

**2015 New York Alfalfa Yield Trials; Cornell University;
School of Integrative Plant Science, Plant Breeding and Genetics Section**

J. Hansen and D. Viands

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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>

2015 Notes:

Following extreme cold in the winter of 2014/15, the trial planted in 2012 in Northern New York winterkilled and was not harvested in 2015. In Spring 2015, the trials were planted in May and established well. Above normal precipitation in June and July delayed some harvesting activities and was stressful for new seedings.

2015 New York Alfalfa Yield Trials

State University of New York at Cobleskill, Schoharie County, NY

Sown May 2012

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2013 Total t/a	3-Yr Total t/a	% of Checks Mean	
	28-May	8-Jul	16-Aug					2015 Total	3-Yr Total
	msSunstra-C14*	2.89	2.11					1.83	6.89
HYBRIFORCE 3400QR*	2.81	2.03	1.77	6.72	7.35	7.47	21.57	120	124
PERSIST III*	2.81	2.13	1.92	6.85	7.45	7.26	21.49	123	123
msSunstra-C15*	2.82	2.01	1.85	6.56	7.19	7.48	21.10	117	121
HYBRIFORCE 3400*	2.67	1.99	1.78	6.37	7.23	7.39	20.89	114	120
CRAVE*	2.84	1.95	1.88	6.64	7.26	7.07	20.88	119	120
msSunstra-C13*	2.90	1.90	1.80	6.45	7.22	7.26	20.74	115	119
msSunstra-C10*	2.72	1.91	1.83	6.57	7.14	6.99	20.68	118	119
MARINER IV	2.72	1.91	1.76	6.31	7.14	7.00	20.36	113	117
msSunstra-C12*	2.68	1.94	1.80	6.32	7.15	7.01	20.25	113	116
PGI 529*	3.03	2.00	1.82	6.82	7.34	6.14	20.11	122	115
55V50	2.70	1.92	1.75	6.35	7.08	6.65	20.00	114	115
MASKA	2.62	1.98	1.69	6.37	6.96	6.66	19.78	114	113
GEMSTONE	2.77	1.90	1.80	6.44	7.21	6.27	19.75	115	113
msSunstra-C11*	2.56	1.92	1.78	6.26	6.76	6.66	19.59	112	112
MAGNITUDE	2.78	1.83	1.86	6.26	7.14	6.49	19.43	112	111
FG 48A177*	2.80	1.98	1.81	6.56	6.93	5.94	19.33	117	111
BRADOR	2.52	1.84	1.63	5.99	6.53	6.57	19.08	107	109
REGEN	2.49	1.82	1.56	5.87	6.52	6.66	18.94	105	109
EZRA	2.55	1.82	1.66	5.83	6.74	6.54	18.90	104	108
Seedway 9558 SBR*	2.57	1.89	1.56	5.88	6.68	6.21	18.67	105	107
N-R-GEE	2.56	1.80	1.55	5.92	6.52	6.08	18.41	106	106
55H94	2.38	1.99	1.56	5.95	6.26	6.04	18.33	106	105
5312	2.46	1.79	1.57	5.82	6.21	6.39	18.30	104	105
ONEIDA VR	2.37	1.84	1.46	5.67	5.97	6.19	17.79	101	102
VERNAL	2.25	1.68	1.44	5.28	5.44	5.57	16.23	94	93
Mean	2.62	1.90	1.69	6.19	6.80	6.55	19.45	Ck. Mean 5.59	Ck. Mean 17.44
5% LSD	0.18	0.17	0.17	0.45	0.34	0.34	1.02		
CV (%)	5.4	7.1	8.0	5.8	4.0	4.1	4.1		

^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.

*EXPERIMENTAL ENTRIES

Overall means are for 32 trial entries.

