

**2016 New York Alfalfa Yield Trials; Cornell University;**  
**School of Integrative Plant Science, Plant Breeding and Genetics Section**

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Alfalfa Trial Protocol and Notes:

Alfalfa and other forage trials are planted in New York each spring. Trials planted in Ithaca NY on the Cornell University Experiment Station each year are to test conventional trial entries, roundup ready trial entries, and insect resistant entries. A field day is held in Ithaca each year either just before or just after July 4th. A conventional entry trial is also planted at a second location that is 100 miles or more away from Ithaca. These locations are on commercial farms, at State University of New York College farms, or at William H. Miner Institute Agricultural Research Institute in Northern New York.

Trials are seeded with a 6 row seeder and harvested with a Carter Harvester with a 1 meter cutting width head. The trials are planted in randomized complete block designs if the number of trial entries are 8 or less. If there are 9 or more trial entries, then the trial design is an incomplete block design. All trials are planted with 5 or 6 replicates. Trials are harvested 3 or 4 times each year. At each harvest, one third to one fifth of the plots are sampled for dry matter determination. A digital hanging scale is used to measure plot weights. A portable platform scale is used to weigh the samples taken for dry matter determination. Samples are oven dried for 7 days at 55 degrees C.

Trial applications and summaries are found at:

<http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>

2016 Notes:

The winter 2015/16 was very mild with low snow cover. In Spring 2016, the trials were planted in May. New seedings are well established with excellent stands going into the fall. New York had from severe drought conditions much of the summer and yields in 2016 are lower than normal. The drought started at the end of June and has persisted into November. See drought monitor maps at:<http://droughtmonitor.unl.edu/MapsAndData/MapArchive.aspx>

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**2016 New York Alfalfa Yield Trials**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2013

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2015 Total t/a	2014 Total t/a	3-Yr Total t/a	% Stand 5-Oct-16	% of Checks Mean	
	15-Jun	19-Jul	14-Sep						2016	3-Yr
	Total	Total	Total						Total	Total
55V50	2.69	0.62	1.30	4.60	5.58	6.47	16.63	70	111	120
DSD02-T*	2.72	0.72	1.37	4.80	5.46	6.27	16.52	66	115	119
DSD05-T*	2.70	0.63	1.41	4.74	5.43	6.27	16.44	69	114	119
DSD01-T*	2.75	0.75	1.54	5.01	5.31	6.06	16.42	69	121	119
DSD04-T*	2.91	0.68	1.48	5.04	5.29	6.11	16.39	67	121	118
DSD06-M*	2.84	0.69	1.43	4.93	5.25	6.04	16.28	66	118	118
FSG 403LR	2.60	0.66	1.42	4.68	5.15	6.01	15.81	70	112	114
55Q27	2.72	0.68	1.30	4.69	5.21	5.87	15.73	71	113	114
L 455HD	2.64	0.76	1.34	4.74	5.30	5.73	15.69	69	114	113
EZRA	2.70	0.65	1.41	4.76	4.98	5.81	15.57	69	114	112
DSD07-M*	2.64	0.63	1.42	4.72	4.98	5.81	15.53	64	113	112
SHOCKWAVE BR*	2.55	0.54	1.29	4.39	5.00	5.99	15.41	64	106	111
FSG 329	2.66	0.64	1.42	4.73	5.08	5.61	15.39	65	114	111
Seedway 9558 SBR	2.56	0.64	1.32	4.52	5.07	5.51	15.09	64	109	109
FSG 424	2.55	0.72	1.28	4.56	5.03	5.44	15.08	67	110	109
DG 4210	2.46	0.64	1.30	4.42	5.08	5.46	15.03	70	106	109
FSG 408DP	2.56	0.61	1.38	4.52	4.87	5.56	14.97	64	109	108
N-R-GEE	2.66	0.65	1.33	4.63	4.84	5.37	14.91	68	111	108
55H94	2.20	0.48	1.14	3.83	4.93	5.89	14.62	65	92	106
LS 905*	2.55	0.67	1.33	4.57	4.73	5.24	14.54	69	110	105
OPTIMUS*	2.55	0.64	1.32	4.53	4.80	5.21	14.44	67	109	104
DKA41-18RR	2.52	0.62	1.33	4.46	4.66	5.20	14.31	67	107	103
5312	2.36	0.53	1.26	4.14	4.62	5.40	14.14	63	99	102
VERNAL	2.34	0.52	1.33	4.23	4.61	5.21	14.02	56	102	101
FSG 524	2.15	0.56	1.22	3.95	4.80	5.04	13.76	65	95	99
ONEIDA VR	2.30	0.52	1.27	4.11	4.29	4.87	13.37	64	99	97
									Check Mean	
Mean	2.56	0.63	1.33	4.52	4.99	5.60	15.11	67	4.16	13.84
5% LSD	0.23	0.10	1.10	0.37	0.39	0.41	0.98	5		
CV (%)	7.3	12.6	5.8	6.5	6.2	5.8	5.2	5.6		

