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## Long Season Corn Silage Performance Trials Summary

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## 2020 Corn Silage Performance Trials Summary

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

Long season corn (96-111 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-14-20

Harvest Date: 09-21-20



Company/Brand	Hybrid	Trait Code †	RM	Harvest	DM	Yield,	Starch	CP	Lignin	NDFom	30 hr	CNCPS	CNCPS
				Population	%	35% DM	% DM	% DM	% DM	% DM	NDFom	Predicted	Predicted
				plants ac <sup>-1</sup>		tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% NDFom	Milk	DMI
												Yield	lbs day <sup>-1</sup>
Hubner Seed	H6134RCSS	34	96	32089	36.4	23.6	34.4	7.6	3.3	39.3	55.5	68.5	46.3
Albert Lea - Viking	46-96	1	96	29476	38.7	23.4	40.3	7.3	2.8	34.8	57.2	94.9	57.4
Schlessman	SX343 GT3220-EZ	20	96	30928	39.5	24.0	41.7	7.9	3.1	32.6	52.4	77.4	49.6
Brevant Seed	B97F86AMXT	8	97	30347	37.0	23.4	38.6	8.0	3.1	35.8	56.3	78.7	50.3
Local Seed Company	ZS9796 3220EZ	20	97	31944	38.1	24.5	39.6	7.9	3.2	33.5	51.9	68.4	45.7
Brevant Seed	B97T04SXE	37	97	30056	39.5	22.8	38.0	<b>7.0</b>	3.2	38.1	55.7	76.1	49.3
Dekalb	DKC47-55RIB	42	97	30347	39.7	24.8	38.5	7.6	2.9	36.7	57.6	93.3	56.7
Blue River Organic Seed	42C87	1	98	32234	36.0	26.0	37.5	8.2	3.0	35.5	55.9	83.9	52.7
Hubner Seed	H6172RCSS	34	98	31799	37.9	25.6	37.3	7.4	3.2	39.2	57.0	77.8	50.2
Seed Consultants	SCS 981SX	34	98	31654	39.6	25.3	37.7	6.7	3.2	39.1	55.8	69.3	46.4
Local Seed Company	LC9888 VT2PRIB	41	98	30928	40.1	27.9	39.5	7.6	3.3	36.1	52.5	62.7	43.5
Seedway	SW 4000	36	99	32525	36.1	26.1	37.7	8.1	3.1	35.6	55.0	77.9	50.1
Dekalb	DKC49-45RIB	42	99	30202	37.1	24.6	36.1	7.4	3.0	38.1	56.7	84.5	53.1
Channel	199-60STXRIB	36	99	31508	<b>37.2</b>	27.9	36.5	7.8	3.0	37.6	57.0	81.6	51.8
Nutrien Ag Solutions/Dyna-Gro	D39VC40	41	99	29330	38.4	26.5	37.5	7.8	3.0	36.9	56.8	90.9	55.9
Growmark FS	FS 5090X RIB	36	100	32380	35.1	24.9	36.7	7.7	3.2	37.4	55.3	77.6	50.2
Nutrien Ag Solutions/Dyna-Gro	D40VC41	41	100	31799	35.7	25.1	38.4	7.1	3.0	36.2	56.6	90.8	55.7
Pioneer	P0031 Q	33	100	31508	37.2	24.9	38.5	7.3	3.4	36.1	51.4	65.5	44.7
Seed Consultants	SCS 1018YHR	26	101	30782	35.0	27.2	39.3	7.2	3.1	37.0	56.3	86.0	53.7
Growmark FS	FS 5101X RIB	36	101	30928	36.2	26.0	39.8	7.6	3.0	35.6	56.1	85.4	53.2
Albert Lea - Viking	O.69-01	1	101	29911	36.6	21.4	38.7	8.3	3.1	35.1	55.5	77.0	49.8
Brevant Seed	B02V87AMXT	8	102	30492	35.0	26.4	39.4	7.1	3.1	36.7	56.9	85.6	53.4
King's AgriSeeds-KingFisher	KF 52C20	1	102	30347	35.8	24.0	38.4	7.2	3.1	37.7	54.0	77.3	50.1
Blue River Organic Seed	48G35	1	102	31508	36.1	23.1	39.5	7.9	2.9	35.2	57.1	90.3	55.3
Hubner Seed	H6225RCSS	34	102	30637	36.3	23.3	39.6	7.1	2.9	36.2	56.1	90.9	55.7
<b>96-102 day</b>				31026	37.2	24.9	38.4	7.5	3.1	36.5	55.6	80.5	51.2

