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## Short 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

Short season corn (80-95 day relative maturity) silage hybrids in Alburgh, VT

Planting Date: 05-13-20

Harvest Date: 09-09-20



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 Milk Yield	Predicted DMI
				plants ac <sup>-1</sup>		tons ac <sup>-1</sup>					% NDFom	lbs day <sup>-1</sup>	lbs day <sup>-1</sup>
Masters Choice	MCT3393	14	83	30855	34.5	20.6	35.1	8.1	3.1	39.6	56.5	71.7	47.5
King's AgriSeeds-KingFisher	KF 34C30	1	84	29911	33.9	19.7	42.0	8.5	2.8	32.5	55.3	91.7	55.4
Seed Consultants	SCS 851AM	52	85	29693	33.8	18.6	37.3	8.8	2.9	35.7	55.7	82.3	52.1
Blue River Organic Seed	22K32	1	86	29258	31.0	17.0	39.1	8.2	2.8	33.6	55.9	83.4	51.9
Syngenta NK	NK8618-3120	18	86	31363	32.4	19.4	34.8	8.5	3.1	39.0	57.5	73.0	48.0
Hubner Seed	H4062RC2P	41	86	28604	33.3	18.3	38.1	8.3	2.9	36.1	57.0	84.6	52.9
Dekalb	DKC36-30RIB	42	86	29040	34.4	18.3	38.9	8.2	2.9	34.9	56.1	82.5	51.8
Local Seed Company	LC8607 5222EZ	22	86	29330	34.9	19.2	34.4	9.3	3.2	37.4	56.0	69.9	46.6
Hubner Seed	H6053RCSS	34	87	31073	34.1	19.1	37.2	8.4	3.1	35.6	56.0	81.2	51.5
Blue River Organic Seed	26B78	1	88	29548	31.9	20.3	38.9	8.2	3.0	35.5	55.1	84.9	52.3
Schlessman	SX088	2	88	30637	32.0	18.4	37.8	7.6	2.9	37.9	58.2	90.7	55.7
Masters Choice	MCT3890	1	88	28822	34.9	19.0	38.4	8.6	2.9	35.5	57.1	79.7	50.5
Channel	189-39VT2PRIB	42	89	30274	33.6	18.6	38.4	7.9	3.0	36.2	56.0	85.0	53.2
Seedway	SW 3110	36	90	29839	<b>31.7</b>	19.9	36.3	8.4	3.1	37.1	55.4	73.2	48.0
Brevant Seed	B90R92Q (Qrome)	33	90	30492	32.7	20.5	40.0	8.1	2.8	34.1	55.3	87.5	53.8
Growmark FS	FS 4095X RIB	36	90	29476	33.2	20.2	38.1	8.1	3.0	37.2	56.9	79.8	51.0
Seed Consultants	SCS 901Q	52	90	29766	33.5	21.3	40.3	8.2	2.7	33.2	57.1	95.0	57.0
Albert Lea - Viking	O.31-91	1	91	29113	31.2	17.3	35.3	8.0	3.0	38.2	57.4	83.2	52.6
Local Seed Company	LC9108 VT2PRIB	41	91	29766	32.5	19.6	38.5	8.3	3.0	35.3	55.3	80.1	50.5
<b>80-91 day</b>			<b>88</b>	<b>29835</b>	<b>33.1</b>	<b>19.2</b>	<b>37.9</b>	<b>8.3</b>	<b>3.0</b>	<b>36.0</b>	<b>56.3</b>	<b>82.1</b>	<b>51.7</b>

Table continued below

Company/Brand	Hybrid	Trait Code †	RM	Harvest	DM	Yield,	Starch	CP	Lignin	NDFom	30 hr	CNCPS	CNCPS
				Population	%	35% DM	% DM	% DM	% DM	% DM	NDF	Predicted	Predicted
				plants ac <sup>-1</sup>		tons ac <sup>-1</sup>	% DM	% DM	% DM	% DM	% NDF	lbs day <sup>-1</sup>	lbs day <sup>-1</sup>
Growmark FS	FS 4303X RIB	36	92	30710	31.0	17.0	35.8	8.2	3.0	37.5	56.6	83.5	52.6
Albert Lea - Viking	42-92	1	92	30056	31.7	22.9	36.0	7.7	3.1	37.9	55.3	75.5	49.2
Blue River Organic Seed	33A16	1	92	29984	31.9	20.5	37.9	8.0	3.0	36.2	56.1	88.1	54.2
Dekalb	DKC42-04RIB	36	92	30928	32.0	20.8	39.6	8.1	3.0	35.2	54.4	80.7	51.2
Channel	192-10STXRIB	36	92	31799	32.4	19.6	36.6	8.1	3.2	38.4	55.8	78.0	50.0
Pioneer	P9233Q	33	92	28532	33.5	19.8	38.3	8.2	2.9	35.2	55.5	87.8	54.3
Dekalb	DKC43-75RIB	42	93	30274	32.1	19.9	37.2	8.0	2.9	36.3	56.2	81.8	51.6
Seed Consultants	SCS 931AM	52	93	30347	33.7	22.0	39.3	8.6	2.9	34.5	55.2	83.0	52.2
Dekalb	DKC44-80RIB	42	94	30419	31.1	22.3	38.8	8.0	2.8	34.5	57.3	95.6	57.6
Local Seed Company	ZS9598 5222EZ	22	95	29113	30.1	22.7	35.8	8.6	3.1	35.8	54.8	70.1	46.2
Seed Consultants	SCS 951Q	33	95	29330	30.3	22.7	38.2	8.3	2.8	34.7	57.5	92.4	56.1
Masters Choice	MC4570	1	95	29911	30.7	17.2	35.5	8.8	3.2	36.5	53.8	65.8	44.7
Channel	195-85DGVT2PRIB	42	95	33251	31.0	21.5	38.4	7.6	3.1	35.4	54.5	78.3	50.2
King's AgriSeeds-KingFisher	KF 45C30	1	95	28532	31.2	21.3	40.5	8.1	2.6	33.7	57.6	99.0	58.8
Dekalb	DKC45-07RIB	36	95	29693	31.5	20.2	36.7	8.3	3.1	37.0	55.4	72.5	47.8
Seedway	SW 3770	16	95	30637	31.7	20.6	36.6	8.3	3.1	36.1	53.8	70.3	46.9
Brevant Seed	B95V86AM	5	95	29693	32.0	19.6	39.7	7.9	3.0	35.0	54.7	81.7	51.5
Seedway	SW 3768	36	95	29621	32.5	20.1	37.0	8.9	2.9	35.7	56.6	81.5	51.7
Syngenta	NK9535-3220	20	95	29984	32.7	18.5	37.6	8.2	2.9	35.2	56.2	84.1	52.6
		<b>92-95 day</b>	<b>94</b>	<b>30148</b>	<b>31.7</b>	<b>20.5</b>	<b>37.7</b>	<b>8.2</b>	<b>3.0</b>	<b>35.8</b>	<b>55.6</b>	<b>81.6</b>	<b>51.5</b>
		<b>LSD (0.10)</b>		<b>1578</b>	<b>1.9</b>	<b>2.8</b>	<b>3.2</b>	<b>0.4</b>	<b>0.3</b>	<b>2.7</b>	<b>NS</b>	<b>NS</b>	<b>NS</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