

Cornell **CALS**

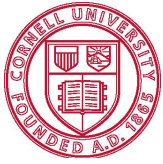
College of Agriculture
and Life Sciences

Cornell Cooperative Extension

2020 New York Hybrid Corn Grain Performance Trials



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Cornell University
Cooperative Extension

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TO: Persons interested in the grain yield performance of corn hybrids in New York

This report includes a summary of our 2020 commercial hybrid corn grain trials. It shows results from four locations in New York, divided into the following two maturity ranges:

	Base 50 Growing Degree Days	Relative Maturity
Early/Medium-early	1900-2300 GDD	75-95 Days
Medium	2300-2700 GDD	95-115 Days

This report is designed to aid seed company representatives, corn growers, and extension educators in evaluating hybrids for yield capacity, stalk and root strength, and maturity in various regions in New York. It also provides information for developing ratings for the [Cornell Guide for Integrated Field Crop Management](#).

While many hybrids included in this report are widely grown, others are new or experimental hybrids. In considering these tables, remember that this data represents only one year. Test results should be considered over several years before final conclusions are valid. Results gathered over several locations are a better guide than results at any one location.

We welcome comments or suggestions for improving this report for your use.

Sincerely yours,

A handwritten signature in blue ink that reads 'Margaret E. Smith'.

Margaret E. Smith
Extension Leader, Plant Breeding & Genetics

For information on entering hybrids in the 2021 trials, please contact Sherrie Norman at san9@cornell.edu or 607-255-1322 or Margaret Smith.

1/2021
PB&G2021-1

Building Strong and Vibrant New York Communities

Cornell Cooperative Extension provides equal program and employment opportunities. NYS College of Agriculture and Life Sciences, NYS College of Human Ecology, and NYS College of Veterinary Medicine at Cornell University, Cooperative Extension associations, county governing bodies, and U.S. Department of Agriculture, cooperating.

2020 Growing Conditions

New York's 2020 corn growing season was generally warmer and dryer than long-term averages. Most locations had average weather during planting, with our own local weather in Aurora being an exception due to high precipitation totals for May. Dry conditions were common in June throughout the state, but July rainfall in many locations was high and helped the crop recover from this stress. Some NY locations never saw this rainfall relief (our Madrid and Tioga locations, for example) and remained quite dry throughout the growing season. Growing degree day accumulation was relatively typical during most of the growing season, although July was warmer than long term averages in most areas of the state. The warm July combined with slightly above average heat unit accumulations in other months led to season-long heat accumulation that was about 5% higher than the long-term averages. Corn grain yield in NY was a record-high 166 bu/A for 2020, beating the previous record (161 bu/A in 2017) by 5 bu/A. Yields for the last four years have been notably higher than previously, with 2017 through 2020 averaging 161 bu/acre while the average for the preceding 10-year period (2007 to 2016) was only 138 bu/acre in the state. Leaf disease pressure was not high in 2020. Some gray leaf spot was found in high-humidity river valley areas.

Testing Procedures

Regional test locations for 2020 are shown on page –iii-. Tests were planted in 1/500 acre plots with three replications per location. All sites were machine planted and combine harvested. Grain weight and grain moisture percentage for each plot were measured electronically on the combine. Grain yields were calculated in bu/acre at 15.5% moisture. Our Madrid location was extensively damaged by animal feeding such that data could not be collected. Thus, Madrid data are missing this year.

Yield Moisture Ratio

We have included a yield to moisture ratio (**Y/M Ratio**), which is the grain yield in bu/acre divided by the percentage grain moisture at harvest. Some breeders use this number as an estimate of hybrid efficiency. Hybrids that show high yields and earlier maturity (lower grain moistures) have higher Y/M ratios.

Stalk Lodging and Root Lodging

At harvest time, we counted the number of stalks broken (or lodged) below the ear. This number was expressed as a proportion of the total number of plants in the plot (**% Stalk Ldg**). We also counted plants leaning over from the base at more than a 45° angle as root lodged, and then expressed this number as a proportion of the total number of plants in the plot (**% Root Ldg**).