Table continued below

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 <sup>-1</sup>	%	tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% NDFom	lbs day <sup>-1</sup>	lbs day <sup>-1</sup>
Seed Consultants	SCS 1030AM	52	103	30637	33.6	27.8	37.5	7.5	3.3	37.1	54.5	73.2	48.1
Blue River Organic Seed	51T59	1	103	30056	34.2	23.7	37.7	7.2	2.9	35.6	56.1	90.7	55.9
Channel	203-60TRERIB	39	103	31654	36.7	26.0	38.2	7.7	3.0	36.1	54.8	84.1	52.7
Channel	203-01STXRIB	36	103	31073	37.2	24.3	42.9	7.1	2.5	31.9	57.9	103.0	60.2
Local Seed Company	LC0398 5222EZ	22	103	31654	40.8	24.1	39.4	7.6	3.3	36.7	52.6	61.9	42.9
Albert Lea - Viking	O.51-04	1	104	30347	34.9	23.1	37.4	7.8	3.0	35.7	56.0	78.9	50.5
Syngenta NK	NK0440-3122	19	104	31944	35.2	25.7	39.7	7.3	3.0	35.5	55.2	83.8	52.4
Pioneer	P0242 AMXT	52	104	31654	35.2	23.2	38.2	7.6	3.0	36.1	55.1	83.4	52.5
Dekalb	DKC54-65RIB	42	104	31508	37.2	23.6	39.5	8.0	3.0	35.6	56.0	83.2	52.4
Local Seed Company	LC0488 VT2PRIB	41	104	30347	37.5	26.6	41.1	7.5	2.9	33.8	55.4	90.7	55.3
Dekalb	DKC55-37RIB	36	105	30782	34.6	22.7	34.2	7.6	3.3	39.0	53.8	74.1	49.0
Brevant Seed	B05T80SX	35	105	31944	35.8	25.6	35.3	7.7	3.3	37.1	54.5	70.2	46.7
Blue River Organic Seed	54C27	1	105	29911	35.9	23.7	36.6	7.7	2.9	37.2	56.9	82.6	51.9
Seedway	SW 5569	14	106	30928	35.6	27.4	36.3	8.0	3.0	36.1	55.9	76.8	49.7
Local Seed Company	LC0607 TCRIB	38	106	31654	36.2	23.8	37.4	7.7	3.1	37.0	56.0	83.6	52.6
Seed Consultants	SCS 1071AM	52	107	29476	32.5	25.8	39.3	7.9	3.0	35.0	56.0	87.2	54.0
Masters Choice	MC5790	1	107	30492	34.9	24.2	35.3	7.6	3.1	38.2	56.4	72.8	47.9
Local Seed Company	LC0708 VT2PRIB	41	107	31654	35.8	29.8	34.9	7.8	3.4	38.7	51.9	60.6	43.0
King's AgriSeeds-RedTail	RT 58T81	10	108	29766	33.5	27.1	33.7	7.7	3.4	38.9	53.5	61.9	43.3
Seedway	SW 6540	41	108	31508	34.9	25.0	38.2	7.6	3.1	35.5	55.2	85.0	53.0
Albert Lea - Viking	O.48-08	1	108	30782	36.9	26.6	41.7	7.5	2.8	33.3	54.3	89.5	54.6
Masters Choice	MCT5851	10	108	30492	37.5	25.8	37.9	7.6	3.1	37.0	55.4	71.6	47.2
Dekalb	DKC59-07RIB	36	109	31218	36.7	26.7	36.9	7.8	2.9	35.9	58.0	91.2	55.7
Masters Choice	MC6070	1	110	28459	31.8	24.9	33.8	7.6	3.3	40.1	54.8	63.6	44.2
Albert Lea - Viking	O.74-10	1	110	30347	35.4	25.8	35.5	8.2	3.1	37.2	55.6	70.5	46.9
Blue River Organic Seed	62G22	1	110	29911	37.0	25.5	36.3	8.0	3.3	36.2	52.8	57.0	40.8
Albert Lea - Viking	58-11	1	111	31654	35.1	24.1	37.7	7.5	3.0	37.0	56.5	79.3	50.5
		<b>103-111 day</b>	<b>106</b>	<b>30809</b>	<b>35.6</b>	<b>25.3</b>	<b>37.5</b>	<b>7.6</b>	<b>3.1</b>	<b>36.4</b>	<b>55.2</b>	<b>78.2</b>	<b>50.2</b>
		<b>LSD (0.10)</b>	<b>NS<sup>4</sup></b>	<b>2.1</b>	<b>NS</b>	<b>4.0</b>	<b>NS</b>	<b>0.6</b>	<b>0.3</b>	<b>3.0</b>	<b>2.2</b>	<b>16.6</b>	<b>7.0</b>
		<b>Overall Mean</b>	<b>103</b>	<b>30914</b>	<b>36.4</b>	<b>25.1</b>	<b>37.9</b>	<b>7.6</b>	<b>3.1</b>	<b>36.5</b>	<b>55.4</b>	<b>79.3</b>	<b>50.7</b>

