

Irrigated Corn Silage Variety Performance Trial at Fort Collins¹ in 2007.

Hybrid	Yield ² t/ac	Moisture %	Plant	
			Height in	Density plants/ac
Dyna-Gro 57X97 (HXI)	38.6	68.3	101	31170
Triumph 1866 (RR)	36.6	71.8	107	35106
Dyna-Gro 57P93 (RR2/YGCB)	34.9	69.7	104	30847
Mycogen (TMF) 2L844 (RR)	34.8	72.7	100	27603
Mycogen (TMF) 2Q716 (HX XT/RR)	34.1	66.9	106	30653
Fontanelle 5N503	33.1	60.4	99	33295
Garst 8579 (GT)	32.6	64.6	104	31541
Dyna-Gro 57P12 (RR2/YGCB)	32.5	69.8	93	23819
Mycogen (TMF) 2N804 (HXI/RR)	32.5	72.3	101	30589
Garst 8688 (GT)	32.3	63.8	102	27707
Fontanelle 7K133	31.6	68.8	110	31828
Mycogen (BMR) F2F797	31.3	73.8	109	32654
Garst 8302 (CRW/RR)	31.1	69.1	104	31492
Average	33.5	68.6	103	30639
³ LSD _(0.30)	3.9	1.6	5.7	3144.0
³ LSD _(0.05)	7.5	3.1	11.0	6098.7

¹Trial conducted at the Agricultural Research, Development and Education Center; seeded 05/11 and harvested 10/01.

²Silage yield correct to 70% moisture content.

³LSD_(0.30) is more useful for producers using these results to select a variety but some seed company collaborators wish to use LSD_(0.05).

Site Information

Plot Size: 5' x 45'

Experimental Design: randomized complete block, 3 replications

Seeding Rate: approximately 34,000 seeds/acre

Previous Crop: wheat

Irrigation: sprinkler

Growing Degree Days: 2703 (2007 GDD); 2316 (Long Term Ave GDD)

Soil Type: Fort Collins clay loam

Fertilization: 85 lbs N acre⁻¹; 40 lbs P₂O₅ acre⁻¹

Herbicide: Lasso, Marksman

Insecticide: none