Stay green, Leaf Disease Ratings

Data were collected on these traits at locations where expression was uniform across the field and, for diseases, where disease pressure was sufficient. Stay green (**Stay Grn**) is a measure of how much green leaf area remains on plants through September; 5 = completely dry plants and 1 = completely green plants. Gray leaf spot resistance (**Gray Leaf Spot**) was rated using a scale where 5 = completely susceptible (plant dead due to disease) and 0 = no disease apparent.

CV, LSD, SD

We use three statistics to evaluate the quality of the data from these experiments. The coefficient of variation (**CV**) is a measure of the amount of uncontrolled variability due to differences in the soil, microclimate, fertility, etc. Grain yield CVs below 12 are excellent; those ranging up to 15 are considered acceptable. Grain moisture CVs below 5 are excellent. The least significant difference (**LSD**) is computed at the 5% level of probability. If a difference between two hybrids is larger than the LSD listed for the trial, then the odds are at least 95 to 5 (or 19 to 1) that there is true varietal difference between the hybrids or, as the statisticians say, the difference between the two hybrids is "significant." Farmers who need businessmen's odds more than statistical precision may consider a 10 bu/acre grain yield difference sufficient to guide a decision in choice of hybrid. The standard deviation (**SD**) is the measure used to determine whether the differences between two hybrids are large enough, given the precision of that experiment, to be significant and probably due to true differences between the hybrids.

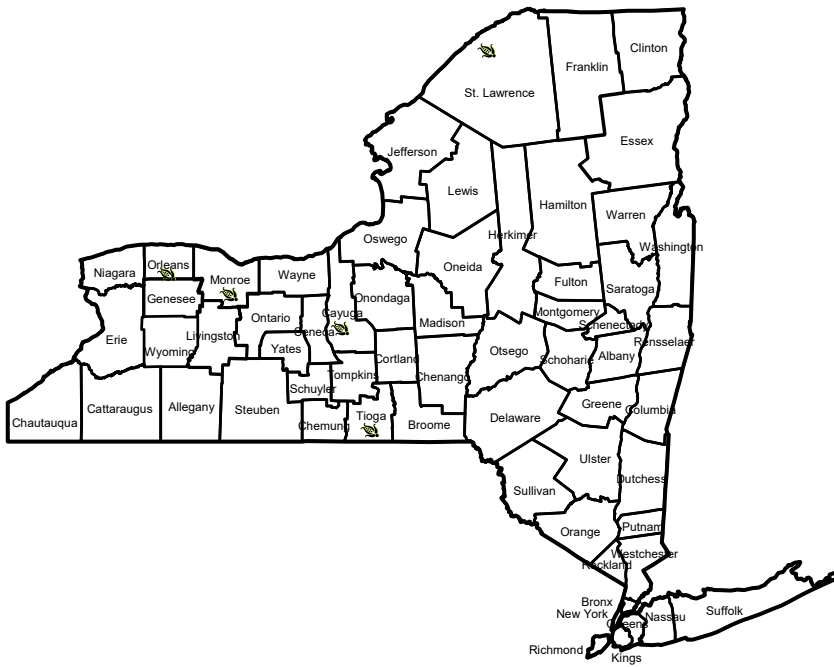
Acknowledgments

Financial support from the seed companies entering hybrids in these tests is gratefully acknowledged. We also acknowledge support from USDA-NIFA Smith Lever Project 1497603, USDA-NIFA Hatch Project 1497404, and the Cornell University Agricultural Experiment Station.

