

**2022 New York Red Clover Yield Trials; Cornell University;
School of Integrative Plant Science, Plant Breeding and Genetics Section**

**Ithaca, South Central New York
USDA Plant Hardiness Zone 5b**

[2021 Commercial and Experimental Seeding](#)

Red Clover Cultivar Trial Protocol and Notes:

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. All trials are planted with 5 or 6 replicates. Trials are harvested 3 times each year. Check cultivars planted in each trial are Marathon and Cinnamon Plus. 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:

<https://blogs.cornell.edu/varietytrials/forage/>

2022 Notes: Trials planted in 2019, 2020 and 2021 successfully overwintered in spite of a challengingly wet year in 2021. New alfalfa plot seedings were planted in mid-May rather than in late-April/early-May due delayed field work in fall 2021. Following the summer of 2021 when it was quite rainy, the summer of 2022 was low in precipitation from March through the end of July. From March 2022 to July 2022, the average precipitation per month was 2.6 inches compared to a normal of 3.5 inches per month. Also, July, August, and September averaged 66.7 degrees F or 1.2 degrees F higher than normal. Forage yields were lower than normal in 2022 due to low rainfall. Thanks to the harvesting crew: Jesse Chavez, Ryan Crawford, Gabriel Sanchez, Jamie Crawford, Abby Nonnenberg, Anna McGrade, Logan Gibbs-Porter, Leo Pieples, Miguel Barrera and CUAES CAF and Musgrave Farm Crews, including Farm managers Gene Szczepanski and Paul Stachowski.

[back to top](#)

2022 New York Red Clover Yield Trials

Cornell U. Agricultural Experiment Station, Tompkins Co., Ithaca, NY

Sown May 2021

Released And Experimental Cultivars	2022 Harvest (yields reported in tons/acre)			2022 Total t/a	% Stand 11/2/2022	% of Checks Mean
	10-Jun	13-Jul	11-Oct			2022
						Total
Freedom!MR	2.50	0.58	0.79	3.86	80	107
BAR TP10	2.54	0.47	0.81	3.82	80	106
Cinnamon Plus	2.37	0.57	0.86	3.80	81	105
Raptor	2.40	0.58	0.80	3.77	82	105
RC08	2.36	0.56	0.85	3.76	86	104
Blaze	2.50	0.42	0.81	3.73	82	103
Evolve	2.44	0.47	0.81	3.73	83	103
CW30091	2.40	0.42	0.88	3.71	84	103
TP-12	2.29	0.68	0.69	3.67	76	102
Redkin	2.36	0.43	0.81	3.60	80	100
CW040040	2.21	0.51	0.80	3.51	85	97
Marathon	2.30	0.39	0.74	3.42	82	95
Barduro	2.13	0.43	0.75	3.30	80	91
						Ck. Mean (t/a)
Mean	2.36	0.49	0.80	3.66	83	3.61
5% LSD	0.31	0.14	0.11	0.37	7	
CV (%)	9.4	20.8	9.6	7.1	5.6	

Marathon and Cinnamon Plus are the check cultivars for Cornell Red Clover Trials.

[back to top](#)

Trial means are for 16 trial entries.

2022 New York Red Clover Yield Trials

Cornell U. Agricultural Experiment Station, Tompkins Co., Ithaca, NY

Planted May 2022. Trial was not harvested for yield in seeding year.

Released And Experimental Varieties	Company
---	---------

20-LARC-1

BY-RC31	BrettYoung
Cinnamon Plus	check
Evolve	DLF Pickseed
Marathon	check
Medallion	DLF Pickseed
Redkin	DLF Pickseed
Ruby Red	Albert Lea Seed