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

\*EXPERIMENTAL ENTRIES

Overall means are for 32 trial entries.

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**2016 New York Alfalfa Yield Trials**

Branton Farms, LeRoy, Genesee County, Western New York

Sown July 2013

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)				2016 Total t/a	2015 Total t/a	2014 Total t/a	3-Yr Total t/a	% Stand 11/18/2015	% of Checks Mean	
	2-Jun	4-Jul	16-Aug	5-Oct						2016 Total	3-Yr Total
Profusion 2HX*	3.22	0.92	1.03	1.61	6.77	7.97	5.30	20.04	91	126	122
msSunstra-D17*	3.13	0.96	0.99	1.55	6.64	7.95	5.42	20.02	90	124	122
55V50	3.22	1.04	1.10	1.41	6.77	7.84	5.12	19.69	93	126	120
msSunstra-D16*	3.18	1.02	1.11	1.63	6.94	7.48	5.20	19.60	90	130	119
msSunstra-D15*	3.06	0.99	1.08	1.57	6.69	7.64	5.22	19.55	93	125	119
FSG 424	3.19	1.17	1.17	1.37	6.90	7.79	4.78	19.47	91	129	118
msSunstra-D11*	2.97	0.98	1.06	1.56	6.56	7.67	5.24	19.46	90	122	118
msSunstra-D13*	3.01	1.04	0.95	1.45	6.46	7.57	5.04	19.10	90	121	116
55Q27	2.93	1.04	1.08	1.43	6.49	7.63	4.96	19.09	93	121	116
FSG 403LR	2.98	0.98	1.06	1.44	6.47	7.41	5.14	19.02	91	121	116
DG 4210	3.09	1.04	1.02	1.37	6.55	7.52	4.86	18.96	92	122	115
FSG 524	2.82	1.08	1.05	1.27	6.21	7.31	4.81	18.35	95	116	112
EZRA	2.81	0.92	0.83	1.31	5.86	7.11	4.85	17.81	88	109	108
N-R-GEE	2.79	0.90	0.76	1.22	5.67	6.92	5.07	17.67	89	106	107
Seedway 9558 SBR	2.74	0.80	0.70	1.27	5.50	6.99	4.98	17.46	89	103	106
ONEIDA VR	2.66	0.92	0.84	1.31	5.73	6.44	4.90	17.07	88	107	104
5312	2.60	0.79	0.80	1.23	5.42	6.53	4.75	16.68	87	101	101
55H94	2.45	0.80	0.81	1.13	5.19	6.44	4.73	16.38	91	97	100
VERNAL	2.33	0.69	0.74	1.18	4.95	6.01	4.66	15.61	82	92	95
Mean	2.83	0.92	0.89	1.33	5.98	7.13	4.94	18.04	89	5.36	16.45
5% LSD	0.25	0.12	0.13	0.09	0.46	0.51	0.35	1.06	3		
CV (%)	7.6	11.2	13.1	5.9	6.8	6.3	6.1	5.1	3.1		

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

\*EXPERIMENTAL ENTRIES

Overall means are for 25 trial entries.

