



Field Crops, Forages and Soils Updates for NNY

20 November 2019

- NNY Weather Summary for April 1 through October 31, 2019. The 2019 growing season ended on a decidedly wet note. Despite the wet fall, more than half these listed NNY locations have 2019 precipitation totals that below normal seasonal totals. We generalize about the long cool and wet spring that began the 2019 season, but some of the driest locations listed did not experience a wet spring. For those areas, spring was cool but not overly wet. Summer was then drier than normal. Average daily temperatures were well below normal for the season, resulting in base-50 GDD accumulations that are uniformly about 10% low for the season. GDD started off behind schedule and never recovered.



----- Accumulation from April 1 to Oct 31, 2019 -----

County	Town/Village	--- Precipitation, in ---			- GDD Base 50F -		GDD Base 40F
		Total	DFN	Days	Total	DFN	Total
Clinton	Champlain	29.40	-1.16	97	2095	-275	3921
	Ellenburg Depot	27.67	0.66	101	1851	-299	3598
	Beekmantown	26.14	-0.53	93	2141	-253	3970
	Peru	24.16	-0.10	90	2159	-222	3987
Essex	Whallonsburg	31.76	4.46	93	2261	-161	4128
	Ticonderoga	30.39	1.43	90	2343	-192	4223
Franklin	Bombay	27.57	-1.69	101	2023	-254	3844
	Malone	25.60	-3.00	104	1904	-220	3684
	Chateaugay	29.27	0.14	101	1904	-248	3670
Jefferson	Rodman	35.91	6.34	106	2048	-261	3893
	Cape Vincent	28.76	3.80	109	1966	-282	3805
	Evans Mills	34.93	6.60	116	2201	-257	4065
	Redwood	29.76	-0.81	102	2111	-217	3965
	Antwerp	30.51	2.53	103	1985	-258	3805
Lewis	Talcottville	34.23	4.63	107	1781	-158	3560
	Martinsburg	31.77	4.41	105	2027	-166	3885
	Carthage	32.13	4.44	105	2014	-228	3853
St. Lawrence	Gouverneur	28.07	-1.36	107	1897	-253	3705
	Hammond	26.53	-3.01	108	1985	-163	3810
	Ogdensburg	25.78	-3.21	97	1993	-256	3812
	Canton	27.55	-2.80	105	2030	-250	3843
	Madrid	24.55	-4.60	103	1978	-265	3777
	North Lawrence	26.12	-3.49	108	2025	-295	3844
	Louisville	23.37	-7.03	91	1977	-228	3787
Average		28.83	0.28	102	2029	-236	3851

* Precipitation in inches, temperature in Fahrenheit, DFN = difference from 15-year average, Days = days with precipitation. Calculated from [ACIS NRCC 2.5-mile gridded datasets](#). **High** and **low** values within each column are highlighted.

Weather Summary continued

Parts of NYS spent time this season categorized as a very mild drought. The USDA and NOAA labeled portions of Franklin, Clinton and Essex as ‘abnormally dry’ in early August, and this drought situation spread to most of Franklin and St. Lawrence County with bits of northern Jefferson later in the month. Rolled corn was a common observation across these areas. By the end of August and early September, this ‘abnormally dry’ categorization included almost all of NNY. See maps below. Some rain relieved more southern margins of this dry area, but droughty weather persisted through the first week of October when rainy weather set in all across the Northeast.

Corn harvest was interrupted and delayed with wet fall weather. As of the November 17 NASS report, just 80% of corn silage has been harvested and only half of grain corn has been harvested. The report also lists 75% of soybeans are harvested. Wet conditions continue across the state through mid-November with the majority of reports indicating surplus soil moisture.

Winter 2019-2020 Weather Forecasts

Weather forecasts for NNY for December 2019 through February 2020 are for approximately normal temperatures and precipitation. Beyond February, predictions for March, April and May 2020 are for approximately normal temperatures and perhaps slightly below normal precipitation for the northernmost border areas of NNY.