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2015 New York Alfalfa Yield Trials

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2012

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2013 Total t/a	3-Yr Total t/a	2015 % Stand 28-Sep	% of Checks Mean	
	11-Jun	20-Jul	31-Aug						2015 Total	3-Yr Total
	PERSIST III*	2.82	2.16						1.28	6.27
55V50	2.71	2.11	1.23	6.06	6.58	6.78	19.42	79	150	135
DSC02-T*	2.66	1.96	1.33	5.94	6.45	7.01	19.41	82	147	135
MAGNUM 7-WET*	2.77	2.00	1.25	6.02	6.51	6.80	19.32	80	149	134
CRAVE*	2.69	1.97	1.26	5.92	6.27	6.84	19.04	77	146	132
DSC04-BR*	2.74	2.04	1.20	5.98	6.15	6.78	18.92	76	148	131
DSC01-T*	2.68	2.04	1.21	5.93	6.08	6.88	18.89	82	146	131
DSC03-BR*	2.68	2.04	1.29	6.00	6.18	6.69	18.88	79	148	131
PGI 529*	2.58	2.20	1.31	6.09	6.24	6.25	18.58	80	150	129
DSC06-M*	2.64	1.98	1.21	5.83	6.04	6.71	18.57	78	144	129
505004*	2.49	2.02	1.25	5.77	6.21	6.48	18.46	79	142	128
DSC05-BR*	2.64	1.71	1.12	5.49	6.02	6.70	18.23	71	135	127
MAGNITUDE	2.63	2.02	1.30	5.95	5.98	6.17	18.11	80	147	126
FG 48A177*	2.63	2.08	1.32	6.03	5.90	6.00	17.93	81	149	124
GEMSTONE	2.57	2.03	1.32	5.92	5.90	6.09	17.90	81	146	124
MARINER IV	2.56	1.78	1.14	5.47	5.92	6.50	17.89	74	135	124
MAGNUM 7*	2.65	1.74	1.19	5.58	5.74	6.50	17.83	75	138	124
REGEN	2.59	1.70	1.03	5.32	5.87	6.43	17.62	76	131	122
EZRA	2.58	1.69	1.08	5.35	5.65	6.24	17.22	75	132	120
LEGACY 449APH2	2.49	1.77	1.05	5.32	5.63	6.24	17.20	71	131	119
MASKA	2.57	1.67	1.04	5.28	5.66	6.23	17.15	74	130	119
Seedway 9558 SBR*	2.38	1.73	0.97	5.09	5.71	6.11	16.91	73	126	117
BRADOR	2.34	1.49	0.89	4.71	5.18	5.93	15.80	70	116	110
N-R-GEE	2.25	1.50	0.98	4.73	5.05	5.91	15.68	69	117	109
55H94	2.16	1.58	0.87	4.60	5.04	5.81	15.44	69	114	107
5312	2.14	1.27	0.82	4.22	4.94	5.72	14.88	64	104	103
ONEIDA VR	2.04	1.26	0.76	4.06	4.63	5.71	14.40	63	100	100
VERNAL	2.14	1.09	0.62	3.86	4.43	5.65	13.94	56	95	97
Mean	2.51	1.79	1.10	5.40	5.72	6.29	17.42	75	Ck. Mean 4.05	Ck. Mean 14.41
5% LSD	0.17	0.15	0.10	0.34	0.33	0.26	0.76	5		
CV (%)	5.5	6.8	6.9	5.1	4.6	3.2	3.5	5.7		

^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.

*EXPERIMENTAL ENTRIES

Overall means are for 32 trial entries.

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2015 New York Alfalfa Yield Trials

