

2023 Corn Silage Performance Trials Summary

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

Long season corn (98-111 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-10-23

Harvest Date: 09-22-23



Company/Brand	Hybrid	Trait code †	RM	Harvest population	DM	Yield 35% DM	Starch	CP	Lignin	aNDFom	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
Channel	198-99SSPRIB	10	98	31,508	30.3	24.2	37.9	7.4	3.4	38.2	51.0	86.8	54.6
Brevant Seed	B99A24Q	1	99	31,073	33.1	22.3	38.9	7.0	3.7	39.6	47.9	75.4	50.7
Growmark, Inc.	FS4927T RIB	12	99	27,443	33.4	23.7	36.1	6.6	3.8	41.1	45.7	64.2	46.6
Syngenta Seeds	NK0007-AA-EZ1	8	100	29,911	30.2	24.5	40.1	7.7	3.4	35.9	48.9	86.5	54.5
Seedway	SW 0030SS	4	100	30,637	31.9	25.1	37.5	6.9	3.7	40.3	48.4	74.2	50.3
Growmark, Inc.	FS5101X RIB	9	100	30,492	32.5	26.3	38.9	6.7	3.4	36.1	49.4	89.3	56.0
Redtail	RT 51T86-PC	6	101	31,654	29.8	24.4	39.1	7.2	3.5	37.2	46.5	79.3	52.0
Hubner Seed	H0151P	10	101	29,911	30.5	19.6	34.4	6.8	3.6	41.0	50.1	76.0	50.9
Growmark, Inc.	FS 5115X RIB	9	101	30,928	30.9	25.0	39.2	7.2	3.3	36.7	49.9	88.5	55.0
Seed Consultants, Inc.	SC1018AM	1	101	30,492	31.1	22.6	39.0	7.3	3.4	38.5	51.1	86.4	54.6
Dekalb	DKC101-33RIB	9	101	31,654	32.1	25.7	40.7	7.1	3.3	36.2	50.6	91.6	56.2
Channel	201-07SSPRIB	10	101	29,330	32.2	25.4	39.6	7.3	3.3	36.2	51.1	93.4	57.1
Syngenta Seeds	NK0295-AA	13	102	31,363	31.1	20.7	40.2	7.5	3.5	36.6	48.1	84.0	53.7
Revere Seed	Revere 0297 VT2P	4	102	30,637	34.8	25.2	38.7	6.9	3.5	39.9	50.2	80.3	52.3
Seedway	SW 0321SS	8	103	30,056	29.9	23.5	36.0	7.3	3.5	38.3	49.8	83.9	53.9
Dekalb	DKC53-94RIB	9	103	30,056	31.7	23.6	38.2	6.9	3.4	37.8	50.9	88.0	55.1
Seedway	SW 0345DV	3	103	30,347	33.5	25.3	37.7	7.8	3.6	39.3	50.7	83.2	53.1
Channel	204-54SSPRIB	10	104	31,508	30.6	26.4	38.8	6.8	3.4	37.4	50.8	88.9	55.7
Seed Consultants, Inc.	SC1042Q	7	104	30,928	30.9	22.1	38.6	6.6	3.5	37.9	48.4	81.6	53.0
Hubner Seed	H0475P	10	104	30,056	32.3	26.3	39.5	7.1	3.2	36.3	51.7	94.0	57.4
98-104 day mean				30,499	31.6	24.1	38.5	7.1	3.5	38.0	49.6	83.8	53.6

Table continued on the next page.

Company/Brand	Hybrid	Trait code †	RM	Harvest population	DM	Yield 35% DM	Starch	CP	Lignin	aNDFom	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
Seed Consultants, Inc.	SC1054AM	1	105	29,621	29.4	23.2	36.2	7.1	3.4	38.2	50.1	85.6	54.2
Dekalb	DKC105-33RIB	9	105	30,202	31.5	23.8	39.0	7.5	3.4	36.7	48.7	84.4	54.1
Revere Seed	Revere 0518 VT2P	13	105	30,782	31.7	23.6	38.0	6.8	3.4	38.4	49.9	82.6	52.8
Redtail	RT 55T79-D1	2	105	31,508	33.2	25.8	41.1	6.9	3.2	35.8	49.5	91.7	56.4
Brevant Seed	B06F91Q	7	106	30,782	28.5	25.1	37.6	7.1	3.5	39.9	51.4	83.0	53.3
Stine Seed	9658-32	2	106	30,928	30.4	24.6	38.2	6.8	3.5	40.8	48.9	75.2	50.4
Pioneer	P0732Q	7	107	30,492	31.0	19.9	39.2	6.1	3.4	38.8	49.2	81.2	52.6
Dekalb	DKC108-64RIB	9	108	30,347	27.9	27.2	39.7	7.4	3.5	36.7	47.6	82.8	53.0
Hubner Seed	H0881D	13	108	31,363	30.3	26.4	35.8	7.4	3.7	38.8	48.7	79.3	52.0
DynaGro Seed	D48VC84	13	108	30,637	30.7	26.1	37.4	7.3	3.8	40.1	47.6	73.7	49.8
Masters Choice	MCT5877-D	2	108	30,492	30.7	26.5	36.2	7.1	3.8	39.9	47.0	72.4	49.6
KingFisher	KF 59B70	5	109	30,637	25.1	23.6	37.1	7.3	2.7	39.2	61.2	113	64.3
Brevant Seed	B09F18	7	109	29,766	28.3	24.9	36.2	7.2	3.5	41.2	50.1	76.2	50.7
Seed Consultants, Inc.	SC1094Q	7	109	30,782	28.7	24.7	38.8	7.9	3.5	37.2	49.2	84.7	54.0
Masters Choice	MCT6014-D	2	110	30,782	29.1	23.5	35.2	7.3	3.7	41.4	47.0	67.7	47.9
Dekalb	DKC61-80RIB	9	111	30,202	28.8	26.9	35.0	7.7	4.0	38.9	44.4	69.1	48.5
105-111 days mean				30,583	29.7	24.7	37.5	7.2	3.5	38.9	49.4	81.4	52.7
Overall LSD (0.10) ‡				1,443	1.50	2.90	NS¥	NS¥	0.30	NS¥	3.10	13.9	4.90
Overall Mean				30,536	30.8	24.4	38.1	7.1	3.5	38.4	49.5	82.7	53.2

†Trait codes are listed in the 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	AcreMax	6	Powercore	11	Trecepta
2	Agrisure Duracade 5122 EZ Refuge	7	QROME	12	Trecepta RIB Complete
3	Agrisure Duracade 5222 EZ Refuge	8	SmartStax	13	VT Double Pro
4	Agrisure 3120 EZ Refuge	9	SmartStax RIB Complete	14	VT4PRO/RNAi Tech.
5	Conventional	10	SmartStax PRO		