**NOTE: TABLES IN THIS PUBLICATION SHOULD NOT BE REPRODUCED
IF ANY PORTION IS OMITTED OR IF ORDER OF DATA IS CHANGED.**

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2020 Trial Locations



2020 Cooperators

Early/Medium-Early Grain Series

County	Cornell Cooperative Extension		Cooperator	Location
	Local Contact			
Orleans	Mike Stanyard		Mike & Cindy Van Lieshout	Albion
Tioga	Janice Degni		Craig Strong	Tioga
St. Lawrence	Kitty O'Neil		Jon Greenwood	Madrid

Medium Grain Series

County	Cornell Cooperative Extension		Cooperator	Location
	Local Contact			
Cayuga	Keith Severson		Paul Stachowski	Aurora
Tioga	Janice Degni		Craig Strong	Tioga
Monroe	Mike Stanyard		Mark Greene	Pittsford

2020 Participating Companies

Company/Brand	Contact for Information	Address & Phone
Albert Lea Seed Viking Brand www.alseed.com	Matt Leavitt leavitt@alseed.com	1414 W. Main, PO Box 127 Albert Lea, MN 56007 Phone: 800-352-5247
Blue River Organic Seed www.blueriverorgseed.com	RJ Krekeler & Matt Nielsen rkrekeler@farmersbusinessnetwork.com matt@blueriverorgseed.com	2326 230 th Street Ames, IA 50014 Phone: 515-239-5925
Local Seed Co. www.localseed.com info@localseed.com	Doug Messersmith doug.messersmith@localseed.com Phone: 570-419-3692	802 Rozelle Street Memphis, TN 38104 Phone: 901-260-6000
Nutrien Ag Solutions Dyna-Gro Brand www.nutrienagsolutions.com	Tom Barber tom.barber@nutrien.com	Northeast Division Office 1173 Pittsford-Victor Rd, Suite 110 Pittsford, NY 14534 Phone: 585-586-1330
Seed Consultants, Inc. www.seedconsultants.com	Jordan Bassler jordan.bassler@seedconsultants.com Phone: 570-980-3906	648 Miami Trace Rd SW, PO Box 370 Washington Court House, OH 43160 Phone: 800-708-2676
Mycogen Seed www.corteva.com	Travis Keene travis.keene@brevant.com	Walkersville, MD 21793 Phone: 240-674-3756

