Cornell Cooperative Extension invites you to join us for a soybean field day. Keith Waldron, Livestock and Field Crops IPM Coordinator will be discussing common soybean pest, disease thresholds, and IPM practices. In addition we will have in-field scouting demonstrations and pest & disease identification.

Henry Kelsey, WNYCMA, will be on hand to discuss planting techniques, variety selection, and stand evaluation. Bob planted 3 varieties of soybeans this spring; we will evaluate those three plants varieties and their respective fields.

Two (2) DEC recertification credits are available for this event in core and categories 1a, 10, 21, and 23.

Contact CCE-Steuben at 607-664-2300 or email Kerri at ksb29@cornell.edu for more information and to register. Registration is appreciated by July 20\textsuperscript{th}. There is no charge to attend. The farm is located at 7371 County Road 27, Hornell (Town of Howard).

Note: In order to receive pesticide recertification credits, you must be present for the full event. Please bring your pesticide certification number with you to Sign In. All attendees looking to receive pesticide credits will need to sign in with name and certification number at the Registration Table.
Steuben County Crowns 2014 Dairy Princess:

Paige Demun, the 16 year old daughter of Keith and Lisa Demun of Troupsburg, NY was named the 2014-2015 Steuben County Dairy Princess. Paige attends Jasper-Troupsburg Jr/Sr High School, where she is a High Honor Roll student. Paige is active in Softball, Basketball, Soccer, Band, Marching Band, Jazz Band, FFA, Yearbook, Academic All-Stars, National Jr. Honor Society, National Honor Society and the National Society of High School Scholars. Paige is also a member of the Dairy Dreamers 4H Club, the Allegany/Steuben Holstein Club, NY State Holstein Association, NY State Ayrshire Association, and the NY State Brown Swiss Association. Paige is the 4th generation on the Family's Farm, Fi-De Farms. Paige enjoys working with her cows and showing them at the Allegany/Steuben Holstein Club, the Steuben County Fair as well as at State Fair. Paige has been involved with the Steuben County Dairy Promotions Program for five years, serving as an dairy ambassador.

Paige will receive assistance promoting the benefits of consuming milk and dairy products from our Dairy Ambassadors and Dairy Maids.

Morgan Pierce is the 16 year old daughter of Mitzi Pierce-Loscig and Terry Pierce. She attends Addison High School where she is involved in Red Cross club, Youth 4 Youth, class council, and 4H. Morgan enjoys showing dairy cows at local fairs and helps out around her farm, Mo-Jo Farms.

Megan Ross is the 12 year old daughter of Gordon and Jennifer Ross of Troupsburg, NY. Megan is a 7th grader at Jasper-Troupsburg Jr./Sr. High School. She enjoys FFA, Soccer, Basketball, Track, Chours, and Band. Megan is a member of the Dairy Dreamers 4H club and enjoys showing her cows at the Fair.

Sara Stierly is the 10 year old daughter of John and Christine Stierly of Tuscarora. Sara attends Tuscarora Elementary school, where she participates in drama club, band and chorus. She is active in the Canisteo Valley 4H Stars and she enjoys showing sheep and swine at the Fair.

Haley Grace, 16 of Addison NY is the daughter of Jerry and Marybeth Grace. She attends Addison High School. She is involved in Marching and Concert band. Haley enjoys working and helping at friends farms. She enjoys helping prepare cows for local fairs.

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Stephanie Mehlenbacher, Horticulture
Hans Walter Petersen, Grapes
Brett Chedzoy, Forestry
Emily McCaig is the daughter of Joe and Tracey McCaig from Jasper, NY. She attends Jasper-Troupsburg Elementary School. Emily enjoys helping out on the family farm (Joker’s Dairy), and especially working with her show animals. She is active in Soccer at school and showing her animals throughout the summer.

Brynn Scholl is the 9 year old daughter of Amanda and Andy Lewis and Brian Scholl. She attends Jasper-Troupsburg Elementary School, where she participates in Small Fry Soccer. Brynn enjoys showing her cows at the Allegany/Steuben Holstein Club and other local fairs.

