



Newsletter

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CaroVail

Agronomy Update

July 15, 2016

Locations

Auburn

55 Columbus St
Auburn, NY 13021
315-253-7379

Bernardston

472 Northfield Road
Bernardston, MA
01337
413-648-9900

Niverville

831 Route 28
Niverville, NY 12130
518-784-9166

Oriskany Falls

8341 US State Rt 20
Oriskany Falls, NY
13425
315-841-3201

Salem

4134 State Rt 22
Salem, NY 12865
518-854-9446

Tri Valley Crop Ctr

337 State Hwy 162
Sprakers, NY 12166
518-673-5336



Foliar Feed Test

Melissa Pinckney

Foliar feeding is a technique used to supply nutrients to the plant through foliage. It requires liquid fertilizer sprayed directly to the plants leaves. Foliar feeds are recommended when the plant is undergoing stress. This could be caused from nutrient imbalances, moisture in the soil, high or low pH's, pests affecting nutrient uptake and drought stress. Due to the drought stress that we are undergoing in New York, the uptake of nutrients is stagnant, creating a setback in several crops mainly corn and soybeans. The idea of this foliar feed is to provide the plant with essential nutrients that can't be absorbed during important growth stages. It's often believed that foliar feeding is associated with higher yields and proven results. As a summer intern I was interested in learning more about foliar fertilizers and the positive impacts it can have on yields. I created a test plot, monitoring bi-weekly measurements and observations on CaroVail's Soybean Finisher 4-9-5 vs. an untreated plot. CaroVail's Soybean Finisher analysis includes: 4% Total Nitrogen, 9% Available Phosphate, 5% Soluble Potash. This fertilizer is ready to use, ideally used for a foliar spray application. It is compatible with fungicides, herbicides, and insecticides. CaroVail's finisher product can be used all season long.

CaroVail's Soybean Finisher
Week One



Untreated
Week One



Planting Date: June 7th
Variety: Asgrow Soybean Seed
Date of Application: June 30th
Stage of Crop: Third Trifoliolate

Auburn

Bernardston

Niverville

Oriskany Falls

Salem

Tri Valley

Responsible Ag and Responsible Partners in the Community

Recently, our facility in Auburn became the first CaroVail facility to be fully certified with the Responsible Ag program.

For those that may not know, the Responsible Ag program is an initiative led by the fertilizer industry with the goal of promoting safe storage and handling practices. According to Responsible Ag: "The program seeks to improve safety and security associated with storage and handling of fertilizer products, supporting compliance with federal regulations, demonstrating accountability and transparency and providing for the safety of employees, customers and communities-while continuing to serve the vital need of the agricultural community for crop nutrients." Certification occurs after a rigorous onsite audit process.

CaroVail is an early adopter of this program and is excited about the opportunity to further build upon a culture of safety and social responsibility. The certification of our Auburn facility is a first step. We would like to extend congratulations to our team in Auburn and look forward to our remaining facilities completing their certification process (all are very close!).

Auburn Facility Wins Award

Congratulations to our team in Auburn – Regional Winners of the 2016 Environmental Respect Award sponsored by DuPont.

The team has worked hard to improve and cleanup the facility. This is just another sign of how seriously CaroVail takes its responsibility as a member of its surrounding community.

Weather Update

	Approx. Weekly Rainfall	Avg expected high Temp next week	Avg expected Low Temp next week	GDD (Base 50) since Jan 1	GDD (Base 50) since Mar 1	GDD (Base 50) since Apr 1	GDD (Base 50) since May 1
Auburn	0.39	89	65	1077	1077	1053	1017
Bernardston	0.49	85	62	1086	1086	1061	1008
Niverville	0.37	87	64	1130	1130	1097	1041
Oriskany Falls	0.48	82	62	1051	1051	1014	978
Salem	0.33	86	62	954	954	930	886
TVCC	0.26	84	61	1230	1230	1200	1127

Auburn

Bernardston

Niverville

Oriskany Falls

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Tri Valley



United States Department of Agriculture
National Agricultural Statistics Service





New York

Crop Progress & Condition

Blair Smith, State Statistician
10B Airline Drive, Albany, NY 12235
Phone: 518-457-5570 Fax: 800-591-3834

www.nass.usda.gov/ny
Week ending July 10, 2016
Issued weekly on the internet, April - November
by the Northeastern Regional Field Office of NASS
nassrfoner@nass.usda.gov
Released July 11, 2016

Excellent Week for Field Work: New York had an average of 6 days suitable for field work. Dry weather continued this week for most of New York. Short thunderstorms hit some parts providing few inches of rain. However, storms also brought hail in some areas, and several orchards reported losses again this week. Fire blight continues to be a problem, but growers have been able to manage most of the damage. Fruit continues to grow with reports of irrigated sweet cherries already being harvested, while tart cherries are coloring nicely and nearing harvest in the next week or two. In several areas the state is experiencing low regrowth of hay for their 2nd cutting. Reports of corn and soy indicated that dry soil conditions are having a negative impact on yields and growth. Dry weather has also caused some farmers to have to start supplementing pastures, which usually does not occur until later in the season. Wheat harvest continued and yield is reported as excellent. Field activities for the week included weed control, tillage, seeding, applying fertilizer, manure, pesticides, irrigation, repair and maintenance.

