

2020 Silage Corn Variety Trial at Minot

Company	Hybrid	Relative Maturity	Days to Silk	Harvest Moisture	Crude Protein	TDN	Yield		
							2019	2020	2 yr avg
							----- Yield -----		
							tons/A @65% moisture		
INTEGRA	STP4128R	91	DAP ¹ 72	55	6.7	71	20.22	20.70	20.46
INTEGRA	STP4550R	95	77	60	5.4	67	--	19.93	--
INTEGRA	STP4810R	98	79	62	5.7	65	--	22.11	--
INTEGRA	STP5191R	101	80	65	5.2	65	--	25.57	--
Dairyland Seed	HiDF-3044Q	91	69	49	5.6	71	--	22.73	--
Dairyland Seed	HiDF-3802Q	102	77	61	5.7	70	20.31	24.46	22.39
Dairyland Seed	DS-4440AMXT	104	75	60	5.8	70	--	22.60	--
Dairyland Seed	HiDF-4545Q	105	79	63	4.9	68	--	21.71	--
Dairyland Seed	HiDF-4999Q	109	81	64	4.8	68	--	19.70	--
Dairyland Seed	DS-3715AM	94	72	54	5.5	68	--	22.19	--
Legacy Seeds	L-3567 RRLFY	95	78	62	5.1	67	20.88	20.06	20.47
Legacy Seeds	L-4545 RRLFY	100	72	60	5.6	67	20.71	22.59	21.65
Legacy Seeds	L-4567 RRLFY	100	80	60	5.0	65	20.50	19.43	19.96
Legacy Seeds	L-5467 RRLFY	104	76	60	5.8	67	21.26	21.51	21.39
	Grain check	85	69	54	5.5	69	--	20.39	--
	Grain check	72	61	35	6.7	75	--	15.68	--
Trial Mean			75	58	5.6	68	21.08	21.33	--
C.V.%			1.6	4.4	--	--	14.10	13.24	--
LSD 5%			2	4	--	--	NS	4.71	--
LSD 10%			2	3	--	--	4.10	3.91	--

¹ DAP = days after planting

NS = no statistical difference between hybrids.

Planting Date: May 19

Harvest Date: September 18

Planting Rate: 30,000 seeds/A

Row Spacing: 30"

Tillage: Strip-till

Previous Crop: 2018 = hrsw, 2019 = soy

Soil Type: Williams Loam

2019 and 2020 Biological Seed Treatments on Grain Corn at Minot

Combined Means

Product	App. Rate	Days to Silk	Ear Height	Harvest Stand	Harvest Moisture	Test Weight	Grain Yield		
							2019	2020	Avg.
							----- bushels per acre -----		
Untreated		DAP* 71	inches 38	plants/A 26,549	% 21.2	lbs/bu 57.7	95.6	103.8	100.6
MA Endoprime	4 g/A	71	37	25,815	21.0	57.3	80.2	106.2	95.8
Nutricycle	1.4 g/A	70	37	26,182	20.9	57.5	93.9	103.2	99.5
MycoApply	3 oz/A	71	38	25,953	21.6	57.6	82.3	105.6	96.3
Saber Infurrow	1 oz/A						81.7	--	--
MA EndoFuse	0.5 g/100 wt						--	100.8	--
LSD 5%		NS	NS	NS	NS	NS	NS	NS	NS

*DAP = Days after planting.

NS = no statistical difference between products.

2019 Strip till planted on May 9 into spring wheat stubble and harvested on October 28.

2020 Strip till planted on May 19 into soybean stubble and harvested on October 12.

Planting Rate: 30,000 seeds/A

Row Spacing: 30"

Soil Type: Williams Loam