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2013

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2-Yr Total t/a	2015 % Stand 6-Oct	% of Checks Mean	
	19-Jun	28-Jul	21-Sep					2015 Total	2-Yr Total
	55V50	2.86	2.05					0.67	5.58
DSD02-T*	2.69	1.96	0.81	5.46	6.27	11.73	74	121	121
DSD05-T*	2.78	1.89	0.78	5.43	6.27	11.71	74	120	121
DSD01-T*	2.63	1.89	0.79	5.31	6.06	11.39	75	118	118
DSD04-T*	2.71	1.86	0.73	5.29	6.11	11.38	71	117	118
DSD06-M*	2.62	1.85	0.77	5.25	6.04	11.31	75	116	117
FSG 403LR	2.59	1.87	0.69	5.15	6.01	11.15	75	114	115
55Q27	2.59	1.96	0.68	5.21	5.87	11.07	77	116	114
L 455HD	2.67	2.01	0.63	5.30	5.73	11.00	77	117	114
SHOCKWAVE BR*	2.55	1.80	0.65	5.00	5.99	11.00	70	111	114
55H94	2.64	1.78	0.52	4.93	5.89	10.81	72	109	112
DSD07-M*	2.53	1.79	0.65	4.98	5.81	10.79	70	110	112
EZRA	2.64	1.69	0.63	4.98	5.81	10.79	73	111	112
FSG 329	2.60	1.78	0.70	5.08	5.61	10.68	69	113	110
Seedway 9558 SBR	2.67	1.79	0.59	5.07	5.51	10.57	71	112	109
DG 4210	2.44	1.95	0.67	5.08	5.46	10.56	78	113	109
FSG 424	2.48	1.92	0.64	5.03	5.44	10.49	72	111	108
FSG 408DP	2.44	1.71	0.69	4.87	5.56	10.42	71	108	108
N-R-GEE	2.57	1.68	0.58	4.84	5.37	10.24	76	107	106
5312	2.39	1.61	0.62	4.62	5.40	10.01	68	103	103
OPTIMUS*	2.42	1.81	0.59	4.80	5.21	9.97	72	106	103
LS 905*	2.42	1.70	0.60	4.73	5.24	9.97	72	105	103
DKA41-18RR	2.35	1.69	0.61	4.66	4.66	9.86	73	103	102
FSG 524	2.32	1.85	0.64	4.80	5.04	9.82	74	106	102
VERNAL	2.47	1.57	0.58	4.61	5.21	9.81	64	102	101
ONEIDA VR	2.26	1.39	0.60	4.29	4.87	9.20	70	95	95
Mean	2.55	1.80	0.64	4.99		10.60	73	Check Mean 4.51	Check Mean 9.67
5% LSD	0.17	0.17	0.10	0.39		0.71	5		
CV (%)	5.20	7.60	12.60	6.20		5.40	5.0		

^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.

*EXPERIMENTAL ENTRIES

Overall means are for 32 trial entries.

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2015 New York Alfalfa Yield Trials

Branton Farms, LeRoy, Genesee County, New York

Sown July 2013

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)				2015 Total t/a	2014 Total t/a	2-Yr Total t/a	2015 % Stand 18-Nov	% of Checks Mean	
	27-May	2-Jul	10-Aug	14-Oct					2015 Total	2-Yr Total
msSunstra-D17*	2.30	1.95	2.41	1.32	7.95	5.42	13.38	90	126	120
Profusion 2HX*	2.39	1.95	2.27	1.34	7.97	5.30	13.26	91	126	119
55V50	2.51	1.82	2.28	1.22	7.84	5.12	12.94	93	124	117
msSunstra-D11*	2.22	1.85	2.28	1.32	7.67	5.24	12.90	90	121	116
msSunstra-D15*	2.24	1.79	2.35	1.27	7.64	5.22	12.86	93	121	116
msSunstra-D16*	1.90	1.89	2.35	1.33	7.48	5.20	12.66	90	118	114
msSunstra-D13*	2.21	1.81	2.32	1.22	7.57	5.04	12.62	90	120	114
55Q27	2.27	1.84	2.34	1.16	7.63	4.96	12.59	93	121	113
FSG 424	2.33	1.92	2.46	1.11	7.79	4.78	12.57	91	123	113
FSG 403LR	2.24	1.77	2.21	1.21	7.41	5.14	12.56	91	117	113
DG 4210	2.28	1.85	2.26	1.11	7.52	4.86	12.40	92	119	112
FSG 524	2.12	1.83	2.33	1.03	7.31	4.81	12.12	95	116	109
N-R-GEE	2.15	1.71	1.98	1.08	6.92	5.07	12.00	89	109	108
Seedway 9558 SBR	2.24	1.77	1.97	1.01	6.99	4.98	11.97	89	110	108
EZRA	2.17	1.74	2.03	1.17	7.11	4.85	11.96	88	112	108
ONEIDA VR	1.93	1.54	1.85	1.13	6.44	4.90	11.35	88	102	102
5312	2.09	1.56	1.86	1.03	6.53	4.75	11.27	87	103	102
55H94	1.98	1.52	1.94	0.99	6.44	4.73	11.18	91	102	101
VERNAL	1.87	1.50	1.74	0.90	6.01	4.66	10.67	82	95	96
Mean	2.15	1.75	2.12	1.10	7.13	4.94	12.06	90	Ck. Mean 6.33	Ck. Mean 11.10
5% LSD	0.31	0.1	0.16	0.12	0.51	0.35	0.72	3		
CV (%)	12.5	4.9	6.6	9.3	6.3	6.1	5.2	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.