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**2016 New York Alfalfa Yield Trials**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2014

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2015 Total t/a	2-Yr Total t/a	% Stand 5-Oct-16	% of Checks Mean	
	9-Jun	13-Jul	26-Aug					2016 Total	2-Yr Total
55V50	3.16	1.01	1.66	5.84	5.91	11.74	90	125	123
AFXH134092*	2.90	1.04	1.71	5.66	5.79	11.46	84	121	120
AFXH134090*	2.80	0.98	1.62	5.41	5.72	11.13	84	116	117
AFXH134091*	2.80	1.01	1.63	5.44	5.56	11.00	84	117	115
55Q27	2.84	1.03	1.60	5.47	5.25	10.72	88	117	113
MASKA	2.85	0.93	1.51	5.30	5.32	10.63	85	114	112
REGEN	2.83	0.85	1.52	5.20	5.18	10.39	85	112	109
EZRA	2.74	0.91	1.52	5.16	5.19	10.35	85	111	109
BRADOR	2.65	0.85	1.53	5.03	5.24	10.27	82	108	108
DKA41-18RR	2.69	0.99	1.51	5.18	5.00	10.18	86	111	107
GA-409	2.57	0.93	1.54	5.04	5.11	10.15	86	108	107
Seedway 9558 SBR	2.63	0.84	1.45	4.91	5.20	10.11	84	105	106
55H94	2.54	0.80	1.28	4.63	5.46	10.08	83	99	106
5312	2.56	0.76	1.39	4.70	5.06	9.75	83	101	102
VERNAL	2.50	0.80	1.41	4.72	4.88	9.59	76	101	101
ONEIDA VR	2.40	0.75	1.42	4.56	4.66	9.22	87	98	97
Mean	2.68	0.90	1.48	5.06	5.13	10.19	85	Ck. Mean 4.66	Ck. Mean 9.52
5% LSD	0.15	0.08	0.09	0.25	0.30	0.46	3		
CV (%)	4.5	7.0	5.0	3.9	4.6	3.5	2.8		

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

\*EXPERIMENTAL ENTRIES

Overall means are for 24 trial entries.

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**2016 New York Alfalfa Yield Trials**

Moore Farm, Cooperstown, Otsego County, Eastern New York

Sown May 2014

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2015 Total t/a	2-Yr Total t/a	% Stand 5-Oct	% of Checks Mean	
	20-Jun	26-Jul	13-Sep					2016 Total	2-Yr Total
MASKA	2.58	1.66	1.49	5.74	4.70	10.45	91	120	114
L-455HD	2.52	1.69	1.39	5.61	4.66	10.27	93	117	112
REGEN	2.46	1.65	1.47	5.58	4.61	10.21	93	117	111
55Q27	2.39	1.68	1.43	5.51	4.56	10.07	95	115	110
EZRA	2.36	1.54	1.41	5.31	4.64	9.95	93	111	109
AFX083003*	2.36	1.72	1.40	5.49	4.40	9.90	92	115	108
BRADOR	2.29	1.51	1.40	5.20	4.55	9.73	93	108	106
AFX065033*	2.30	1.66	1.41	5.37	4.34	9.72	94	112	106
55V50	2.25	1.49	1.44	5.19	4.27	9.46	91	108	103
Seedway 9558 SBR	2.23	1.42	1.33	4.99	4.33	9.33	94	104	102
VERNAL	2.19	1.39	1.32	4.90	4.42	9.31	88	102	102
55H94	2.16	1.41	1.34	4.92	4.34	9.26	92	103	101
AFX094017*	2.11	1.58	1.32	5.01	4.15	9.15	94	105	100
ONEIDA VR	2.03	1.40	1.33	4.75	4.34	9.08	94	99	99
5312	2.09	1.29	1.36	4.74	4.35	9.08	88	99	99
AFX085029*	2.03	1.49	1.29	4.81	4.22	9.03	93	100	99
Mean	2.23	1.50	1.35	5.08	4.35	9.43	92	Ck. Mean 4.79	Ck. Mean 9.16
5% LSD	0.17	0.13	0.09	0.30	0.31	0.52	4		
CV (%)	6.0	7.0	5.3	4.7	5.7	4.4	3.0		

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Severe yellow leaf blotch at third harvest in 2015 and 2016.