2020 Entries

Company/Brand	Maturity Group*	Hybrid	Relative Maturity	Genetically Engineered Traits**	Seed Treatment**
Albert Lea Seed/Viking Brand	1	Viking 42-92P	92	Conventional	Cruiser 250
Albert Lea Seed/Viking Brand	1	Viking O.84-95UP	95	Conventional	Cruiser 250
Albert Lea Seed/Viking Brand	1	Viking O.52-96P	96	Conventional	Cruiser 250
Albert Lea Seed/Viking Brand	2	Viking O.46-02P	102	Conventional	Cruiser 250
Albert Lea Seed/Viking Brand	2	Viking O.51-04P	104	Conventional	Cruiser 250
Albert Lea Seed/Viking Brand	2	Viking O.18-06P	106	Conventional	Cruiser 250
Blue River Organic Seed	1	14A91	82	None	Maxim XL
Blue River Organic Seed	1	26B78	88	None	Maxim XL
Blue River Organic Seed	1	30K84	90	None	Maxim XL
Blue River Organic Seed	1	33A16	92	None	Maxim XL
Blue River Organic Seed	1	38G54	96	None	Maxim XL
Blue River Organic Seed	1	42C87	98	None	Maxim XL
Blue River Organic Seed	2	48G35	102	None	Maxim XL
Blue River Organic Seed	2	51T59	103	None	Maxim XL
Blue River Organic Seed	2	54C27	105	None	Maxim XL
Blue River Organic Seed	2	57A30	107	None	Maxim XL
Local Seed Company	1	LC8597 VT2PRIB	85	VT2P	Radius 500
Local Seed Company	1	LCX91-20 VT2PR	91	VT2P	Radius 500
Local Seed Company	1	ZS9598 5222EZ	95	Agrisure 5222	Radius 500
Local Seed Company	1	ZS9796 3220EZ	97	Agrisure 3220	Radius 500
Local Seed Company	1	LC9888 VT2PRIB	98	VT2P	Radius 500
Local Seed Company	2	LC0297 SSXRIB	102	SSX	Radius 500
Local Seed Company	2	LC0488 VT2RIB	104	VT2P	Radius 500
Local Seed Company	2	LC0999 VT2RIB	109	VT2P	Radius 500
Mycogen Seeds	1	8528Q	85	Qrome	Lumigen
Mycogen Seeds	1	8730Q	87	Qrome	Lumigen
Mycogen Seeds	1	9020Q	90	Qrome	Lumigen
Mycogen Seeds	1	9105AM	91	Optimum Acre Max	Lumigen
Mycogen Seeds	1	9208AM	92	Optimum Acre Max	Lumigen
Mycogen Seeds	1	0470Q	94	Qrome	Lumigen
Mycogen Seeds	1	0526AM	95	Optimum Acre Max	Lumigen
Mycogen Seeds	1	9709Q	97	Qrome	Lumigen
Mycogen Seeds	1	0860Q	98	Qrome	Lumigen
Mycogen Seeds	1	9908AM	99	Optimum Acre Max	Lumigen
Nutrien Ag Solutions/Dyna-Gro Brand	1	D39VC40	99	VT2PRO	A500-Acceleron 500
Nutrien Ag Solutions/Dyna-Gro Brand	1	D40VC41	100	VT2PRO	A500-Acceleron 500
Nutrien Ag Solutions/Dyna-Gro Brand	2	D45TC55	105	TRECEPTA	A500-Acceleron 500
Seed Consultants	1	SCS 851AM	85	AM/LL/RR	P/V 500
Seed Consultants	1	SCS 901Q	90	Q/LL/RR	P/V 500
Seed Consultants	1	SCS 931Q	93	AM/LL/RR	P/V 500
Seed Consultants	1	SCS951Q	95	Q/LL/RR	P/V 500
Seed Consultants	1	SCS 870Q	98	AM/LL/RR	P/V 500
Seed Consultants	2	SCS 1018YHR	101	YHR/LL/RR	P/V 500
Seed Consultants	2	SCS1030AM	103	AM/LL/RR	P/V 500

* 1 = Early/Medium-early; 2 = Medium

** Trait abbreviations and Seed treatments are as provided by each seed company

**Table 1. 2020 Early/Medium-Early Maturity Hybrids Trial Summary
(Albion, Tioga)**

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg
Mycogen Seeds	9020Q	179	17.3	10.3	1	0
Mycogen Seeds	8528Q	141	17.5	8.1	3	3
Seed Consultants	SCS 851AM	136	18.4	7.4	2	3
Blue River Organic Seed	26B78	157	19.0	8.3	3	3
Seed Consultants	SCS 870Q	148	19.0	7.8	1	3
Albert Lea Seed/Viking	Viking O.84-95UP	172	19.2	9.0	7	3
Mycogen Seeds	9208AM	160	19.4	8.2	2	0
Seed Consultants	SCS 901Q	128	19.4	6.6	1	0
Nutrien Ag Solutions/Dyna-Gro Brand	D39VC40	191	19.5	9.8	2	0
Albert Lea Seed/Viking	Viking 42-92P	166	19.5	8.5	4	3
Seed Consultants	SCS 931Q	173	19.5	8.9	1	3
Local Seed Company	LC8597 VT2PRIB	149	19.6	7.6	1	3
Mycogen Seeds	0470Q	192	19.7	9.7	0	3
Local Seed Company	LCX91-20 VT2PRIB	166	19.8	8.4	0	3
Blue River Organic Seed	30K84	173	20.0	8.7	3	3
Blue River Organic Seed	38G54	173	20.0	8.7	3	1
Local Seed Company	ZS9598 5222EZ	157	20.0	7.9	2	3
Mycogen Seeds	8730Q	175	20.1	8.7	1	3
Mycogen Seeds	0860Q	172	20.1	8.6	1	3
Blue River Organic Seed	33A16	163	20.1	8.1	6	3
Seed Consultants	SCS 951Q	183	20.2	9.1	0	3
Local Seed Company	LC9888 VT2PRIB	172	20.2	8.5	1	3
Albert Lea Seed/Viking	Viking O.52-96P	183	20.5	8.9	2	0
Mycogen Seeds	9709Q	186	21.1	8.8	0	0
Blue River Organic Seed	42C87	184	21.5	8.6	3	3
Local Seed Company	ZS9796 3220EZ	185	21.9	8.4	1	3
Nutrien Ag Solutions/Dyna-Gro Brand	D40VC41	193	22.3	8.7	1	2
Mycogen Seeds	0526AM	190	22.6	8.4	1	3
	MEAN	170	20	9	2	2
	S.D.	18	1.0			
	C.V.	10.4	5.0			
	LSD(.05)	22	1.2			

