

2025 Irrigated Silage Corn Hybrid Performance Trial at Rocky Ford

Hybrid	Brand	Insect and Herbicide Technology Traits ^b	Yield					Forage Quality ^a															
			Dry Silage ^c	Matter	Yield	Moisture	Relative Maturity ^d	50% Silk	Plant Population	Plant Height	CP	aNDFom	Lignin	Starch	Ash	Fat	NDFD 30hr	NDFD 240hr	TDN	NEL	Milk/Ton		
			tons/ac	% of test avg.	% at harvest		date	plants/ac	in	percent									Mcal/cwt	lb/ton			
DG57TC29	Dyna Gro Seed	TRE, RR	28.0	9.8	112%	60.3	115	7/23	50,250	103	-	-	-	-	-	-	-	-	-	-	-	-	-
D55TC86RIB	Dyna Gro Seed	TRERIB, RR	27.8	9.7	111%	60.8	115	7/24	48,750	102	7.6	35	3.1	40	3.5	2.1	49	65	74	76	76	3198	
M16S45	May Seed	Conventional	26.8	9.4	107%	61.4	116	7/26	45,250	114	8.3	40	3.1	32	4.3	1.9	54	69	71	74	74	3114	
72MAY80	May Seed	Conventional	26.0	9.1	104%	61.2	118	7/24	48,750	106	7.6	42	3.5	32	4.0	1.8	57	72	71	74	74	3173	
M17GS01	May Seed	Conventional	25.9	9.1	103%	58.6	121	7/25	40,000	108	7.7	37	2.6	39	3.5	2.2	55	71	73	76	76	3275	
M18S84	May Seed	Conventional	24.4	8.5	97%	61.8	119	7/27	45,375	106	8.5	39	3.4	33	4.2	2.0	55	70	72	75	75	3183	
94MAY66	May Seed	Conventional	23.9	8.4	95%	52.9	116	7/24	46,375	101	8.2	38	2.6	35	4.1	2.1	57	71	72	75	75	3264	
M36GS60	May Seed	Conventional	23.0	8.0	92%	67.4	117	7/28	46,625	106	8.5	43	3.4	28	4.6	1.7	58	72	70	72	72	3093	
M27BR80	May Seed	Conventional	22.6	7.9	90%	62.0	114	7/26	44,625	103	8.3	43	2.7	30	4.5	1.7	67	79	71	73	73	3348	
EVEREST	May Seed	Conventional	22.3	7.8	89%	66.0	119	7/28	47,500	102	8.9	42	3.5	28	4.6	1.8	57	72	71	73	73	3136	
Average			25.1	8.8	100%	61.2	117	7/25	46,400	105	8.2	40	3.1	33	4.1	1.9	57	71	72	74	74	3198	
°LSD (0.30)			1.1	0.4																			
°LSD (0.05)			2.0	0.7																			
Coefficient of Variation (%)			2.9	2.9																			

^aAll forage quality analyses results are dry basis values. CP=crude protein; aNDFom=ash free neutral detergent fiber; NDFD=neutral detergent fiber digestibility; TDN=total digestible nutrients; NEL=net energy for lactation; Milk/ton= predicted amount of milk produced per ton of silage dry matter calculated using MILK2006; Beef/ton=predicted amount of beef produced per ton of silage dry matter calculated using ISU Beef.

^bTechnology trait designations: RR=RoundUp; TRERIB=Trecepta RIB Complete. For a list of specific pests controlled by each trait, please click [here](#).

^cSilage yield adjusted to 65% moisture content based on dried samples. Hybrid yields in bold are in the top LSD group for the trial (0.30).

^dRelative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity. The method of calculation of the relative maturity ratings may vary among companies.

^eFarmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

Site Information

Collaborator: CSU Arkansas Valley Research Center (Kevin Tanabe and Jeff Davidson)

Planting Date: May 14, 2025

Harvest Date: September 9, 2025

Herbicides: None applied in-season

Soil Type: Rocky Ford silty clay loam

GPS Coordinates 38.0385359, -103.6950975

Trial Comments: Excellent stands and good early growth. The trial was cultivated twice and minimal weed pressure was present through the season.

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