\*EXPERIMENTAL ENTRIES

Overall means are for 24 trial entries.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

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**2016 New York Alfalfa Yield Trials**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2015

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	% of Checks Mean	
	7-Jun	12-Jul	25-Aug		% Stand 9-Sep	2016 Total
AFXH144108*	2.78	1.83	2.01	6.61	86	124
HYBRIFORCE-3400-OB2*	2.69	1.72	2.01	6.43	83	121
HYBRIFORCE-3400-OB1*	2.68	1.71	1.91	6.32	80	119
AFX134082*	2.65	1.71	1.92	6.30	86	118
AFX134080*	2.57	1.77	1.97	6.30	85	118
HYBRIFORCE-3400	2.72	1.62	1.92	6.28	80	118
AFX143009*	2.57	1.81	1.94	6.27	86	118
55V50	2.66	1.69	1.90	6.25	87	118
AFX144117*	2.63	1.70	1.90	6.23	84	117
FSG 415BR	2.60	1.69	1.88	6.16	85	116
AFX133033*	2.55	1.72	1.77	6.05	86	114
RENEW+*	2.45	1.72	1.87	6.04	84	114
FSG 426	2.35	1.71	1.90	5.95	89	112
55Q27	2.40	1.68	1.84	5.92	87	111
EZRA	2.47	1.56	1.89	5.91	83	111
AFX134029*	2.35	1.70	1.80	5.86	86	110
AFX133032*	2.43	1.64	1.76	5.84	85	110
PLUSS III	2.29	1.70	1.80	5.77	87	109
PERSIST III	2.51	1.47	1.79	5.77	80	109
Seedway 9558 SBR	2.37	1.47	1.85	5.71	86	107
4H400*	2.20	1.59	1.83	5.62	86	106
N-R-GEE	2.34	1.50	1.77	5.61	82	105
ONEIDA VR	2.33	1.43	1.78	5.57	83	105
DKA41-18RR	2.28	1.57	1.70	5.52	84	104
VERNAL	2.38	1.29	1.68	5.34	73	100
55H94	2.19	1.39	1.74	5.33	80	100
SW 315LH	2.44	1.23	1.61	5.29	80	99
5312	2.13	1.23	1.71	5.06	73	95
						Ck. Mean
Mean	2.42	1.57	1.82	5.81	83	5.32
5% LSD	0.14	0.15	0.14	0.37	5	
CV (%)	4.7	7.6	6.3	5.0	4.6	

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

\*EXPERIMENTAL ENTRIES

Overall means are for 36 trial entries.

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**2016 New York Alfalfa Yield Trials**

William H. Miner Agricultural Research Institute, Chazy, Clinton County, Northern New York

Sown May 2015

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total	% of Checks Mean	
	12-Jun	18-Jul	28-Aug		% Stand 16-Nov-11	2016 Total
55Q27	2.73	2.10	1.55	6.38	94	118
PERSIST III	2.80	1.86	1.33	5.98	94	111
55V50	2.63	1.96	1.26	5.84	94	108
EZRA	2.70	1.83	1.26	5.72	95	106
55VR06	2.41	1.91	1.32	5.71	93	106
PLUSS III	2.40	1.93	1.33	5.66	94	105
N-R-GEE	2.51	1.80	1.35	5.65	95	105
SW 315LH	2.77	1.66	1.21	5.61	95	104
VERNAL	2.58	1.72	1.19	5.46	89	101
Seedway 9558 SBR	2.46	1.70	1.23	5.41	95	100
5312	2.37	1.70	1.33	5.39	92	100
ONEIDA VR	2.46	1.73	1.14	5.34	95	99
						Ck. Mean
Mean	2.50	1.79	1.27	5.57	93	5.40
5% LSD	0.37	0.17	0.21	0.55	5	
CV (%)	11.5	7.4	13.1	7.6	4.5	

^Variety means are LSMEANS derived from incomplete block statistical analysis. Therefore, season or multiple-year totals

will not be the arithmetic sum of individual cuts or years, respectively.

Alfalfa Check Cultivars are VERNAL, ONEIDA VR, Pioneer 5312

\*EXPERIMENTAL ENTRIES

Overall means are for 16 trial entries.

