birth Wt	Num Wn Wts	Avg Age	Avg Wn Wt	Avg Adj Wn Wt
2	65	6	37	15	6	1		02/12/23	63	66	63	182	475	581
3	43		22	9	8	3	1	02/28/23	42	74	40	166	431	537
4	35		15	11	6	2	1	03/01/23	34	76	34	188	516	564
5	25		11	7	5	2		03/02/23	25	74	24	187	501	535
6	26		13	7	3	3		02/28/23	26	78	24	192	532	558
7	14		7	4	3			02/25/23	14	78	14	192	551	577
8	14		1	10	3			03/06/23	14	76	14	183	482	521
9	4		3	1				02/14/23	4	69	4	203	531	533
10	5		3	1		1		02/26/23	5	72	5	191	503	550
11+	7		3	2		2		03/05/23	6	77	5	180	498	567
Total:	238	6	115	67	34	14	2		233		227			

Production Performance Measures

Average Age at Weaning (days)	183
Actual Weaning Weights (pounds)	
Bulls	497
Steers	
Heifers	484
Average Weaning Weight	491

Weaning Sire Summary Report

The sire summary report provides an overview for MaternalPlus® herds of the sire battery's impact on a calf crop, based on actual calf weaning weights. Each sire is given a section describing the phenotypic impact on the set of calves in an enrollment year, or in a customized calving window provided by the participant.



Sire:	Bulls	Steers	Heifers	AVG	MAX	MIN	BWT	Calf Age	Act. WWT	Adj. WWT	Ratio	Death Loss
	13	0	19	74	89	53	195	214	538	563	103	1

Sire	Bulls	Steers	Heifers	AVG	MAX	MIN	BWT	Calf Age	Act. WWT	Adj. WWT	Ratio	Death Loss
	11	0	11	77	92	62	193	212	507	547	100	0

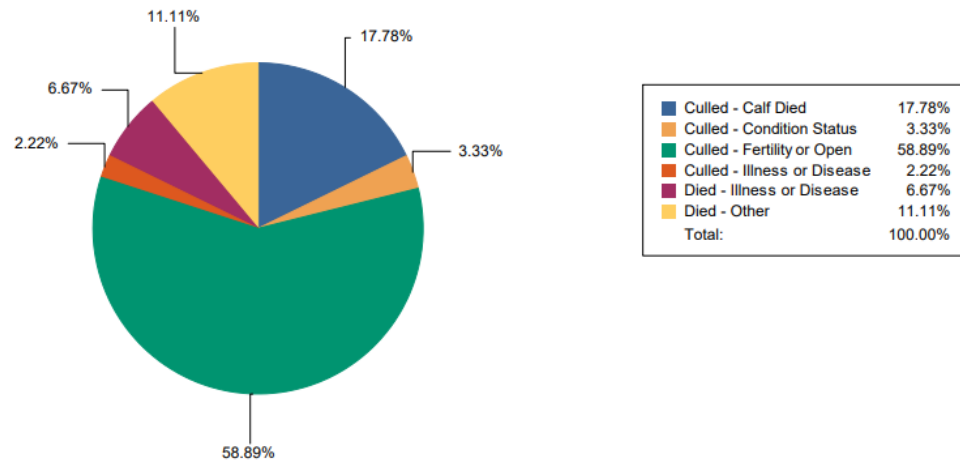
Sire:	Bulls	Steers	Heifers	AVG	MAX	MIN	BWT	Calf Age	Act. WWT	Adj. WWT	Ratio	Death Loss
	16	0	15	65	85	51	193	207	495	579	102	1

Dam Disposal

Tracking of dam disposal codes for an enrolled herd is a key element in the Inventory Reporting program. More importantly, these documented reasons for why a cow exits herd productivity can provide insight into management strategies and potential genetic indicators in the future for MaternalPlus® herds. The disposal report presents the distribution of disposal reasons across the enrolled females, as well as by cow age. In particular, the breakdown by two-year-old females may serve as an indicator of success areas or production problems to address.