Fusarium Head Blight Alert
Gary Bergstrom, Extension Plant Pathologist, Cornell University

Winter wheat and barley in New York State are now past the flowering and early post-flowering stages so fungicide applications are no longer advised on winter cereals. Attention now turns to spring wheat and especially to spring malting barley crops some of which have emerged from the boot and have begun flowering. The next 10 days will be critical for farmers making fungicide spray decisions for suppression of Fusarium head blight (FHB) and protection of flag leaves from foliar diseases in spring cereals. The triazole products Caramba and Prosaro are the most effective fungicides for suppression of FHB and deoxynivalenol (DON) toxin contamination when applied at wheat flowering (emergence of anthers on heads) or at full head emergence in barley (anthers begin to appear on barley before heads emerge from the boot). A flowering application of triazole fungicide should be based on Fusarium head blight (FHB) risk as well as the risks of powdery mildew, rust, and fungal leaf blotches in the upper canopy based on scouting of individual fields. There is an application window of approximately 5-6 days from the beginning of flowering in which reasonable FHB suppression can be expected. Fungicide products containing strobilurins should not be applied to headed wheat or barley as they may result in increased levels of DON in grain. The current risk of FHB epidemics is moderate to high for spring wheat and barley over much of the state; that risk could remain high if warm, humid conditions with frequent rainfall continue through this week.

Check the Fusarium Risk Assessment Tool (http://www.wheatscab.psu.edu/) and your local weather forecast frequently as your crop approaches flowering. FHB symptoms are beginning to appear in winter cereals so this is an excellent time to scout your winter cereal fields to assess FHB incidence and to identify fields that may be at higher risk for DON toxin contamination.

For the latest news and updates from the U.S. Wheat & Barley Scab Initiative, go to http://www.scabusa.org

To see past blog entries for this region: http://scabusa.org/blog/10

DairyProfit Seminars set for 2014 Empire Farm Days

The DairyProfit Seminars are set for August 5-7 on the 300-acre show grounds at Rodman Lott & Sons Farm. They will include a pre-show farm tour, strategies for finding the next 10 pounds of milk, maximizing pregnancy rates and lessons learned about shredlage. The programs feature Cornell speakers, farmers and agriservice professionals in a discussion...
panel format.

The seminars are sponsored by Alltech, American Farm Products, Cargill Animal Nutrition, Farm Credit East, Lallemand Animal Nutrition, Lincoln Financial Advisors and PikeSide Enterprises and is a collaboration between Cornell’s PRO-DAIRY and DairyBusiness East magazine.

Each session starts at 9:30 am at the Dairy Seminar Center, located on the show grounds. The seminars are free and open to the public. They will be followed at noon by an industry update from the American Dairy Association and Dairy Council and a picnic lunch.

Tuesday, August 5
9:30 am – How to avoid losing a dollar per cow every day
Tony Hall, dairy technical services manager with Lallemand Animal Nutrition, will cover the hidden costs of sub acute rumen acidosis (SARA) on every dairy farm, beginning with the post fresh cows and on into early to mid lactation. This would include some up-to-date work done in the northeast using remote rumen pH boluses to see what was happening real time on a commercial dairy farm with a well formulated TMR. The presentation will conclude with some practical recommendations for primary producer teams and their nutritionists to help avoid SARA and reduce exposure to this $ per cow daily loss.

10:30 am - Maximizing the pregnancy rate in your herd
Dr. Julio Giordano, Cornell University, will lead the discussion about the variety and combination of factors that affect pregnancy rate in dairy cattle. Dr. Giordano will also moderate a dairy farmer panel where local farmers, Jon Prokop, Crossbrook Farm; Mackenzie Reynolds, Reyncrest Farms; and Scott Buffin, Chaffee Farms, will share how they achieve high pregnancy rates in their herds.

1:30 pm – Junior Dairy Leader Graduation
Junior Dairy Leader is a hands-on program for 16- to 19-year-old youth interested in learning about career opportunities in the dairy industry.

Thursday, August 7
9:30 am – A review of mycotoxins and their impact on dairy cattle production and health
Dr. Alexandra Weaver, technical support specialist with Alltech, will discuss what mycotoxins are, where they come from, the symptoms a dairy producer might see in their cows and strategies to combat the challenge.