Table 2. 2020 Early/Medium-Early Maturity Hybrids, Albion, Orleans County, Western NY

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg	% Stay Grn	Planted:		Harvested:		
								May 20	2020	Nov 4	2020	
Mycogen Seeds	8528Q	163	18.5	8.8	0	0	1.8	86/50				
Mycogen Seeds	9020Q	218	18.5	11.8	0	1	1.8	Growing		Rainfall		
Seed Consultants	SCS 851AM	158	19.3	8.2	0	0	1.5	Degree Days		(Inches)		
Blue River Organic Seed	14A91	177	19.5	9.1	1	1	1.5	2020	Ave.	2020	Ave.	
Seed Consultants	SCS 870Q	170	20.5	8.3	1	0	1.7	May	275	332	2.2	3.0
Albert Lea Seed/Viking	Viking O.84-95UP	205	20.7	9.9	0	0	1.5	June	562	523	1.3	3.0
Local Seed Company	LC8597 VT2PRIB	167	20.8	8.2	0	0	1.5	July	780	661	6.5	3.1
Blue River Organic Seed	26B78	197	20.8	9.5	0	0	0.7	Aug	649	619	3.3	3.1
Seed Consultants	SCS 931Q	206	20.9	9.8	0	0	1.3	Sept	412	420	2.6	3.6
Blue River Organic Seed	38G54	215	20.9	10.3	0	2	1.0	Oct	211	197	2.7	3.1
Mycogen Seeds	9208AM	180	21.2	8.6	0	1	1.0					
Albert Lea Seed/Viking	Viking 42-92P	203	21.2	9.6	0	0	1.5	Total	2889	2752	18.6	18.8
Mycogen Seeds	0470Q	223	21.2	10.5	0	0	0.5	% Norm	105		99	
Nutrien Ag Solutions/Dyna-Gro Brand	D39VC40	232	21.3	10.9	0	1	1.0	Departure	137		-0.3	
Mycogen Seeds	9105AM	166	21.8	7.6	0	0	1.0					
Seed Consultants	SCS 951Q	216	21.8	9.9	0	0	0.5					
Mycogen Seeds	8730Q	206	21.9	9.4	0	0	0.2					
Seed Consultants	SCS 901Q	158	22.0	7.2	0	1	0.5					
Local Seed Company	ZS9598 5222EZ	193	22.1	8.8	0	0	1.0					
Local Seed Company	LCX91-20 VT2PRIB	203	22.1	9.2	0	0	0.7					
Blue River Organic Seed	33A16	196	22.3	8.9	0	0	1.2					
Mycogen Seeds	0860Q	202	22.4	9.0	0	0	1.0					
Blue River Organic Seed	30K84	207	22.43	9.3	1	0	0.3					
Local Seed Company	LC9888 VT2PRIB	195	22.63	8.6	0	0	0.5					
Albert Lea Seed/Viking	Viking O.52-96P	230	22.77	10.2	0	1	1.5					
Mycogen Seeds	9908AM	210	23.43	9.0	0	0	0.5					
Mycogen Seeds	9709Q	225	23.87	9.4	0	1	0.3					
Blue River Organic Seed	42C87	229	24.3	9.4	0	0	0.2					
Local Seed Company	ZS9796 3220EZ	219	24.83	8.8	1	0	0.8					
Nutrien Ag Solutions/Dyna-Gro Brand	D40VC41	234	24.9	9.4	1	4	0.8					
Mycogen Seeds	0526AM	233	25.1	9.3	0	0	0.2					
		MEAN	201	21.8	9.3	0	0	0.9				
		S.D.	19	1.1								
		C.V.	9.5	5.0								
		LSD(.05)	31	1.8								