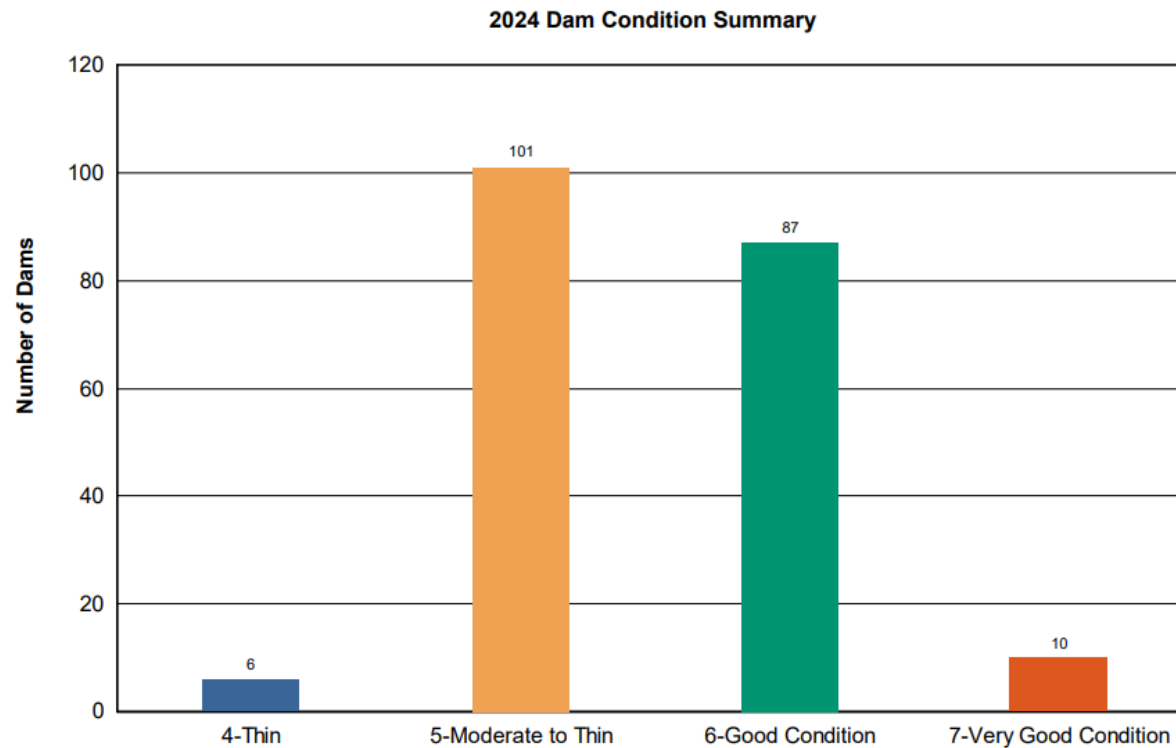


Dam Disposal Code	Age of Dam										Total
	2	3	4	5	6	7	8	9	10	11+	
Culled - Calf Died	3	3	3	0	2	1	3	0	1	0	17.78%
Culled - Condition Status	0	0	1	1	0	0	0	0	1	0	3.33%
Culled - Fertility or Open	28	4	3	2	5	2	3	3	2	1	58.89%
Culled - Illness or Disease	0	0	1	0	0	1	0	0	0	0	2.22%
Died - Illness or Disease	0	1	1	0	0	3	0	0	0	1	6.67%
Died - Other	0	2	0	1	2	0	1	2	1	1	11.11%
Totals	31	10	9	4	9	7	7	5	5	3	



Cow Condition Summary

MaternalPlus® herd reports include a body condition score distribution for enrolled females. Reported on a 1 to 9 scale, these body condition score averages and frequency counts are associated with cow herd productivity. Cows with desirable body condition scores at calving and breeding, on average, tend to outperform their thinner contemporaries. Condition scores around 'score 6' are typically targeted to assist in better managing reproductive efficiency in the herd. Scores closer to 1 tend to be extremely thin with potential for rebreeding challenges from lack of body condition reserves. In contrast, higher numerical condition scores above 'score 7' may not be economical to feed and maintain.



Average of All 204 Females is: 5.40

Calf Death Loss Summary

MaternalPlus® herds can review calf death loss trends for their herd based on the enrollment year or specified calving timeframe. Profit to the cow-calf operation is impacted by live calves during the preweaning phase. The summary stratifies calf death loss categories overall and by dam age.



Calf Death Loss	Age of Dam										Total
	2	3	4	5	6	7	8	9	10	11+	
Live, Died before Weaning - Disease	1	0	0	1	0	0	0	0	0	0	2
Live, Died before Weaning - Other	2	1	0	0	3	0	0	0	1	0	7
Live, Died before Weaning - Weather Evt	0	0	3	0	1	2	0	0	0	1	7
Stillborn - Other	2	4	0	1	1	0	0	1	0	0	9
Stillborn - Physical Abnormality	0	0	0	0	0	0	0	0	0	0	0
Totals	5	5	3	2	5	2	0	1	1	1	25

Calf Death Loss Percentage