10:30 am - What we’ve learned about shredlage
Michelle Woodman, Landmark Services Cooperative, WI, will kick off this seminar with a discussion about experiences with shredlage type forage on Wisconsin dairies. Dr. Larry Chase, Cornell University, will moderate a panel that includes Cliff Hanehan, Hanehan Family Dairy; Corwin Holtz, Holtz-Nelson Dairy Consulting; and Michelle Woodman.
Pre-Empire Farm Days Tour
Monday, August 4

PRO-DAIRY will host a tour of Walnut Ridge Dairy in Lansing, NY, Cornell University’s new dairy processing plant in Ithaca, NY and the new Cornell Dairy Research Center in Harford, NY, on Monday, August 4. A bus will be provided to minimize traffic on the dairies and lunch will be served on the Cornell campus prior to the tour of the dairy processing plant. Cost of the tour is $40 per person and pre-registration is requested; for more information and to register go to the PRO-DAIRY webpage at http://www.ansci.cornell.edu/prodairy/ and the “Save the Date” section.

High milk prices = a perfect time to start a Dairy Profit Team

A Dairy Profit Team is a management tool that helps producers plan for the long-term ebbs and flows of the dairy market. When milk prices are low, a Dairy Profit Team is critical in identifying immediate cost-saving measures. When milk prices are relatively high, as they are now, a Dairy Profit Team helps a producer assess priorities for capital improvements, identify steps for milk quality improvements, examine new management opportunities, and otherwise be on top of things when milk prices once again dip.

The NY Farm Viability Institute is now offering $2,500 grants to help producers start their own Dairy Profit Teams.

A Profit Team is a group of professionals, selected by the farmer, who meet regularly to discuss that specific farm, with the goal of making the business more successful.

Farmers who agree to hold at least seven Profit Team meetings during the 15-month grant period can be reimbursed for 80% of team fees, up to $2,500. Grant application PDF available on the Profit Teams page of the NYFVI website, www.NYFVI.org. Call 315-453-3823 with questions.

Easy Biological Control for Home Fruit Growers

The Spotted Wing Drosophila (SWD) is a small vinegar fly with the potential to damage many fruit crops. It was first detected in Michigan in late September 2010. Unlike most other vinegar flies that require damaged fruit to attack, SWD causes damage when the female flies cut a slit and lay eggs in healthy fruit. This insect is a pest of most berry crops, cherries, grapes and other tree fruits, with a preference for softer-fleshed fruit. Given the propensity for this insect to spread and its potential to infest fruit, it is important to learn about monitoring and management of SWD to minimize the risk of larvae developing in fruit and affecting fruit marketability. SWD was found in Steuben County in 2013.
Robert Hays of Hays Berry Farms at Dumas, MS recently shared an easy biological control method for SWD in a recent issue of Fruit Grower News. He started growing a few blackberries back in 2000 just for family, then a few more each year for friends and neighbors. The word spread quickly throughout his area, so he planted more and more, unable to satisfy demand.

Now he has almost six acres of trellised, thornless blackberries and still cannot supply the demand. He markets his berries by U-Pick and through local farms markets, his on-farm retail market, and local processors.

Robert discovered and shared that he could control late-summer spotted wing drosophila by installing 25 hummingbird feeders per acre in his six acres of blackberries, I contacted him to gather more information. He purchased 150 hummingbird feeders from Walmart, and filled each with plain, clear, sugar-water solution.

He reports that in his area, a pair of hummingbirds will hatch and rear up to five sets of their young each summer. While the young are too small to fly, he has seen the parents capture thousands of insects each day, including fruit flies, thrips, and aphids. The parents devour many, with most small-size insects taken to feed their young. He estimates there are more than 500 hummingbirds flying around his fields on picking days, some even landing briefly on pickers’ arms or hats.

Between his beneficial insects and his hummingbirds, he has not had to spray so far.
**DAIRY MARKET WATCH**

### Dairy Commodity Markets (USDA Dairy Market News):

**Butter:** Friday CME cash prices: 5/23 $2.18, 5/30 $2.30, 6/6 $2.22, 6/13 $2.19, and 6/20 $2.24. Strong cream demand from cream cheese and ice cream manufacturers caused some butter churn operators to cut loose volumes of cream for prices above break-even production points. Overall production rates are steady to lower. Export orders are sluggish. Inventories are tight with some anticipation of increased tightness in the coming months.