*EXPERIMENTAL ENTRIES Overall means are for 25 trial entries.

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2015 New York Alfalfa Yield Trials

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2014

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2015 % Stand 8-Oct	% of Checks Mean 2015 Total
	18-Jun	27-Jul	16-Sep			
55V50	2.65	2.39	0.85	5.91	90	121
AFXH134092*	2.77	2.16	0.85	5.79	90	119
AFXH134090*	2.63	2.21	0.86	5.72	89	117
AFXH134091*	2.47	2.26	0.81	5.56	90	114
55H94	2.55	2.22	0.70	5.46	89	112
MASKA	2.53	2.04	0.74	5.32	90	109
55Q27	2.39	2.11	0.75	5.25	90	108
BRADOR	2.48	2.03	0.73	5.24	88	108
Seedway 9558 SBR	2.40	2.08	0.71	5.20	90	107
EZRA	2.48	1.95	0.76	5.19	90	107
REGEN	2.42	1.99	0.77	5.18	87	106
GA-409	2.36	2.04	0.71	5.11	90	105
5312	2.46	1.90	0.70	5.06	88	104
DKA41-18RR	2.26	2.00	0.73	5.00	90	103
VERNAL	2.40	1.78	0.71	4.88	82	100
ONEIDA VR	2.20	1.81	0.66	4.66	90	96
						Ck. Mean
Mean	2.41	2.01	0.71	5.13	89	4.87
5% LSD	0.18	0.14	0.07	0.30	2	
CV (%)	5.9	5.3	7.9	4.6	2.1	

^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.

*EXPERIMENTAL ENTRIES Overall means are for 24 trial entries.

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2015 New York Alfalfa Yield Trials

Cooperstown, Moore Farm

Sown May 2014

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2015	% of Checks Mean
	17-Jun	22-Jul	3-Sep		% Stand	2015
					17-Nov	Total
MASKA	2.24	1.49	0.97	4.70	91	108
L-455HD	2.05	1.58	1.02	4.66	93	107
EZRA	2.21	1.48	0.96	4.64	93	106
REGEN	2.14	1.48	0.97	4.61	93	105
55Q27	2.03	1.56	0.97	4.56	95	104
BRADOR	2.23	1.36	0.96	4.55	93	104
VERNAL	2.22	1.35	0.85	4.42	88	101
AFX083003*	1.87	1.56	0.95	4.40	92	101
5312	2.16	1.34	0.85	4.35	88	99
AFX065033*	1.90	1.51	0.92	4.34	94	99
ONEIDA VR	2.12	1.33	0.89	4.34	94	99
55H94	2.07	1.41	0.86	4.34	92	99
Seedway 9558 SBR	2.00	1.42	0.90	4.33	94	99
55V50	1.94	1.43	0.89	4.27	91	98
AFX085029*	2.05	1.33	0.83	4.22	93	96
AFX094017*	1.84	1.41	0.90	4.15	94	95
Mean	2.03	1.42	0.90	4.35	92	Ck. Mean
5% LSD	0.22	0.10	0.08	0.31	4	4.37
CV (%)	8.4	5.3	6.6	5.7	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.

