

2023 Corn Silage Performance Trials Summary

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

Short season corn (86-99 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-10-23

Harvest Date: 09-15-23



Company/Brand	Hybrid	Trait code †	RM	Harvest population plants ac ⁻¹	DM %	Yield 35% DM tons ac ⁻¹	Starch % DM	CP % DM	Lignin % DM	aNDFom % DM	30 hr NDFD % NDFom	CNCPS predicted milk yield lbs day ⁻¹	CNCPS predicted DMI lbs day ⁻¹
Hubner Seed	H4062RC2P	13	86	31,508	35.4	22.0	40.8	7.3	3.6	36.4	45.3	78.1	51.2
Brevant Seed	B87D33	1	87	30,492	35.0	21.7	38.9	7.8	3.4	35.4	47.7	84.7	53.6
Redtail	RT 38T89-D1	2	88	30,347	33.8	25.2	39.9	7.0	3.7	37.7	45.4	75.6	50.5
DynaGro Seed	D28VC33	13	88	29,476	34.7	23.8	36.8	7.0	3.7	40.7	48.1	73.2	49.5
CNI	Integra 4023	13	90	30,202	31.3	25.0	38.8	7.6	3.5	36.4	48.1	84.5	53.6
Growmark, Inc.	FS 4095X RIB	9	90	29,911	32.7	25.7	38.2	7.4	3.5	36.9	48.9	84.5	53.6
Revere Seed	Revere 9108 VT2P	13	91	31,218	33.6	22.9	37.5	7.3	3.8	37.0	45.3	73.7	49.8
Brevant Seed	B92D25	1	92	30,492	31.5	25.7	38.0	6.9	3.5	38.5	48.1	78.9	52.0
Syngenta Seeds	NK9231-AA-EZ1	4	92	30,347	33.3	25.9	40.5	7.2	3.4	36.1	47.5	83.8	53.3
Redtail	RT 43T49-D2	2	93	31,073	29.7	25.2	34.9	7.6	3.8	39.1	45.5	71.7	49.1
Dekalb	DKC093-05RIB	9	93	31,363	29.7	30.4	37.7	7.3	3.4	37.8	50.1	84.4	53.4
Seedway	SW 9333SS	8	93	31,218	31.4	21.4	37.8	7.4	3.5	39.2	49.4	79.3	52.0
Channel	193-40VT4PRIB	14	93	32,380	32.2	28.0	39.1	6.7	3.6	38.0	47.8	80.5	52.3
Growmark, Inc.	FS 4303X RIB	9	93	31,944	32.3	21.1	38.1	7.1	3.6	38.8	47.1	75.4	50.6
Channel	193-91STXRIB	8	93	31,218	32.6	27.4	39.8	7.2	3.3	37.4	49.1	83.6	53.3
Pioneer	P9489Q	7	94	29,911	31.9	26.5	38.2	7.5	3.5	36.3	48.6	85.8	54.1
DynaGro Seed	D34VC93	13	94	31,944	33.8	27.4	38.1	6.9	3.6	36.9	47.4	81.8	52.8
Revere Seed	Revere 9538 DV	3	95	30,782	28.2	23.4	36.5	7.9	3.7	37.4	46.4	78.4	51.3
Dekalb	DKC45-74RIB	9	95	29,911	29.5	24.4	35.6	7.2	3.7	39.6	47.5	74.4	50.2
Seedway	SW 9550SS	8	95	30,347	31.7	24.0	38.7	7.5	3.5	37.1	47.6	80.6	52.2
CNI	Integra 4509	13	95	31,799	31.8	29.0	40.2	7.2	3.3	35.2	48.9	88.7	55.1
Dekalb	DKC45-07RIB	9	95	31,654	32.2	26.3	39.7	7.8	3.5	36.4	46.9	81.0	52.4
Seed Consultants, Inc.	SC954Q	7	95	32,234	33.3	23.5	38.8	7.5	3.4	37.3	48.0	81.2	52.4
		86-95 day	mean	30,947	32.3	25.1	38.4	7.3	3.5	37.5	47.6	80.2	52.1

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	% NDFom	lbs day ⁻¹	lbs day ⁻¹
Schlessmanns (Gold Star)	SX343GTV	13	96	30,782	31.5	25.9	40.9	7.4	3.5	36.1	46.4	80.5	52.1
Seed Consultants, Inc.	SC964AM	1	96	31,654	32.2	22.3	42.4	6.8	3.3	34.7	47.9	87.7	54.8
Hubner Seed	H6134RCSS	8	96	31,799	32.2	25.7	39.8	7.4	3.3	35.6	48.8	86.4	54.4
CNI	Integra 4601	13	96	30,928	33.3	28.2	39.3	7.1	3.6	37.5	47.3	79.3	51.6
Hubner Seed	H6107RCSS	8	97	30,782	28.1	22.3	36.9	8.1	3.6	37.5	49.0	82.8	53.3
Masters Choice	MCT4718-DV	3	97	32,089	30.1	24.6	37.0	7.5	3.8	38.1	45.2	74.1	50.1
Revere Seed	Revere 9796 V	13	97	31,944	30.6	27.6	35.7	7.2	3.9	39.2	43.2	65.7	47.2
Channel	198-99SSPRIB	10	98	32,525	29.0	27.7	37.3	7.6	3.3	36.4	50.4	88.3	54.9
CNI	Integra 4864	8	98	31,508	29.9	26.6	35.7	7.4	3.5	37.6	48.0	81.8	52.8
Revere Seed	Revere 9827 SSX	8	98	31,218	30.5	23.6	35.9	7.3	3.6	39.3	48.9	78.8	51.6
Seedway	SW 9726TR	11	98	32,089	31.1	26.8	41.2	8.0	3.3	33.9	47.7	86.8	54.1
Pioneer	P9823Q	7	98	30,347	31.3	27.6	40.1	7.7	3.4	35.2	47.6	84.8	53.5
Dekalb	DKC48-34RIB	9	98	30,637	31.4	24.4	36.0	6.9	3.5	39.8	50.4	81.3	52.5
Dekalb	DKC098-55RIB	9	98	30,782	31.9	25.5	39.5	7.3	3.2	36.3	49.3	86.5	54.1
Masters Choice	MCT4981-D	3	99	30,056	28.7	24.4	34.8	8.0	3.5	37.5	49.1	85.0	53.8
Stine Seed	9444-22	2	99	31,073	28.9	23.3	36.7	7.3	3.8	39.9	45.1	68.1	47.9
96-99 day mean				31,263	30.7	2534	38.1	7.4	3.5	37.2	47.8	81.1	52.4
Overall LSD (0.10) ‡				NS¥	2.2	2.9	3.5	NS¥	0.3	NS¥	3.1	NS¥	NS¥
Overall Mean				31,073	31.6	25.2	38.2	7.4	3.5	37.3	47.7	80.6	52.2

†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		