

## 2022 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: 05-10-22

Harvest Date: 09-21-22



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>
Hubner Seed	H6134RCSS	10	96	30723	33.5	27.9	37.2	8.0	3.2	37.0	53.3	74.2	23.6
CNI	Integra 4601	13	96	31928	34.9	28.3	37.1	8.0	3.4	38.2	51.8	71.5	23.1
Revere Seed	9796 V	6	97	29997	33.1	27.0	39.8	7.9	3.5	35.6	45.9	51.9	19.2
Hubner Seed	H6107RCSS	10	97	31416	33.2	27.5	38.6	8.1	3.2	35.4	52.0	72.5	23.0
Brevant Seeds	B97T04SXE	9	97	29647	33.2	27.3	38.1	8.0	3.4	37.6	49.3	62.8	21.2
Seedway	SW 9726TR	12	97	29895	33.3	27.0	37.1	7.8	3.5	39.3	47.9	54.7	20.1
Seed Consultants, Inc.	SC973AM	1	97	31987	35.1	25.8	41.8	8.2	3.0	33.7	52.3	81.8	24.4
Revere Seed	9827 SXRIB	10	98	30426	31.0	24.8	32.7	8.1	3.7	41.4	48.4	52.3	19.7
Syngenta Seeds	NK9874-3220	6	98	30314	32.2	24.7	34.1	8.2	3.3	38.5	52.3	69.2	22.7
Dekalb	DKC48-34RIB	10	98	29476	33.4	25.3	35.6	7.8	3.3	38.5	52.5	69.9	22.9
Syngenta Seeds	NK9922-5222	4	99	30136	32.3	28.2	37.6	8.4	2.9	36.2	54.7	82.6	24.7
Growmark, Inc	FS 4927T RIB	12	99	30954	33.4	27.5	36.2	7.8	3.6	39.9	47.9	56.9	20.4
Revere Seed	9916 VT2PRIB	13	99	30637	35.4	24.6	40.0	6.9	3.2	37.2	51.7	71.0	23.1
Pioneer Seed	P0035Q	7	100	32815	31.6	27.8	37.1	8.3	3.1	37.5	55.3	82.5	25.2
Seedway	SW 0030SS	8	100	30680	33.1	28.5	38.8	7.7	3.2	35.0	52.4	78.7	24.2
Seed Consultants, Inc.	SC1003AM	1	100	30750	34.1	27.3	39.7	8.0	3.1	34.9	52.1	75.4	23.4
Dyna-Gro Seed	D40VC41	13	100	30492	34.3	24.4	41.2	7.3	3.0	34.6	53.4	85.9	25.4
Dekalb	DKC50-87RIB	10	100	30357	34.9	26.0	39.8	7.8	3.4	36.6	50.7	66.7	21.9
Channel	200-42VT2PRIB	14	100	31330	<b>37.1</b>	28.3	41.1	7.9	3.1	36.3	53.2	77.3	23.8
Seed Consultants, Inc.	SC1018AM	1	101	29878	31.2	28.7	40.6	7.8	3.0	36.3	55.5	89.2	26.1
Growmark, Inc	FS 5101X RIB	10	101	30868	31.9	27.5	36.5	7.8	3.3	37.1	51.4	68.6	22.6
Channel	201-07SSPRIB	11	101	29647	32.2	26.4	39.9	8.3	3.1	34.7	52.5	78.7	24.1
Growmark, Inc	FS 5115X RIB	10	101	29809	33.3	27.6	40.4	8.2	3.0	35.4	54.4	86.7	25.5
Brevant Seeds	B02V87AMXT	2	102	30604	30.9	27.2	41.0	8.4	3.2	35.4	54.0	83.4	24.9
Hubner Seed	H6225RCSS	10	102	31116	33.9	27.9	39.6	7.9	3.2	35.9	52.2	75.2	23.6
		<b>96-102 day</b>	<b>Mean</b>	<b>30635</b>	<b>33.3</b>	<b>26.9</b>	<b>38.5</b>	<b>7.9</b>	<b>3.2</b>	<b>38.8</b>	<b>56.5</b>	<b>94.2</b>	<b>57.1</b>