Values in **bold** indicate the top performer for that measure

NS = Not significant

Trait Code	Trait
1	Conventional
2	Roundup Ready (RR), Roundup Ready 2 (RR2)
3	AcreMax (AM)
4	AcreMax CRW (AMRW)
5	AcreMax1 (AM1)
6	AcreMax Leptra (AML)
7	AcreMax TRIsect (AMT)
8	AcreMax Xtra (AMX)
9	AcreMax Xtreme (AMXT)
10	Agrisure GT
11	Agrisure GT/RW
12	Agrisure 3010
13	Agrisure 3010A
14	Agrisure 3000GT
15	Agrisure 3011A
16	Agrisure Viptera 3110 and 3110A
17	Agrisure Viptera 3111
18	Agrisure 3120 EZ Refuge
19	Agrisure 3122 EZ Refuge
20	Agrisure Viptera 3220 EZ Refuge
21	Agrisure Duracade 5122 EZ Refuge
22	Agrisure Duracade 5222 EZ Refuge
23	Herculex I (HXI)
24	Herculex RW (HXRW)
25	Herculex XTRA (HXX)
26	Intrasect (YHR)
27	Intrasect TRIsect (CYHR)
28	Intrasect Xtra (YXR)
29	Intrasect Xtreme (CYXR)
30	Leptra (VYHR)
31	Powercore
32	Powercore Refuge Advanced
33	QROME (Q)
34	SmartStax
35	Smartstax Refuge Advanced
36	SmartStax RIB Complete
37	SmartStax Enlist
38	Trecepta
39	Trecepta RIB Complete
40	TRIssect (CHR)
41	VT Double PRO
42	VT Double PRO RIB Complete
43	VT Triple PRO
44	VT Triple PRO RIB Complete
45	Yieldgard Corn Borer (YGCB)
46	Yieldgard Rootworm (YGRW)
47	Yieldgard VT Triple
48	Floury Leafy
49	RW/HXX/YGCB/LL/RR2
50	HX1/YGCB/LL/RR2
51	HXX/YGCB/LL/RR2
52	AMXT,LL,RR2