



Newsletter

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CaroVail

Agronomy Update

December 2, 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



Turning Data Into Information

Wow!! There sure are all types of data and data collection systems available to help make crop management decisions. With the many system and data options, there are also as many opinions on how to use, when to use, if to use, or is it of any use when it comes to the treasure trove of data out there.

Potential layers from yield to infrared real-time visualization of the growing crop leads to data piling up, waiting for interpretation. Multiple systems or multiple data sources allow for layering of things such as genetics, soil information (types, pH, fertility), plant populations, pest, GPS coordination, and weather.

Critical factors are accuracy and integrity of the data, number of years of data, number of data points, compatibility of data collection systems and amount of data to be evaluated.

Yield data with field maps can be a good starting point to begin field evaluation. The effects of hedgerow management, outcroppings, drainage concerns, looking at field dynamics, slope, soil types, soil fertility, soil pH's, soil depth, and compaction can all be evaluated. Can a positive change be made to address any of these concerned areas of the field? What will be the cost benefit ratio of these changes? Once identified can GPS coordination be made to zone soil test, variable rate seed and fertility, variety selection, and crop protection?

Careful evaluation of system costs and control devices need to be considered. What is the financial impact of data collection and its conversion into information that will impact cropping inputs, rotation, and profitability? We are in a data rich world. Who benefits from this depends on interpretation, implementation and a bit of common sense.

Auburn

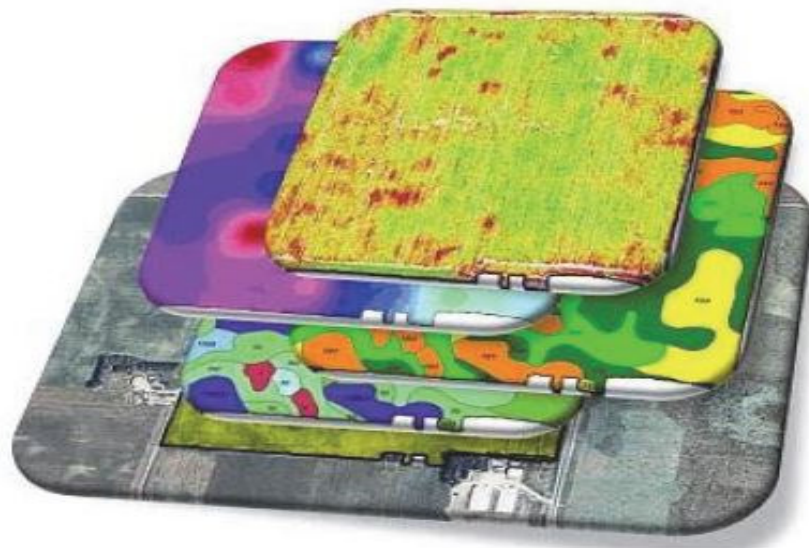
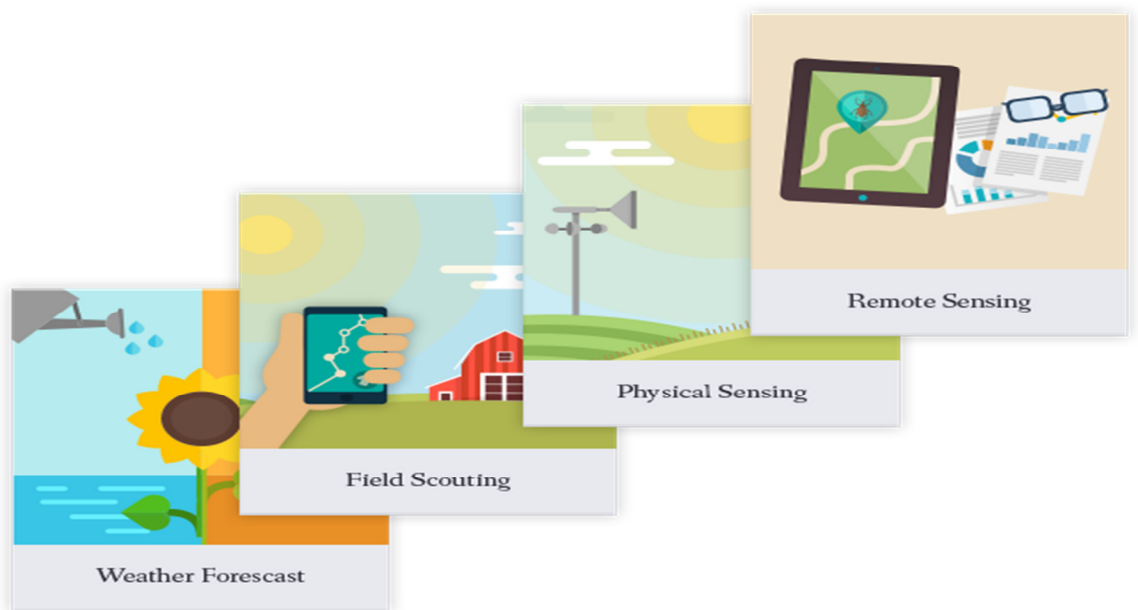
Bernardston