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**2016 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2013

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total	2015 Total	2014 Total	3-Yr Total t/a	% Stand 4-Oct	% of Trial Mean	
	15-Jun	19-Jul	19-Sep						2016	3-Yr
	Total	Total	Total						Total	Total
54QR04	2.59	0.54	1.25	4.37	4.97	5.87	15.22	67	104	102
428RR	2.46	0.53	1.22	4.22	4.98	6.00	15.19	67	100	102
WL 372HQ.RR	2.46	0.48	1.21	4.15	5.01	5.87	15.02	68	98	101
DKA44-16RR	2.41	0.50	1.20	4.12	4.97	5.82	14.91	68	98	100
6497R	2.51	0.49	1.23	4.23	4.80	5.83	14.87	68	100	100
DKA41-18RR	2.58	0.48	1.23	4.29	4.78	5.57	14.65	67	102	98
WL 356HQ.RR	2.47	0.51	1.22	4.19	4.86	5.54	14.59	68	99	98
Mean	2.50	0.50	1.22	4.22	4.91	5.79	14.92	68		
5% LSD	0.35	0.09	0.10	0.50	0.29	0.31	0.79	5		
CV (%)	10.8	13.8	6.4	9.0	4.5	4.0	4.0	6.0		

**2016 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2014

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total	2015 Total	2-Yr Total	% Stand 13-Sep	% of Trial Mean	
	8-Jun	12-Jul	25-Aug					2016	2-Yr
	Total	Total	Total					Total	Total
54QR04	2.81	1.35	1.81	5.98	5.91	11.89	85	107	107
DKA43-22RR	2.67	1.19	1.76	5.61	5.52	11.12	84	101	100
DKA40-51RR	2.77	1.07	1.65	5.49	5.59	11.07	84	98	99
DKA44-16RR	2.66	1.20	1.68	5.54	5.50	11.05	87	99	99
DKA41-18RR	2.57	1.09	1.59	5.26	5.33	10.59	85	94	95
Mean	2.70	1.18	1.70	5.58	5.57	11.14	85		
5% LSD	0.16	0.20	0.11	0.43	0.35	0.70	2		
CV (%)	4.5	12.7	5.0	5.7	4.7	4.7	2.1		

**2016 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2015

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total	% Stand 13-Sep	% of Trial Mean	
	7-Jun	11-Jul	24-Aug			2016	2016
	Total	Total	Total			Total	Total
DKA44-16RR	2.68	1.95	2.11	6.75	92	106	
55VR06	2.64	1.84	2.03	6.50	89	102	
DKA41-18RR	2.54	1.77	1.96	6.28	89	99	
DKA40-51RR	2.58	1.66	1.90	6.15	91	97	
430 RR LH	2.46	1.71	1.95	6.12	90	96	
Mean	2.58	1.79	1.99	6.36	90		
5% LSD	0.33	0.35	0.32	0.92	3		
CV (%)	9.4	14.4	11.9	10.8	2.4		

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**2016 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2013

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2015 Total t/a	2014 Total t/a	3-Yr Total t/a	2016	PLH Avg.
	16-Jun	20-Jul	20-Sep					% Stand	Damage Score
								5-Oct	2013-2016
55H94	2.50	0.46	1.14	4.10	5.74	6.36	16.19	67	1.3
LANCER	2.54	0.62	1.32	4.48	5.49	5.84	15.81	69	2.6
FSG 420LH	2.51	0.55	1.18	4.24	5.48	5.95	15.66	64	1.3
5312	2.81	0.53	1.32	4.66	5.20	5.77	15.63	67	3.2
ONEIDA VR	2.70	0.53	1.40	4.63	5.02	5.61	15.26	66	3.3
VERNAL	2.76	0.46	1.33	4.55	5.09	5.63	15.26	60	3.3
Trial Mean	2.50	0.41	1.26	4.17	4.93	5.50	14.61	60	
LSD(0.05)	0.25	0.09	0.11	0.38	0.57	0.56	1.29	6	
CV(%)	8.0	17.2	7.0	7.1	9.0	8.0	6.9	7.9	

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**2016 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2014

