

Cornell Cooperative Extension

Northwest NY Dairy, Livestock and Field Crops Program

A partnership between Cornell University and the Cornell Cooperative Extension Associations in these ten counties:
Genesee, Livingston, Monroe, Niagara, Ontario, Orleans, Seneca, Wayne, Wyoming & Yates

CROP ALERT

July 26, 2019

Mike Stanyard & Jodi Putman, Regional Agronomists, Cornell Cooperative Extension, NWNY Team

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Red-headed Flea Beetle

Many of you may not be familiar with this large flea beetle. It usually is not present in high numbers so it flies under the radar. There seems to be lots of them this year and I have seen them feeding on soybean leaves as well as many weed species in the field. I do not see it as a problem unless other soybean defoliators such as Japanese beetles and grasshoppers are also present and feeding. There are no economic thresholds available for this beetle.



Photo Credit: Tracey Baute, OMAFRA

Wheat Harvest has Finally Begun!

Wheat harvest has begun throughout the region and the early yield reports have been very positive so far. I have not heard any reports back on VOM levels but hopefully everyone is below 2ppm! Lower wheat acreage means that straw prices are up. I have had some questions on the nutrient value of wheat straw. Numbers from Ohio and Michigan State have shown that a ton of wheat straw contains from 11-13 pounds of N, 3-3.3 pounds of P and 20-23 pounds of K. For further details see this article from OSU. <http://agcrops.osu.edu/newsletter/corn-newsletter/nutrient-value-wheat-straw>



Western Bean Cutworm Moths have Emerged

We captured our first Western Bean Cutworm (WBC) moths in pheromone traps in NWNY last week. The WBC trap network is set up again across the state to monitor adult emergence. Peak emergence has traditionally been around August 1. Females prefer to lay their eggs in pre-tassel corn. Larvae will briefly feed on the tassel and pollen before moving inside the corn ear. However, corn is just beginning to tassel in the region. More pressure will be put on this earlier corn as it will be at the right stage and highly attractive for egg laying. Remember, only plants with the Vipera Bt will have some protection from feeding injury. Threshold is 5% or greater of the plants with egg masses. Here is a good link from Chris DiFonzo out of Michigan on how to scout and make insecticide application decisions, <http://msue.anr.msu.edu/news/time-to-scout-and-manage-western-bean-cutworm-in-southern-michigan>



New and Developed WBC Egg Masses

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Cover Crop Options for 2019

Wheat harvest has kicked off which means there will be open acreage across New York to plant some cover crops. We also have the opportunity to grow more forage crops like sorghum, forage oats and triticale which can help mitigate any forage losses from the wet spring. The last few years of research has shown us that the first half of August has been the optimal planting window for a successful cover crop and summer seeding. It is important to pay attention to timing and your seed-bed conditions. Having adequate soil moisture and a seedbed that maximizes seed to soil contact will help ensure a rapid, more uniform emergence. Cover crops have been planted with many different drills, air flowed, broadcast and aerially applied. All can be successful, however proper calibration can be tedious and very frustrating. Most planters don't have the settings for some these non-traditional plants. Take the time to figure it out! Don't waste your time or money applying too much or too little. There are a lot of options when it comes to choosing a cover crop species (see table below).

	Drilled	Broadcast	Price/lb.	Winterkill?
Annual Rye Grass	10-20 lbs.	20-30 lbs.	\$ 1.00	N
Sorghum- Sudangrass	30-40 lbs.	30-40 lbs.	\$ 0.90	Y
Crimson Clover	12 lbs.	20 lbs.	\$ 1.05	N
White Clover	5-9 lbs.	7-12 lbs.	\$ 3.00+	N
Red Clover	7 lbs.	10 lbs.	\$ 2.15	N
Field Peas/ Austrian Winter Peas	120/50 lbs.	140/60 lbs.	\$ 0.60-0.65	Y/N
Hairy Vetch	15-20 lbs.	25-30 lbs.	\$ 2.00	N
Forage Radishes	8-10 lbs.	12 lbs.	\$ 1.50	Y
Forage Turnips, Purple Top	4-7 lbs.	10-12 lbs.	\$ 2.30	N
Oats (Spring or Forage)	80-110 lbs.	110-140 lbs.	\$ 0.40-0.50	Y
Triticale	80 lbs.	110 lbs.	\$ 0.39-0.44	N
Wheat	70 lbs.	100 lbs.	\$ 0.40+	N
Winter Cereal Rye	60lbs.	85 lbs.	\$ 0.28- 0.34	N

*2018 price reflection and subject to change, contact your local dealer.

Summer Seeding Alfalfa Offers a Number of Advantages Over Spring Seeding:

- Less weed pressure, therefore this can be an optimum time to seed legume-grass mixtures, which have limited herbicide options.
- Spreads out the planting workload.
- Harvest a small grain crop followed by a full forage production year after seeding.
- Perennial forages can get a jump start on the growing season and can produce at or near established stand production the following year.
- Increase soil health, reduce soil erosion through the winter months.
- More time to prepare an optimal seedbed in the summer.

For optimum crop establishment and to minimize winterkill approximately 6 to 8 weeks are needed for the seedlings to germinate and develop sufficient root reserves to survive.

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2019 NYCSGA Summer Crop Tour July 30 at Merrimac Farms, Inc., Mt. Morris

Keynote Speakers: Missy Bauer & Peter "Wheat Pete" Johnson

Missy Bauer is an independent crop consultant with B&M Crop Consulting out of Coldwater, MI. She acts as the Farm Journal Associate Field Agronomist and coordinates the Farm Journal Test Plots in the eastern Corn Belt.

Missy also is an agronomist for AgDay Farm Journal College TV. Missy has hosted Corn College and Soybean College in addition to helping Ken Ferrie with Corn College in Heyworth, IL. Previously, Missy had been a field agronomist with The Andersons for eight years. She coordinated agronomy research farms in Michigan, Indiana, and Ohio which were used to educate customers on agronomic practices, test new products and systems, and to evaluate current products.

Peter Johnson, @WheatPete, is the agronomist for RealAgriculture.com and he loves to talk WHEAT! His weekly update, "Wheat Pete's Word", gives timely tips and answers to questions that growers ask.

Full agenda:

8:00 – 9:00 registration

9:15 Understanding the Yield Components that Drive Soybean Yields-Missy Bauer

10:15 Factors to Help Increase Corn Yields for 2020- Missy Bauer

11:15 Weather, Weeds, and Where We Go From Here- Peter "Wheat Pete" Johnson

12:15-1:30 Lunch BBQ by 3 Legged Pig

1:30-3:30 Afternoon breakout sessions:

A. Know Your Weeds Broadleaf Identification-Mike Stanyard, CCE-NWNY Team

B. Know Your Weeds Grass Identification- Mike Hunter, CCE-NNY Team

C. Integrating Drone Technology for Weed Management- Christopher Flansburg, Agronomist BCA Ag Technologies, A Division of LandPro Equipment

D. What's Bugging You? Peter "Wheat Pete" Johnson

To register visit: www.2019summercrouptour.eventbrite.com DEC and CCA credits will be offered!

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