Table 3. 2020 Early/Medum-Early Maturity Hybrids, Tioga, Tioga County, Southern Tier NY

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg	Stay Grn	Gray Leaf Spot	Planted:		Harvested:		
									May 12 2020	Nov 3 2020	May 12 2020	Nov 3 2020	
Mycogen Seeds	9020Q	120	15.6	7.7	2	0	2.5	2.3	86/50				
Seed Consultants	SCS 901Q	84	15.6	5.4	3	0	2.8	2.8	Growing		Rainfall		
Mycogen Seeds	8528Q	109	15.9	6.8	7	0	2.8	3.3	Degree Days		(Inches)		
Blue River Organic Seed	30K84	122	16.3	7.5	6	0	1.8	0.5					
Local Seed Company	LCX91-20 VT2PRIB	110	16.3	6.8	1	0	1.8	1.0					
Blue River Organic Seed	26B78	97	16.4	5.9	8	0	2.0	1.8	May	338	350	3.2	3.1
Nutrien Ag Solutions/Dyna-Gro Brand	D39VC40	130	16.7	7.7	6	0	1.8	0.8	June	527	535	1.8	4.2
Local Seed Company	LC9888 VT2PRIB	138	16.7	8.3	3	0	1.3	0.5	July	733	639	2.2	3.6
Mycogen Seeds	9208AM	131	16.8	7.8	0	0	2.5	1.8	Aug	650	619	3.3	3.2
Mycogen Seeds	0860Q	127	16.8	7.6	2	0	2.0	1.8	Sept	435	421	1.3	3.4
Blue River Organic Seed	33A16	112	16.8	6.7	15	0	2.5	3.0	Oct	199	174	2.9	3.1
Seed Consultants	SCS 870Q	115	16.8	6.8	1	0	2.0	2.3	Total	2882	2737	14.8	20.7
Albert Lea Seed/Viking	Viking 42-92P	110	16.9	6.5	11	0	2.3	1.5	% Norm	105		71	
Mycogen Seeds	9709Q	128	16.9	7.6	1	0	1.8	1.0	Departure	146		-5.9	
Albert Lea Seed/Viking	Viking O.84-95UP	122	16.9	7.2	16	0	2.3	1.0					
Seed Consultants	SCS 851AM	103	17.0	6.1	4	0	1.8	1.8					
Albert Lea Seed/Viking	Viking O.52-96P	114	17.0	6.7	4	0	2.3	1.3					
Local Seed Company	ZS9598 5222EZ	103	17.0	6.1	0	0	1.8	1.3					
Blue River Organic Seed	42C87	117	17.3	6.7	7	0	1.3	0.5					
Mycogen Seeds	0470Q	146	17.4	8.4	1	0	2.0	0.8					
Mycogen Seeds	8730Q	128	17.4	7.4	2	0	1.3	1.0					
Seed Consultants	SCS 931Q	123	17.4	7.1	2	0	2.8	2.8					
Local Seed Company	ZS9796 3220EZ	135	17.5	7.7	1	0	1.8	0.8					
Seed Consultants	SCS 951Q	132	17.8	7.4	1	0	2.0	0.8					
Local Seed Company	LC8597 VT2PRIB	122	17.9	6.9	3	0	2.0	1.5					
Nutrien Ag Solutions/Dyna-Gro Brand	D40VC41	131	18.5	7.1	3	0	1.8	0.5					
Blue River Organic Seed	38G54	110	18.5	6.0	7	0	1.8	2.0					
Mycogen Seeds	0526AM	126	18.7	6.7	2	0	1.0	0.5					
	MEAN	119	17.0	7.0	4	0	2.0	1.4					
	S.D.	15	0.7										
	C.V.	12.5	4.4										
	LSD(.05)	31	1.5										