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2015 Total t/a	2-Yr Total	2016	PLH Avg.
	24-Jun	30-Jul	15-Sep				% Stand	Damage Score
							14-Sep	30-Jul-15
5312	2.74	0.91	1.65	5.30	5.11	10.41	85	2.0
SW 315LH*	2.90	0.78	1.51	5.19	5.06	10.25	83	1.0
55H94	2.59	0.89	1.42	4.91	5.33	10.23	85	1.0
VERNAL	2.61	0.85	1.60	5.06	4.64	9.70	81	2.0
ONEIDA VR	2.54	0.86	1.61	5.01	4.66	9.66	88	2.3
Mean	2.72	0.79	1.47	4.98	4.96	9.94	84	
LSD(.05)	0.16	0.10	0.10	0.31	0.28	0.48	3	
CV(%)	4.5	10.1	5.6	4.9	4.4	3.8	2.9	

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**2016 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2015

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre)			2016 Total t/a	2016	2016 PLH Avg.
	7-Jun	11-Jul	24-Aug		% Stand	Damage Score
					14-Sep	11-Jul
WL 358LH	2.46	1.98	2.09	6.52	90	2.2
SW 315LH	2.88	1.65	1.98	6.51	88	1.4
N-R-GEE	2.63	1.87	1.98	6.48	90	2.7
55H94	2.59	1.85	2.02	6.46	89	1.6
ONEIDA VR	2.68	1.80	1.89	6.37	90	3.6
49H344	2.39	2.00	1.98	6.37	90	1.2
VERNAL	2.71	1.63	1.84	6.17	86	3.6
430 RR LH	2.32	1.79	2.00	6.11	86	1.3
Mean	2.58	1.79	1.95	6.32	88	2.1
5% LSD	0.26	0.25	0.13	0.53	3	0.6
CV (%)	7.7	10.7	5.3	6.5	2.4	24.2

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## 2016 New York Alfalfa Yield Trials

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2016

Released And Experimental Varieties
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55H94	Data were
55Q27	not collected
55V50	in 2016 due
59W205	to severe
DKA41-18RR	drought.
HF MULTI*	
HS MULTI*	
KF-406A2	
KF-425HD	
KINGBIRD	
LIGHTNING BOLT	
LS1004*	
LS1103*	
LS1104*	
LS1302*	
LS1401*	
msSunstra-143146*	
msSunstra-143147*	
msSunstra-144108*	
msSunstra-144109*	
msSunstra-144110*	
msSunstra-144123*	
ONEIDA VR	
PERSIST III	
PLUS III	
REBOUND 6XT	
RED FALCON	
ROBIN	
SW 315LH	
SW1412Y*	
SW4209*	
SW5210*	
VERNAL	

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**2016 New York Alfalfa Yield Trials**

SUNY Cobleskill, Schoharie County, Cobleskill, Eastern New York

Sown May 2016

Released And Experimental Varieties	2016 Harvest (yields reported in tons/acre) 8-Sep
AFX144178*	1.66
AFX144174*	1.63
PERSIST III	1.60
ONEIDA VR	1.56
55V50	1.55
SW 315LH	1.50
PLUSS III	1.48
55Q27	1.47
VERNAL	1.47
SW5213*	1.47
SW5210*	1.45
SW4107*	1.41
LIGHTNING BOLT	1.39
REBOUND 6XT	1.38
Mean	1.50
5% LSD	0.11
CV (%)	5.9

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**2016 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2016

Released And Experimental Varieties
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55VR08	Data were
DKA40-51RR	not collected
DKA41-18RR	in 2016 due
DKA44-16RR	to severe
RR AphaTron 2XT	drought.

**2016 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA**

SUNY Cobleskill, Schoharie County, Cobleskill

Sown May 2016

Released And Experimental Varieties	<u>2016 Harvest (yields reported in tons/acre)</u> 8-Sep
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DKA44-16RR	1.60
DKA41-18RR	1.56
DKA40-51RR	1.55
55VR08	1.50
Mean	1.55
5% LSD	0.13
CV (%)	6.1

Trial was cut off on July 25, 2016

**2016 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides**

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca, Central New York

Sown May 2016

Released And Experimental Varieties
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49H344	Data were
55H94	not collected
N-R-GEE	in 2016 due
SW 315LH	to severe
Vernal	drought.

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