**Cheese:** Friday CME cash prices (40# blocks): 5/23 $2.02, 5/30 $1.96, 6/6 $2.05, 6/13 $2.03, and 6/20 $2.00. Cheese production is strong as increased milk supplies continue to be available in many parts of the country. Some cheese plants are also taking advantage of discounted loads of condensed skim to fortify vats and increase yields. Cheese inventories are increasing, but are being met with moderate to good demand as processors and end users look to rebuild their stocks.

**Dry Products:** Low/medium heat nonfat dry milk (NDM) prices mostly converged on an uneven market. Production of NDM is strong with supplies growing, while demand is for the most part moderate. Prices of dry buttermilk are lower in the Central and East, while maintaining to slightly higher in the West.

**Fluid Milk:** Several states in the Southwest and Southeast regions, along with California are seeing some declines in farm milk production. Most states in the northern tier of the country from West to East are

### Milk Component Prices

<table>
<thead>
<tr>
<th>Month</th>
<th>Butterfat</th>
<th>Protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 13</td>
<td>$1.79</td>
<td>$3.36</td>
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<tr>
<td>June 13</td>
<td>$1.66</td>
<td>$3.35</td>
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<tr>
<td>July 13</td>
<td>$1.57</td>
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<tr>
<td>Aug 13</td>
<td>$1.51</td>
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<td>Sep 13</td>
<td>$1.52</td>
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<tr>
<td>Apr 14</td>
<td>$2.12</td>
<td>$4.71</td>
</tr>
<tr>
<td>May 14</td>
<td>$2.27</td>
<td>$3.96</td>
</tr>
</tbody>
</table>

### April Utilization (Northeast): Class I = 35%; Class II = 24%; Class III = 26%; Class IV = 15%

[Class I = processed as beverage milk; Class II = soft products, cream, yogurt and cottage cheese; Class III = cheese (American, Italian), evaporated and condensed products; Class IV = butter, nonfat and whole milk powder.]

### Weekly Average CME Cash Price - 2010 to Present

![Graph of Weekly Average CME Cash Price - 2010 to Present](chart.png)

**Schuyler and Steuben – June 2014**
mostly steady with a few states showing some increases in production. However, as summer advances and temperatures rise, lower milk production rates are expected in those states.

**Milk Production:** Milk production in the 23 major States during May totaled 16.9 billion pounds, up 1.5 percent from May 2013. Production per cow in the 23 major States averaged 1,976 pounds for May. This is the highest production per cow for the month of May since the 23 State series began in 2003. The number of milk cows on farms in the 23 major States was 8.55 million head, 10,000 head more than April 2014.

**Comments:**

Milk prices continue to remain favorable for dairymen, and although a slow and steady decline in prices is expected, the year should close out as a good year. Class III prices may not fall below $20 until October or November, ending the year around $18.75, with an average price of over $21 for the year compared to $17.99 last year (Cropp, Bob. Memo to Dairy-L. 19 June 2014).

Butter stocks are tight, at 43.8% lower than a year ago and domestic and export sales are strong. Cheese sales have also been good and April exports were 32% higher than a year ago. April 30th total cheese stocks were 7.6% lower than a year ago. World dairy prices have declined considerably since the beginning of the year, reducing the price competitiveness of U.S. dairy products on the market. And world milk production has improved, so softening of exports is expected through the rest of the year (Cropp, Bob. Memo to Dairy-L. 19 June 2014).

An increase in milk per cow and number of cows is expected to grow the rate of milk production through the rest of the year. USDA’s latest dairy forecast has milk production for the year increasing 2.4%. To reach this, production levels will have to significantly increase the second half of the year (Cropp, Bob. Memo to Dairy-L. 19 June 2014). The small increase in milk production thus far in the year reflects the continuing challenges facing many producers in the West with drought and high hay prices. High beef prices are affecting cull rates, slowing the herd expansion expected in periods with good margins (Dunn, Jim. Dairy Outlook Report, Penn State. 20 June 2014).