**Table 4. 2020 Medium Maturity Hybrids Trial Summary
(Pittsford, Aurora)**

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg
Local Seed Company	LC0488 VT2RIB	232	20.7	11.2	1	0
Seed Consultants	SCS 1030AM	225	21.4	10.5	0	0
Local Seed Company	LC0297 SSXRIB	237	21.7	10.9	0	0
Nutrien Ag Solutions/Dyna-Gro Brand	D45TC55	229	21.8	10.5	0	0
Blue River Organic Seed	51T59	211	21.8	9.7	0	0
Seed Consultants	SCS 1018YHR	222	22.0	10.1	0	0
Albert Lea Seed/Viking	Viking O.18-06P	213	22.4	9.5	5	0
Blue River Organic Seed	48G35	237	22.4	10.6	0	0
Blue River Organic Seed	57A30	217	22.4	9.7	0	0
Albert Lea Seed/Viking	Viking O.51-04P	224	22.5	9.9	0	0
Blue River Organic Seed	54C27	226	22.7	10.0	2	0
Albert Lea Seed/Viking	Viking O.46-02P	235	22.7	10.4	0	0
Local Seed Company	LC0999 VT2RIB	238	23.4	10.2	0	0
	MEAN	227	22.2	10.2	1	0
	S.D.	16	1.2			
	C.V.	7.0	5.3			
	LSD(.05)	18	1.4			

Table 5. 2020 Medium Maturity Hybrids, Pittsford, Monroe County, Western NY

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg	Planted:		Harvested:		
							May 26 2020	May 26 2020	Nov 4 2020	Nov 4 2020	
Local Seed Company	LC0488 VT2RIB	273	21.1	12.9	1	0	86/50				
Seed Consultants	SCS 1030AM	285	22.1	12.9	0	0	Growing		Rainfall		
Albert Lea Seed/Viking	Viking O.46-02P	290	22.6	12.8	0	0	Degree Days		(Inches)		
Local Seed Company	LC0297 SSXRIB	295	23.2	12.7	0	0	2020	Ave.	2020	Ave.	
Albert Lea Seed/Viking	Viking O.51-04P	265	23.5	11.3	1	0	May	289.0	323	1.9	2.9
Blue River Organic Seed	51T59	262	23.6	11.1	0	0	June	554	508	1.5	3.3
Albert Lea Seed/Viking	Viking O.18-06P	259	23.7	11.0	4	0	July	775	653	5.5	3.3
Blue River Organic Seed	57A30	266	23.7	11.2	0	0	Aug	637	605	2.7	3.5
Blue River Organic Seed	48G35	290	23.9	12.1	0	0	Sept	407	394	2.3	3.4
Nutrien Ag Solutions/Dyna-Gro Brand	D45TC55	293	24.0	12.3	0	0	Oct	151	185	2.8	2.7
Seed Consultants	SCS 1018YHR	289	24.0	12.1	0	0					
Blue River Organic Seed	54C27	287	25.0	11.5	0	0	Total	2813	2668	16.7	19.1
Local Seed Company	LC0999 VT2RIB	303	25.9	11.7	0	0	% Norm	105		87	
							Departure	145		-2.5	
	MEAN	281	23.6	12.0	0	0					
	S.D.	19	1.2								
	C.V.	6.6	5.0								
	LSD(.05)	31	2.0								