Niverville

Oriskany Falls

Salem

Tri Valley



Auburn

Bernardston

Niverville

Oriskany Falls

Salem

Tri Valley



Changes At CaroVail

Recently, CaroVail has undergone a number of upgrades at our plants to continue to better service our customers.

As mentioned a few months ago, we built a new fertilizer plant at our Niverville location. This will increase storage, improve efficiency, and greatly reduce wait times for customers. We are very excited about the impact that this new facility will have on our customer base in Niverville.

At our Auburn and Oriskany Falls locations, we have moved toward 16 ton Doyle drum blending systems. These new blenders will greatly increase the mixing capacity and reduce load out time. We estimate that the blending and loading process will be sped up by 30%. This should greatly reduce the waiting time for product and also allow us to more efficiently load for deliveries / applications.

All of these changes and investments are geared toward in better servicing our customers. We know how valuable your time is and how critical timely product deliveries can be. We think these changes will help us and help our customers greatly moving forward. And, as always, we will continue to find ways to deliver the level of service that you expect from us and that we expect from ourselves.

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 | 1.3 | 41 | 32 | 2896 | 2896 | 2871 | 2835 |
| Bernardston | 1.0 | 41 | 26 | 2862 | 2862 | 2836 | 2783 |
| Niverville | .51 | 41 | 29 | 2930 | 2930 | 2897 | 2841 |
| Oriskany Falls | 1.77 | 37 | 26 | 2841 | 2841 | 2804 | 2767 |
| Salem | 1.43 | 39 | 27 | 2510 | 2510 | 2486 | 2442 |
| TVCC | 1.61 | 40 | 29 | 3128 | 3128 | 3097 | 3024 |


United States Department of Agriculture
National Agricultural Statistics Service


Crop Progress & Condition



New York

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 November 27, 2016
Issued weekly on the internet, April - November
by the Northeastern Regional Field Office of NASS
nassrfoner@nass.usda.gov
Released November 28, 2016

Poor Week for Field Work: New York had an average of 2 days suitable for field work. Many areas throughout the state experienced snow and/or rain throughout the week. Several locations that reported snowfall experienced severe winter weather conditions, with snow accumulation reaching upwards of 2 feet in the heaviest hit areas. Despite the precipitation, some areas were still listed as being in a D1 "moderate drought" or D2 "severe drought" category under the U.S. Drought Monitoring system. Soybean harvest is nearly complete, however, corn for grain still needs to be harvested in several counties throughout the Empire State. Winter wheat continued to be reported as looking excellent. Grape growers were cleaning and winterizing equipment. Field activities for the week included harvesting, repair and maintenance/winterization of equipment.

Crop Progress as of November 27, 2016
(in percent)

| Item | This Week | Last Week | Last Year | 5 Year Avg. |
|---------------------------|-----------|-----------|-----------|-------------|
| FALL TILLAGE: SINGLE | 88 | 87 | 94 | N/A |
| CORN: HARVESTED FOR GRAIN | 70 | 66 | 91 | N/A |
| SOYBEANS: HARVESTED | 91 | 90 | 95 | N/A |
| WINTER WHEAT: EMERGED | 90 | 90 | 94 | N/A |

Soil Moisture for Week Ending November 27, 2016
(in percent)

| Item | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| TOPSOIL | 8 | 16 | 57 | 19 |
| SUBSOIL | 9 | 25 | 54 | 12 |

Crop Conditions as of November 27, 2016
(in percent)

| Item | Very Poor | Poor | Fair | Good | Excellent |
|--------------|-----------|------|------|------|-----------|
| WINTER WHEAT | 0 | 3 | 5 | 65 | 27 |