

## 2022 Corn Silage Performance Trials Summary

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

Short season corn (86-95 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-13-22

Harvest Date: 09-12-22



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 <sup>-1</sup>	%	tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% DM	% NDFom	lbs day <sup>-1</sup>
Revere Seed	8607 DV	4	86	29410	36.5	27.2	34.8	9.0	3.1	36.8	55.7	86.8	25.7
CNI	Integra 3718	13	87	30519	31.7	27.1	33.3	7.9	3.2	38.2	54.1	82.3	25.3
Redtail King's Agriseeds	RT 38T89-D1	3	88	29954	31.9	30.4	34.4	8.3	3.2	38.4	55.0	84.7	25.6
Seed Consultants, Inc.	SC893AM	1	89	30782	33.7	27.5	33.6	7.6	3.2	37.5	55.1	80.8	24.9
Dekalb	DKC39-54RIB	10	89	29664	<b>38.8</b>	27.3	38.8	8.1	3.1	35.2	55.4	90.4	26.2
Brevant Seeds	B90R92Q	7	90	30578	32.6	26.2	37.3	8.2	3.1	35.2	53.3	88.2	26.0
Growmark, Inc	FS 4095X RIB	10	90	31492	33.2	27.4	38.1	8.4	2.9	34.6	56.9	99.7	28.2
Pioneer Seed	P9193Q	7	90	31218	33.8	28.5	37.1	8.0	3.1	35.3	54.4	91.0	26.4
Seed Consultants, Inc.	SC901Q	7	90	31654	34.3	29.9	<b>40.6</b>	8.1	2.8	33.7	56.2	102	28.3
Seedway	SW 9035SS	8	90	30390	35.0	28.5	33.9	7.8	3.3	39.0	54.6	80.6	25.0
<b>86-90 day</b>			<b>Mean</b>	<b>30566</b>	<b>34.1</b>	<b>28.0</b>	<b>36.2</b>	<b>8.1</b>	<b>3.1</b>	<b>36.4</b>	<b>55.1</b>	<b>88.6</b>	<b>26.1</b>

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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 <sup>-1</sup>	%	tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% NDFom	lbs day <sup>-1</sup>	lbs day <sup>-1</sup>	
CNI	Integra STP4128	13	91	29948	32.7	25.8	33.7	8.9	3.0	37.1	57.5	96.7	27.7	
Revere Seed	9108 VT2PRIB	13	91	30099	34.3	29.0	36.7	8.1	2.9	34.9	56.4	97.4	27.7	
Hubner Seed	H4061RC2P	13	91	30492	34.7	26.9	36.5	8.1	3.2	36.8	53.9	79.7	24.6	
Brevant Seeds	B91K05Q	7	91	31099	35.2	27.8	39.6	8.0	2.8	<b>33.0</b>	55.7	101	28.0	
Dekalb	DKC42-04RIB	10	92	30604	35.7	30.5	38.8	7.8	3.0	34.8	54.3	92.8	26.8	
Redtail King's Agriseeds	RT 43T48	6	93	29766	31.6	27.1	33.1	8.6	3.3	38.5	54.0	77.6	24.1	
Seedway	SW 9333SS	8	93	30390	33.4	27.3	35.6	8.2	2.9	36.6	57.7	94.4	27.2	
Growmark, Inc	FS 4303X RIB	10	93	30202	33.5	24.1	36.6	7.8	3.2	37.1	52.8	75.3	23.9	
Channel	193-91STXRIB	10	93	29707	34.6	<b>30.7</b>	36.2	7.9	<b>2.7</b>	36.6	<b>61.1</b>	<b>105</b>	<b>29.2</b>	
Redtail King's Agriseeds	RT 45T09-D2	4	95	29793	29.7	25.8	34.9	8.7	3.2	35.9	52.7	79.5	24.3	
Revere Seed	9598 DV	4	95	<b>31868</b>	30.9	29.1	34.9	8.4	3.0	36.6	57.8	96.7	27.7	
Channel	195-51STXRIB	10	95	30621	31.6	26.2	34.8	8.5	2.9	36.4	58.8	99.8	28.2	
CNI	Integra 4509	13	95	29954	33.2	28.5	38.7	7.5	2.9	35.0	57.1	101	28.3	
Seedway	SW 9550SS	8	95	31304	33.3	29.0	36.3	8.0	3.1	36.7	54.3	85.1	25.5	
Dekalb	DKC45-07RIB	10	95	31782	33.6	26.9	36.1	8.1	3.0	36.0	57.3	94.3	27.1	
Dekalb	DKC45-74RIB	10	95	30928	33.9	29.2	35.9	8.0	2.8	35.9	59.5	103	28.7	
				<b>91-95 day Mean</b>	<b>30,535</b>	<b>33.2</b>	<b>27.7</b>	<b>36.1</b>	<b>8.2</b>	<b>3.0</b>	<b>36.1</b>	<b>56.3</b>	<b>92.4</b>	<b>26.8</b>
				<b>LSD (0.10) ‡</b>	<b>NS‡</b>	<b>2.0</b>	<b>NS</b>	<b>NS</b>	<b>0.5</b>	<b>0.3</b>	<b>NS</b>	<b>4.0</b>	<b>NS</b>	<b>NS</b>
				<b>Overall mean</b>	<b>30547</b>	<b>33.6</b>	<b>27.8</b>	<b>36.2</b>	<b>8.2</b>	<b>3.0</b>	<b>36.2</b>	<b>55.8</b>	<b>91.0</b>	<b>26.6</b>

†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	AcreMax (AM)	6	Agrisure Viptera 3220EZ	11	SmartStax Pro RIB Complete (SSPRIB)
2	AcreMax Xtreme (AMXT)	7	Qrome	12	Trecepta
3	Agrisure Duracade 5122EZ	8	SmartStax (SS)	13	VT Double Pro (VT2P)
4	Agrisure Duracade 5222EZ	9	SmartStax Enlist (SXE)	14	VT Double Pro RIB Complete (VT2PRIB)
5	Agrisure Viptera 3111	10	SmartStax RIB Complete (SSRIB)		