*EXPERIMENTAL ENTRIES Overall means are for 24 trial entries.

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2015 New York Alfalfa Yield Trials

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2015

Released And Experimental Varieties	2015 Harvest 2 (yields reported in tons/acre) 8-Sep	2015 % Stand 28-Sep
AFX134080*	1.27	91
AFX134082*	1.17	90
AFX143009*	1.09	92
AFXH144108*	1.07	92
FSG 415BR	1.06	88
AFX133033*	1.02	88
AFX133032*	1.02	91
CWA123011*	0.99	86
AFX144117*	0.98	88
AFX134029*	0.91	90
55V50	0.90	91
PERSIST III	0.83	81
PLUSS III	0.77	87
EZRA	0.77	86
HYBRIFORCE-3400	0.75	82
FSG 426	0.73	90
HYBRIFORCE-3400-OB2*	0.72	84
HYBRIFORCE-3400-OB1*	0.71	82
55Q27	0.70	90
55H94	0.67	82
ONEIDA VR	0.67	85
Seedway 9558 SBR	0.65	89
SW 315LH	0.65	85
N-R-GEE	0.63	86
CW054004*	0.63	88
DKA41-18RR	0.57	85
5312	0.56	77
VERNAL	0.53	79
Mean	0.77	86
5% LSD	0.14	6
CV (%)	14.1	5.7

^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.

*EXPERIMENTAL ENTRIES Overall means are for 36 trial entries.

*Harvest 1 was cut off on July 6.

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2015 New York Alfalfa Yield Trials

William H. Miner Agricultural Research Institute, Chazy, Clinton County, NY

Sown May 2015

Released And Experimental Varieties	2015 Harvest	2015 % Stand 17-Nov
5312		92
55Q27		94
55V50	Data	94
55VR06	were	93
EZRA	not	95
N-R-GEE	collected in	95
ONEIDA VR	2015	95
PERSIST III		94
PLUSS III		94
Seedway 9558 SBR		95
SW 315LH		95
VERNAL		89
Mean		93
5% LSD		5
CV (%)		4.5

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2015 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2013

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2-Yr Total t/a	2015 % Stand 7-Oct	% of Trial Mean	
	22-Jun	3-Aug	22-Sep					2015 Total	2-Yr Total
	428RR	2.39	2.01					0.58	4.98
WL 372HQ.RR	2.42	2.02	0.57	5.01	5.87	10.87	73	102	102
54QR04	2.46	1.95	0.56	4.97	5.87	10.85	73	101	101
DKA44-16RR	2.47	1.97	0.52	4.97	5.82	10.79	76	101	101
6497R	2.33	1.94	0.53	4.80	5.83	10.63	74	98	99
WL 356HQ.RR	2.39	1.90	0.57	4.86	5.54	10.40	73	99	97
DKA41-18RR	2.33	1.89	0.56	4.78	5.57	10.35	73	97	97
Mean	2.40	1.96	0.56	4.91	5.79	10.70	74		
5% LSD	0.15	0.11	0.10	0.29	0.31	0.45	4		
CV (%)	4.9	4.3	14.0	4.5	4.0	3.2	3.9		

2015 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2014

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2015 % Stand 7-Oct	% of Trial Mean 2015 Total
	18-Jun	27-Jul	15-Sep			
	54QR04	2.42	2.33			
DKA40-51RR	2.49	2.11	0.98	5.59	90	100
DKA43-22RR	2.36	2.06	1.10	5.52	90	99
DKA44-16RR	2.32	2.08	1.10	5.50	90	99
DKA41-18RR	2.32	1.99	1.02	5.33	89	96
Mean	2.38	2.11	1.07	5.57	90	
5% LSD	0.17	0.14	0.16	0.35	1	
CV (%)	5.2	4.8	11.4	4.7	1.1	