Table continued on 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 <sup>-1</sup>	%	tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% DM	% NDFom	lbs day <sup>-1</sup>
Dekalb	DKC53-94RIB	10	103	<b>33310</b>	32.3	29.9	35.0	8.1	3.2	37.8	53.6	68.8	22.4
Seedway	SW 0321SS	8	103	31126	32.8	28.5	39.9	8.0	3.1	35.2	53.2	80.1	24.5
Revere Seed	0398 DV	4	103	30067	33.6	25.1	37.6	8.3	3.3	37.7	51.7	71.6	23.0
Redtail King's Agriseeds	RT 53T49-D2	4	103	29400	36.3	26.6	40.2	8.5	3.1	35.2	53.0	76.6	23.3
Dyna-Gro Seed	D44SS54	13	104	29476	32.2	23.8	40.4	8.2	3.0	34.7	53.7	84.2	25.1
Seed Consultants, Inc.	SC1042Q	7	104	30093	33.6	27.6	<b>42.1</b>	8.0	2.9	34.8	54.5	88.7	25.8
Seed Consultants, Inc.	SC1053AM	1	105	30928	29.7	28.7	39.0	8.3	3.3	37.4	51.8	72.9	23.1
Revere Seed	0518 VT2PRIB	13	105	30126	32.4	27.9	40.7	8.1	3.1	35.4	52.6	75.0	23.5
Hubner Seed	H0570S	10	105	31680	32.5	28.3	36.4	8.6	3.5	38.4	51.1	58.4	20.5
Pioneer Seed	P0732Q	7	106	32825	28.9	29.0	37.4	8.3	3.3	38.9	53.0	75.0	23.5
Brevant Seeds	B06F91Q	7	106	29895	31.0	<b>30.7</b>	41.1	<b>8.6</b>	2.9	<b>33.2</b>	55.0	<b>95.1</b>	<b>26.9</b>
Channel	206-16SSPRIB	11	106	30492	33.2	28.5	39.3	8.4	3.2	35.5	50.5	64.7	21.4
Channel	206-99STXRIB	10	106	30347	33.6	27.1	41.2	7.8	<b>2.8</b>	34.2	<b>56.4</b>	93.9	26.8
Redtail King's Agriseeds	RT 57T85	5	107	30862	31.9	27.7	38.1	7.9	2.9	35.7	53.7	86.6	25.7
Dekalb	DKC59-81RIB	10	109	30492	31.6	27.5	37.6	8.3	3.3	36.9	52.3	65.6	21.6
Dekalb	DKC59-07RIB	10	109	31363	32.8	27.5	38.6	7.5	3.2	36.4	53.0	75.2	23.7
		<b>103-109 day</b>	<b>Mean</b>	<b>30,780</b>	<b>32.4</b>	<b>27.8</b>	<b>39.0</b>	<b>8.2</b>	<b>3.1</b>	<b>36.1</b>	<b>53.1</b>	<b>77.0</b>	<b>23.8</b>
		<b>LSD (0.10) ‡</b>		<b>1,670</b>	<b>2.3</b>	<b>NS¥</b>	<b>4.2</b>	<b>0.5</b>	<b>0.3</b>	<b>3.4</b>	<b>2.9</b>	<b>16.8</b>	<b>2.9</b>
		<b>Overall Mean</b>		<b>30,692</b>	<b>33.0</b>	<b>27.3</b>	<b>38.7</b>	<b>8.0</b>	<b>3.2</b>	<b>36.5</b>	<b>52.3</b>	<b>74.4</b>	<b>23.4</b>

†Trait codes are listed in Table below.

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

¥NS = No significant 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)		