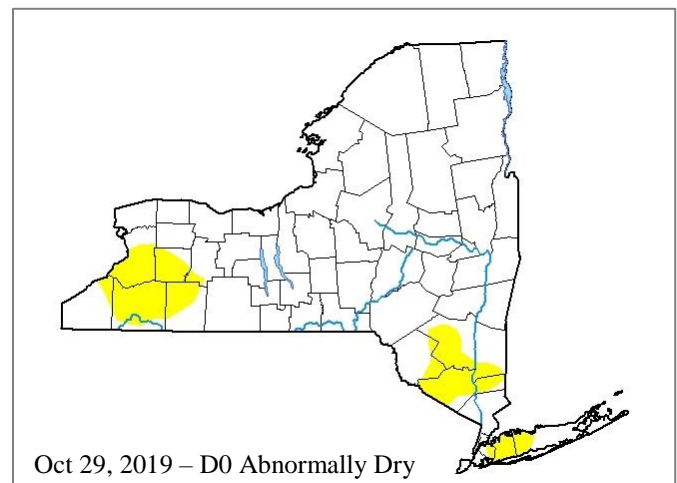
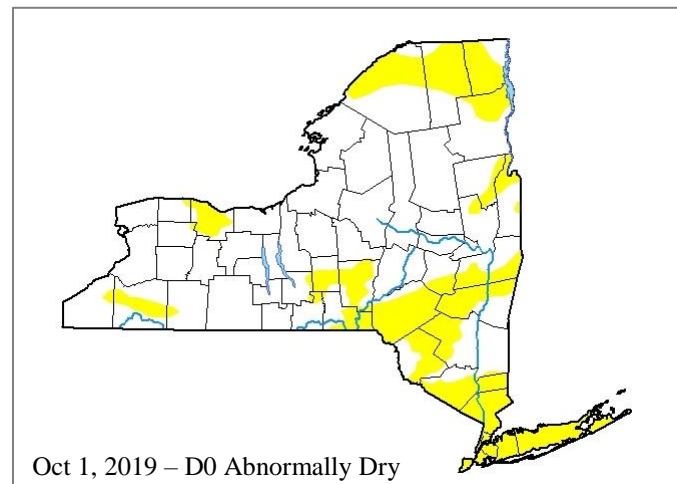
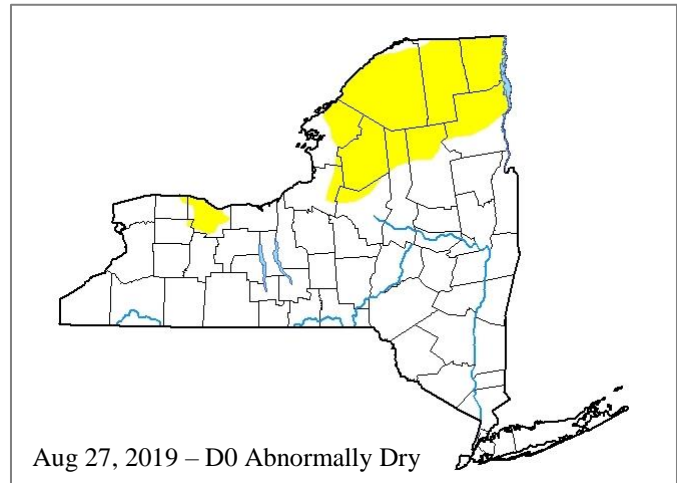
Additional resources:

1. [Cornell Cooperative Extension’s North Country Regional Ag Team Web Resources](#)
2. [New York Integrated Pest Management \(NYSIPM\) Web Resources](#)
3. [Weekly Crop Progress & Condition Report. 2019. New York USDA-NASS.](#)
4. [Northeast Regional Climate Center](#)

For more information about field crop and soil management, contact your local Cornell Cooperative Extension office or your CCE Regional Field Crops and Soils Specialists, Mike Hunter and Kitty O’Neil.

Kitty O’Neil
 CCE Canton Office
 (315) 854-1218
kitty.oneil@cornell.edu

Mike Hunter
 CCE Watertown
 (315) 788-8450
meh27@cornell.edu



Our Mission

“The North Country Regional Ag Team aims to improve the productivity and viability of agricultural industries, people and communities in Jefferson, Lewis, St. Lawrence, Franklin, Clinton and Essex Counties by promoting productive, safe, economically and environmentally sustainable management practices and by providing assistance to industry, government, and other agencies in evaluating the impact of public policies affecting the industry.”

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 associates, county governing bodies, and U.S. Department of Agriculture cooperating.