Soil Moisture for Week Ending July 10, 2016
(in percent)

Item	Very Short	Short	Adequate	Surplus
TOPSOIL	22	28	38	12
SUBSOIL	22	26	42	10

Crop Conditions as of July 10, 2016
(in percent)

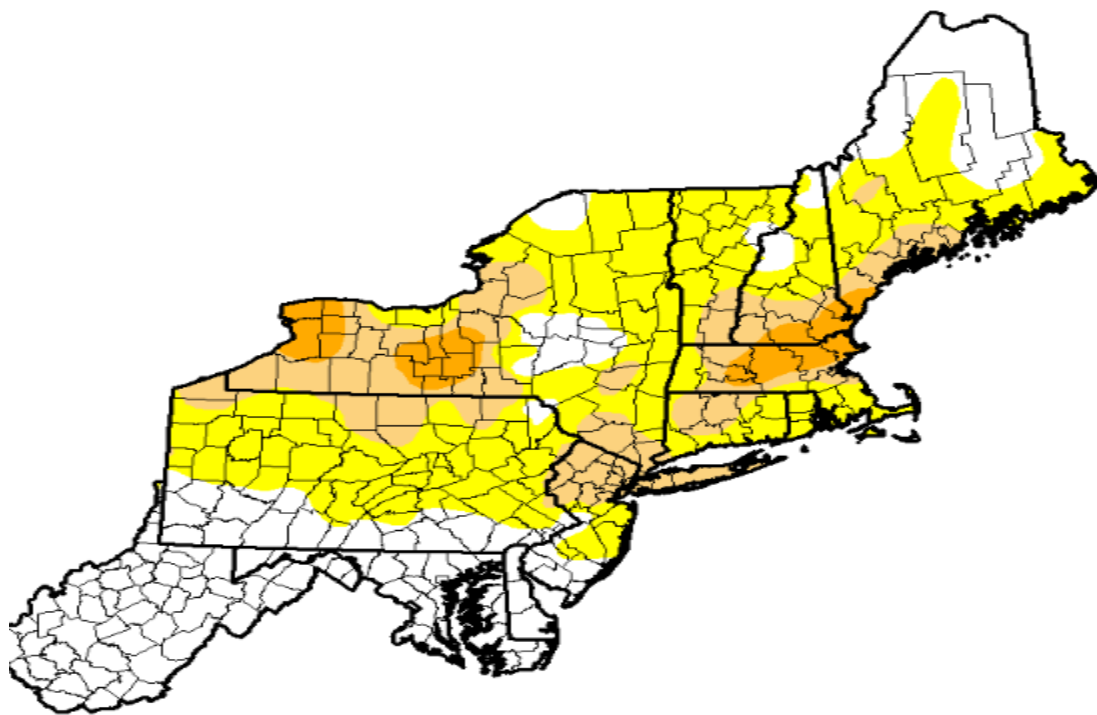
Item	Very Poor	Poor	Fair	Good	Excellent
BARLEY	0	3	29	66	2
CHERRIES, SWEET	52	37	3	8	0
CORN	4	6	24	50	16
GRAPES	0	1	20	78	1
HAY, ALFALFA	5	5	35	46	9
HAY, OTHER	7	9	35	44	5
OATS	1	2	23	69	5
PASTURE AND RANGE	3	9	42	40	6
PEACHES	35	1	0	64	0
PEARS	11	5	6	78	0
SOYBEANS	4	10	30	48	8
WINTER WHEAT	1	5	25	55	14

Crop Progress as of July 10, 2016
(in percent)

Item	This Week	Last Week	Last Year	5 Year Avg.
BARLEY: HEADED	73	68	44	48
BARLEY: HARVESTED	11	<5	0	0
CABBAGE: PLANTED	95	94	86	91
CORN AVERAGE HEIGHT: (IN.)	26	21	34	N/A
HAY, ALFALFA: SECOND CUTTING	56	42	24	34
HAY, OTHER: FIRST CUTTING	97	94	80	88
HAY, OTHER: SECOND CUTTING	52	35	21	16
OATS: HEADED	88	81	41	58
POTATOES: PLANTED	91	88	96	99
SNAP BEANS: PLANTED	88	80	57	78
SOYBEANS: EMERGED	94	92	90	83
SOYBEANS: BLOOMING	22	<5	<5	0
SWEET CORN: PLANTED	95	93	89	96
WINTER WHEAT: HARVESTED	6	<5	<5	15
CHERRIES, SWEET: HARVESTED	25	16	21	35

U.S. Drought Monitor

Northeast



July 12, 2016
 (Released Thursday July 14, 2016)
 Valid 8 a.m. EDT

Statistics type:

Traditional Percent Area

Export table:



Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2016-07-12	35.97	64.03	22.79	5.08	0.00	0.00
Last Week 2016-07-05	34.35	65.65	20.82	1.82	0.00	0.00
3 Months Ago 2016-04-12	88.13	11.87	0.00	0.00	0.00	0.00
Start of Calendar Year 2015-12-29	62.10	37.90	6.60	0.00	0.00	0.00
Start of Water Year 2015-09-29	42.41	57.59	9.00	0.00	0.00	0.00
One Year Ago 2015-07-14	91.18	8.82	2.25	0.00	0.00	0.00

Estimated Population in Drought Areas: **30,142,825**

[View More Statistics](#)

Intensity:

D0 (Abnormally Dry)

D2 (Severe Drought)

D4 (Exceptional Drought)

D1 (Moderate Drought)

D3 (Extreme Drought)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying [text summary](#) for forecast statements.