

2021 Corn Silage Performance Trials Summary

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

Short season corn (83-95 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-07-21

Harvest Date: 09-03-21



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	% DM	% NDFom	lbs day ⁻¹
Seedway	SW 2190GENSS (RIB)	13	83	30034	34.1	16.9	31.9	9.7	3.3	39.0	53.3	75.3	49.6
Seed Consultants	SC851AM	10	85	30486	37.9	19.9	35.7	8.8	3.1	37.9	51.3	82.1	52.2
Brevant	B85R88AM	5	85	30373	38.3	18.5	40.2	8.3	2.7	34.5	53.7	95.9	57.4
Dekalb	DKC36-28RIB	18	86	31048	35.6	15.0	36.1	9.5	3.0	36.3	53.1	83.9	52.9
Hubner	H4062RC2P	11	86	29733	38.4	21.9	31.9	8.4	3.5	41.7	51.1	66.3	45.5
Local Seed Company	LC8607 5222EZ	9	86	30747	40.9	21.7	37.4	8.3	2.9	36.8	52.7	87.4	54.0
Dekalb	DKC39-54RIB	18	89	29852	37.1	18.4	36.6	8.7	3.0	36.9	54.1	90.3	55.5
Syngenta NK	NK9023-3220-EZ1	6	90	29997	34.2	20.1	35.8	8.8	3.2	37.9	50.5	71.0	47.2
Seed Consultants	SC901Q	16	90	30977	35.4	20.4	35.4	8.8	3.0	36.8	53.6	89.9	55.3
Growmark FS	FS 4095X RIB	17	90	30835	35.5	17.0	38.0	8.7	2.9	35.5	52.2	92.7	56.9
Seedway	SW9035VT	14	90	29911	36.0	17.3	38.6	8.3	2.9	35.1	53.2	89.6	55.1
Hubner	H4007RC2P	11	90	31697	36.0	20.3	41.1	8.1	2.8	34.2	51.9	95.0	57.3
Brevant	B90R92Q	15	90	31373	37.0	21.5	39.2	8.3	2.9	34.6	52.3	94.9	57.2
Local Seed Company	LC9108 VT2PRIB	22	91	30209	36.4	19.8	39.2	8.2	2.8	34.8	53.7	96.1	57.6
83-91 day			RM Mean	30519	36.7	19.2	36.9	8.6	3.0	36.6	52.6	86.5	53.8

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Company/Brand	Hybrid	Trait Code †	RM	Harvest	DM	Yield,	Starch	CP	Lignin	NDFom	30 hr	CNCPS	CNCPS	
				Population	%	35% DM								Predicted
				plants ac ⁻¹	%	tons ac ⁻¹	% DM	% DM	% DM	% DM	% NDF	lbs day ⁻¹	lbs day ⁻¹	
Dekalb	DKC42-04RIB	18	92	31261	35.7	21.3	41.9	8.1	2.8	33.4	52.9	98.0	58.4	
Channel	193-91STXRIB	19	93	31073	35.3	18.5	37.5	8.5	2.7	35.4	56.0	100.1	59.8	
Growmark FS	FS 4303X RIB	17	93	30287	37.0	20.9	40.9	8.3	2.7	34.3	53.0	97.7	58.5	
Seed Consultants	SC931Q	16	93	30717	37.2	17.8	37.9	8.2	2.9	37.0	52.2	91.8	56.1	
RedTail-King's AgriSeed	RT 43T48	3	93	30492	38.0	23.5	39.0	8.1	3.1	36.3	50.2	80.8	51.2	
Pioneer	P9492 AM	5	94	32525	37.3	20.5	42.0	7.9	2.6	33.0	52.6	98.4	58.9	
Dekalb	DKC45-07RIB	18	95	30680	32.7	17.8	36.9	8.6	2.9	37.4	54.3	93.7	57.3	
Dekalb	DKC45-94RIB	18	95	31531	33.1	23.8	34.6	7.9	3.1	39.5	52.9	83.3	52.9	
Seed Consultants	SC951Q	16	95	30212	33.4	17.0	35.5	8.3	2.9	38.2	54.6	93.9	57.3	
Seedway	SW 3768GENSS (RIB)	13	95	30390	35.1	19.5	40.8	8.2	2.7	33.9	54.0	98.7	58.8	
RedTail-King's AgriSeed	RT 45T09-D2	12	95	30809	36.3	20.2	39.7	7.7	3.0	35.8	51.7	86.8	53.6	
Brevant	B95V86AM	5	95	31508	37.4	22.9	39.7	7.6	3.0	36.5	50.3	89.6	55.3	
Syngenta NK	NK9535-3220-EZ1	6	95	30056	38.3	23.7	43.5	8.3	2.5	31.0	53.0	103.7	60.5	
				RM Mean	30888	35.9	20.6	39.2	8.1	2.8	35.5	52.9	93.6	56.8
				LSD (0.10) ‡	NS¥	2.8	3.7	4.3	0.6	0.3	3.1	2.6	14.7	6.1
				Overall Mean	30697	36.3	19.9	38.0	8.4	2.9	36.1	52.8	89.9	55.3

†Trait codes are listed in Table below.

‡LSD (0.10); least significant difference at the p=0.10.

¥NS = No significant statistical difference amongst the corn hybrids.

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		