2015 New York Alfalfa Yield Trials - ROUNDUP READY ALFALFA

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2015

Released And Experimental Varieties	2015 Harvest 2 (yields reported in tons/acre)	2015 % Stand 28-Sep
	11-Sep	
DKA44-16RR	0.85	92
55VR06	0.82	95
DKA41-18RR	0.77	95
FSG 430 RR LH	0.77	92
DKA40-51RR	0.69	93
Mean	0.78	93
5% LSD	0.20	3
CV (%)	19.3	2.5

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2015 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2012

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)		2015 Total t/a	2014 Total t/a	2013 Total t/a	3-Yr Total t/a	2015 % Stand 6-Nov	PLH Avg. Damage Score 2012-2014
	11-Jun	20-Jul						
55H94	2.60	1.56	4.16	5.54	6.87	16.58	70	1.4
505005	2.27	1.23	3.50	4.96	6.41	14.88	68	1.3
5312	2.24	1.09	3.34	4.75	6.16	14.25	65	3.6
Oneida VR	1.99	0.96	2.95	4.21	6.01	13.17	57	4.1
Vernal	2.24	0.91	3.15	4.02	5.66	12.83	52	3.8
Mean	2.19	1.02	3.21	4.64	6.07	13.92	57	
5% LSD	0.34	0.23	0.48	0.58	0.40	1.26	11	
CV (%)	12.1	17.4	11.6	9.7	5.1	7.1	15.5	

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2015 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2013

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2013 Total t/a	2-Yr Total t/a	2015 % Stand 7-Oct	PLH Avg. Damage Score 2013-2015
	22-Jun	3-Aug	23-Sep						
55H94	3.09	2.09	0.56	5.74	6.36		12.10	76	1.1
FSG 420LH	2.87	1.98	0.63	5.48	5.95		11.43	72	1.2
Lancer	2.83	1.97	0.68	5.49	5.84		11.33	74	2.4
5312	2.78	1.84	0.59	5.20	5.77		10.98	72	3.1
Oneida VR	2.70	1.71	0.62	5.02	5.61		10.64	75	3.3
Vernal	2.74	1.75	0.59	5.09	5.63		10.72	67	3.3
Mean	2.71	1.69	0.53	4.93	5.50		10.43	70	2.4
5% LSD	0.32	0.21	0.12	0.57	0.56		1.05	6	
CV (%)	9.1	9.7	17.9	9.0	8.0		7.8	6.6	

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2015 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2014

Released And Experimental Varieties	2015 Harvest (yields reported in tons/acre)			2015 Total t/a	2014 Total t/a	2013 Total t/a	2015 % Stand 7-Oct	PLH Avg. Damage Score 30-Jul-15
	24-Jun	30-Jul	15-Sep					
55H94	2.75	1.92	0.66	5.33			90	1.0
SW 315LH*	2.84	1.62	0.60	5.06			86	1.0
5312	2.73	1.72	0.67	5.11			90	2.0
Vernal	2.49	1.52	0.62	4.64			86	2.0
Oneida VR	2.35	1.62	0.68	4.66			90	2.3
Mean	2.70	1.62	0.64	4.96			88	1.3
5% LSD	0.18	0.14	0.07	0.28			3	0.4
CV (%)	5.1	6.5	8.0	4.4			2.9	22.0

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2015 New York Alfalfa Yield Trials - Trials not sprayed with Insecticides

Cornell University Agricultural Experiment Station, Tompkins County, Ithaca

Sown May 2015

Released And Experimental Varieties	2015 Harvest 2 (yields reported in tons/acre)		2015 Total t/a	2014 Total t/a	2013 Total t/a	3-Yr Total t/a	2015 % Stand 7-Oct	PLH Avg. Damage Score 6-Jul
	8-Sep							
49H344	0.73						95	2.0
SW 315LH	0.80						94	2.1
55H94	0.80						94	2.3
FSG 430 RR LH	0.68						91	2.3
WL 358LH	0.81						94	2.8
N-R-GEE	0.77						95	4.3
Vernal	0.90						93	4.5
Oneida VR	0.81						94	4.8
	0.79						94	3.0
	0.15						3	0.7
	12.9						2.2	15.2

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