Table 6. 2020 Medium Maturity Hybrids, Aurora, Cayuga County, Central NY

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg	Stay Grn	Planted:		Harvested:		
								May 13 2020	May 13 2020	Oct 23 2020	Oct 23 2020	
Nutrien Ag Solutions/Dyna-Gro Brand	D45TC55	165	19.7	8.4	0	1	3.5	86/50				
Blue River Organic Seed	51T59	159	20.0	8.0	0	0	3.5	Growing		Rainfall		
Seed Consultants	SCS 1018YHR	155	20.1	7.7	0	0	3.0	Degree Days		(Inches)		
Local Seed Company	LC0297 SSXRIB	178	20.2	8.8	0	0	3.2	2020	Ave.	2020	Ave.	
Local Seed Company	LC0488 VT2RIB	192	20.3	9.5	0	0	3.5	May	302	315	4.4	3.2
Blue River Organic Seed	54C27	165	20.4	8.1	5	0	3.3	June	536	498	1.9	3.8
Seed Consultants	SCS 1030AM	164	20.8	7.9	0	0	2.8	July	730	632	5.7	3.5
Blue River Organic Seed	48G35	184	20.9	8.9	1	0	2.5	Aug	625	591	1.8	3.2
Local Seed Company	LC0999 VT2RIB	173	21.0	8.3	0	0	3.3	Sept	393	398	1.9	4.0
Blue River Organic Seed	57A30	167	21.1	7.9	0	0	3.0	Oct	154	179	3.6	3.4
Albert Lea Seed/Viking	Viking O.18-06P	166	21.1	7.9	7	0	3.2					
Albert Lea Seed/Viking	Viking O.51-04P	182	21.5	8.5	0	0	2.8	Total	2740	2613	19.3	21.0
Albert Lea Seed/Viking	Viking O.46-02P	181	22.9	7.9	1	0	2.3	% Norm	105		92	
								Departure	127		-1.7	
	MEAN	172	20.7	8.3	1	0	3.1					
	S.D.	13	1.2									
	C.V.	7.7	5.9									
	LSD(.05)	23	2.1									

Table 7. 2020 Medum Maturity Hybrids, Tioga, Tioga County, Southern Tier NY

Brand	Hybrid	Yield Bu/A	% Mois ture	Y/M Ratio	% Stalk Ldg	% Root Ldg	Stay Grn	Gray Leaf Spot		Planted:	Harvested:		
										May 12 2020	Nov 3 2020	2020	Ave.
Blue River Organic Seed	51T59	103	17.4	6.0	4	0	2.0	2.3		86/50			
Seed Consultants	SCS 1018YHR	135	17.8	7.6	0	0	2.0	1.3		Growing	Rainfall		
Albert Lea Seed/Viking	Viking O.51-04P	112	17.9	6.3	11	0	2.3	2.5		Degree Days	(Inches)		
Blue River Organic Seed	48G35	127	18.0	7.1	4	0	1.3	0.5					
Local Seed Company	LC0297 SSXRIB	154	18.0	8.5	0	0	1.8	0.8	May	338	350	3.2	3.1
Seed Consultants	SCS 1030AM	145	18.2	8.0	2	1	1.5	1.0	June	527	535	1.8	4.2
Albert Lea Seed/Viking	Viking O.46-02P	124	18.3	6.8	1	0	1.3	0.8	July	733	639	2.2	3.6
Nutrien Ag Solutions/Dyna-Gro Brand	D45TC55	163	18.7	8.7	1	0	1.3	0.8	Aug	650	619	3.3	3.2
Blue River Organic Seed	54C27	92	18.7	5.0	2	0	1.8	1.5	Sept	435	421	1.3	3.4
Local Seed Company	LC0999 VT2RIB	120	18.9	6.4	1	0	1.8	0.8	Oct	199	174	2.9	3.1
Local Seed Company	LC0488 VT2RIB	128	19.5	6.7	3	0	1.8	0.5					
Albert Lea Seed/Viking	Viking O.18-06P	74	19.6	3.8	7	0	1.3	0.8	Total	2882	2737	14.8	20.7
Blue River Organic Seed	57A30	99	20.4	4.8	17	0	1.3	0.8	% Norm	105		71	
									Departure	146		-5.9	
	MEAN	121	18.5	6.6	4	0	1.6	1.1					
	S.D.	25	0.8										
	C.V.	20.2	4.6										
	LSD(.05)	53	1.8										