

## 2021 Non-GMO Corn Silage Performance Trial Summary

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

Non-GMO corn (84-114 day relative maturity) silage varieties in Alburgh, VT

Planting Date: 05-14-21

Harvest Dates: 09-14-21, 09-21-21, and 09-28-21



Company/Brand	Variety	Traits	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	% NDF	lbs day <sup>-1</sup>
Seedway, LLC	SW 2360	None	84	32452	42.9*	22.8	30.0	8.03	3.30	45.4	55.5	2773	22022
King's AgriSeed	KF 34C30	None	84	27116	39.5	18.1	28.4	8.80*	3.03	43.3	56.9	2978*	18925
King's AgriSeed	KF 40C30	None	90	29839	42.4*	21.6	29.8	8.10	3.00	44.9	58.1	2862	21627
King's AgriSeed	KF 43C40	None	93	30601	43.0*	25.4*	36.2	8.23	2.68	37.7	51.9	2857	25348
Seedway, LLC	SW 3937BMR	BMR	98	22760	46.8*	18.9	33.8	<b>9.23</b>	2.53	39.5	<b>62.0</b>	<b>3118</b>	20453
King's AgriSeed	KF 48C90	None	98	27443	47.4*	27.9*	36.9	7.68	2.70	39.2	56.7	2826	27686
King's AgriSeed	KF 51C50	None	101	33323	43.8*	25.8*	33.4	7.85	2.60	40.7	56.1	2814	25369
Seedway, LLC	SW 5410	None	104	31581	41.8*	27.9*	26.6	6.90	3.30	49.4	53.6	2624	25571
Seedway, LLC	SW 5440	None	106	28751	<b>48.2</b>	<b>28.6</b>	32.8	7.83	2.93	41.9	55.1	2725	27367
Seedway, LLC	SW 7000	None	114	28859	31.3	20.5	28.3	7.80	3.05	46.5	56.2	3109*	22352
<b>84-114 day</b>													
<b>‡LSD (0.10)</b>			<b>¥NS</b>	<b>NS</b>	<b>7.40</b>	<b>5.53</b>	<b>NS</b>	<b>0.731</b>	<b>NS</b>	<b>NS</b>	<b>3.27</b>	<b>209</b>	<b>NS</b>
<b>Overall Mean</b>			<b>97</b>	<b>29272</b>	<b>42.7</b>	<b>23.8</b>	<b>31.6</b>	<b>8.04</b>	<b>2.91</b>	<b>42.8</b>	<b>56.2</b>	<b>2869</b>	<b>23672</b>

‡LSD (0.10); least significant difference at the p=0.10. Top performing varieties are indicated in bold. Values with an asterisk\* did not vary significantly from the top performing variety.

¥NS = No significant statistical difference amongst the corn hybrids.