

2021 Corn Silage Performance Trials Summary

Conducted by Dr. Heather Darby and the University of Vermont Northwest Crops and Soils Program

Long season corn (96-109 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-11-21

Harvest Date: 09-15-21



Company/Brand	Hybrid	Trait Code †	RM	Harvest	DM	Yield,	Starch	CP	Lignin	NDFom	30 hr	CNCPS	CNCPS
				Population	%	35% DM	% DM	% DM	% DM	% DM	NDFom	Predicted	Predicted
				plants ac ⁻¹		tons ac ⁻¹	% DM	% DM	% DM	% DM	% NDFom	Milk	DMI
												Yield	lbs day ⁻¹
Hubner	H6134RCSS	17	96	32525	37.4	24.9	33.6	7.5	3.1	41.3	57.0	89.6	55.7
Seedway	SW 9504VT	14	96	32234	46.1	26.8	39.9	7.3	2.9	36.8	55.2	96.8	58.1
Local Seed Company	ZS9796 3220EZ	7	97	30868	39.0	22.2	34.0	7.3	3.3	40.6	53.2	76.2	49.8
Brevant	B97T04 SXE	17	97	37171	42.8	24.1	35.3	7.1	3.1	41.5	54.9	87.4	54.7
Channel	197-21VT2PRIB	19	97	31363	44.5	26.7	42.1	7.2	2.8	36.1	56.7	96.3	57.5
Channel	197-27STXRIB	19	97	31218	46.8	24.7	39.9	7.2	3.0	37.8	55.3	93.7	56.8
Seedway	SW 9839SS	13	98	31363	43.1	22.8	37.1	7.5	2.9	38.9	57.0	91.8	56.1
Channel	199-11STXRIB	19	99	31363	42.6	23.1	37.0	7.3	2.9	38.4	56.8	97.2	58.2
Growmark FS	FS 5090X RIB	17	100	32525	37.4	21.5	35.0	7.8	2.8	38.9	58.6	100.6	59.9
Dekalb	DKC50-87RIB	18	100	30492	39.6	25.3	39.3	7.6	3.1	37.3	52.8	86.2	53.4
Seedway	SW 0030SS	13	100	31654	40.6	24.1	34.8	7.2	3.1	40.8	56.8	91.9	56.8
Dyna-Gro	D40VC41	21	100	31944	42.6	25.0	38.5	7.0	2.9	37.4	56.7	98.4	58.7
Pioneer	P0035 Q	15	100	31654	43.3	25.1	39.8	7.1	2.7	37.3	58.8	104.3	61.0
RedTail-King's AgriSeed	RT 51T57	2	101	30373	37.8	24.5	35.4	8.3	3.2	39.1	54.5	91.2	55.9
Dekalb	DKC51-91RIB	18	101	31073	39.1	22.7	35.5	7.0	2.8	40.4	60.6	100.7	59.8
Seed Consultants	SC1018AM	10	101	31218	40.5	27.5	37.1	7.6	2.8	39.5	59.4	101.2	60.1
Growmark FS	FS 5101XRIB	17	101	32851	43.0	26.8	40.2	7.0	2.9	37.4	56.4	98.2	58.7
		96-101 day	RM Mean	31874	41.5	24.6	37.3	7.4	3.0	38.8	56.5	94.2	57.1

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Company/Brand	Hybrid	Trait Code †	RM	Harvest Population	DM	Yield, 35% DM	Starch	CP	Lignin	NDFom	30 hr NDFD	CNCPS Predicted Milk Yield	CNCPS Predicted DMI
				plants ac ⁻¹	%	tons ac ⁻¹	% DM	% DM	% DM	% DM	% NDFom	lbs day ⁻¹	lbs day ⁻¹
Brevant	B02V87AMXT	4	102	31944	37.9	24.0	39.8	7.5	2.7	35.8	56.8	102.7	60.3
Syngenta NK	NK0243-5122-EZ1	8	102	30492	39.7	25.8	37.0	7.3	3.1	39.2	55.4	86.2	53.6
Hubner	H6225RCSS	17	102	31637	40.7	21.1	37.2	7.6	2.9	39.2	56.4	94.1	57.0
Local Seed Company	ZS0398 5222EZ	9	103	32089	40.9	24.4	32.4	7.6	3.3	43.1	54.9	74.0	49.1
Channel	203-83STXRIB	19	103	32960	42.6	23.5	39.1	7.6	2.7	36.4	57.6	97.3	58.1
RedTail-King's AgriSeed	RT 54T13	1	104	30519	35.7	20.4	34.7	7.3	2.9	39.9	57.2	95.8	58.0
Seed Consultants	SC1042Q	16	104	30868	36.8	24.8	39.9	7.9	2.7	34.9	57.8	103.2	60.4
Dyna-Gro	D45TC55	20	105	31944	34.7	19.8	36.9	7.6	2.9	38.1	56.1	95.5	57.7
Local Seed Company	LC0607 TC	20	106	31363	39.4	28.9	35.3	7.8	3.1	40.3	56.4	90.8	56.0
Dekalb	DKC56-65RIB	18	106	30928	40.9	23.5	36.0	7.3	3.0	40.2	57.1	92.1	56.5
Seed Consultants	SC1071Q	16	107	30637	35.3	18.9	38.2	7.8	2.7	37.4	59.0	103.1	60.9
Channel	207-27STXRIB	19	107	30056	35.6	22.4	36.9	7.3	2.9	37.8	57.7	99.4	59.1
Pioneer	P0732 Q	15	107	33396	36.1	22.4	36.8	7.5	2.8	38.2	58.4	99.7	60.1
Hubner	H6390RCSS	17	108	31654	37.2	23.4	38.6	7.6	2.7	36.8	58.4	103.1	60.7
Dekalb	DKC58-64RIB	18	108	29766	38.0	22.0	35.8	7.9	2.9	38.8	58.0	98.4	58.9
Dekalb	DKC59-07RIB	18	109	30782	35.8	26.8	37.5	7.7	2.7	36.9	58.9	103.8	61.0
		102-109 day	RM Mean	31315	38.0	23.3	37.0	7.6	2.9	38.3	57.3	96.2	58.0
		LSD (0.10)		NS	4.1	4.2	3.9	0.5	0.3	NS	2.3	12.7	5.0
		Overall Mean		31603	39.8	23.9	37.2	7.5	2.9	38.6	56.9	95.2	57.5

Values in **bold** indicate the top performer for that measure

NS = Not significant

Trait Code	Trait	Trait Code	Trait	Trait Code	Trait
1	3000GT	9	Agrisure 5222 Duracade	17	Smart Stax
2	3122EZ	10	AM - RR/LL	18	SSRIB
3	3220EZ	11	Double Pro	19	STXRIB
4	Acre Max XT	12	Duracade5222	20	Trecepta
5	AcreMax	13	GENSS(RIB)	21	VT2 PRO
6	Agrisure 3220	14	GENVT2P(RIB)	22	VT2P
7	Agrisure 3220 Viptera	15	Qrome	23	VT2PRIB
8	Agrisure 5122	16	QROME - RR/LL		