Growing conditions are favorable for crops in the Midwest. USDA’s Crop Progress report shows that 15% of the nation’s corn, grown in the 18 states comprising 91% of the 2013 crop, is rated in excellent condition (week ending June 8). That is up from 13% the previous week and 10% a year ago. The report also shows that 87% of the soybean crop is planted, 6% ahead of the five year average, and 12% of the crop is rated as excellent. The report shows the best crop conditions since 2007 for the Corn Belt. Corn production for 2014/15 is projected at a record 13,935 million bushels according to the USDA’s World Agricultural Supply and Demand Estimates Report (WASDE). The projected range for an average farm price is unchanged at $3.85 to $4.55 per bushel, lower than this month’s projected 2013/14 range of $4.45 to $4.65 per bushel. Corn prices have fallen 12% since last month, ending at $4.50/bu. for the July 2014 contract. Soybean prices are down 3% from last month and soybean prices are down 7.8% (Dunn, Jim. Dairy Outlook Report, Penn State. 20 June 2014).

Despite a drop in feed costs, Penn State’s Income over Feed Cost measure decreased by 16 cents per cow per day due to decreasing milk prices, although remaining very high compared to previous years. May’s value of $11.64/cow/day is near the highest values seen since Penn State began calculating this measure (Dunn, Jim. Dairy Outlook Report, Penn State. 20 June 2014).

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July 22 – Soybean Field Day
10am – Noon, Robert Palmer Farm, Howard
Common soybean pest, disease thresholds, IPM practices, planting techniques, variety selection, and stand evaluation.
Two (2) DEC recertification credits are available for this event in core and categories 1a, 10, 21, and 23. Contact CCE-Steuben at 607-664-2300 or email Kerri at ksb29@cornell.edu for more information and to register. Registration is appreciated by July 20th.

July 23 - Perennial Biofeedstock Energy Tour and Presentations, on July 23, 2014
USDA NRCS Big Flats Plant Materials Center, Big Flats, New York.

URL- http://events.r20.constantcontact.com/register/event?oeidk=a07e9bbx2kg9aca8020&llr=fzz4ttqab

Presenters during the field tour
- Paul Salon- USDA-NRCS Plant Materials Specialist: Establishment of Perennial Warm Season Grasses and Biomass Projects at the Big Flats PMC.
- Julie Hansen- Senior Research Associate, and Don Viands – Professor, Cornell Plant Breeding and Genetics Department: Switchgrass Breeding Overview and Projects at Cornell.
- Ben Ballard- SUNY Morrisville, Director, Renewable Energy Training Center, Assistant Professor: Thermochemical Conversion of Biomass and Near Term Practical Applications. Demonstration of a Biomass Generator (20kWe).
- Gary Bergstrom - Cornell Dept. of Plant Pathology and Plant-Microbe Biology, Professor: Biology and Management of Switchgrass Smut and Rust Diseases.

Demonstrations
- Kim McNight- Powdered Biomass Burner Demonstration, Summerhill Biomass Systems
- Robert Rynk- SUNY Cobleskill, Director, Center for Environmental Science and Technology, Assoc. Professor, Agricultural Engineering: The Utilization of Biomass Pellets for the Production of Electrical Power through the Conversion to Clean Fuel Gas (also known as syngas) Demonstration of a Syngas Generator which Operates a John Deere Gator.

Presentations:
- Brian Richards- Cornell Dept. of Biological and Environmental Engineering, Senior Research Associate: Sustainable Development of Perennial Grass Bioenergy on Marginal Soils of New York.
- Matt McArdle- President of Mesa Engineering, Auburn NY and Chairman of the NY Biomass Energy Alliance: Industry Perspective on “Renewable Heat NY Program” and “NYS Cleaner, Greener Communities Initiative”.

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TRADE POST:

Wanted: Subsoiler for primary tillage. Farmer in Hammondsport seeking to rent subsoiler with 1 or 2 shanks, minimum depth of 12". Relatively small parcel being tilled, only need for a weekend at most. If interested please call Peter at (914) 588 2860.

For Sale: 2005 JD6615 4WD Tractor, cab with heat & air, new front tires, good condition-$39,900; NH900 Forage Harvester, excellent condition, used very little, new knives & shear bar with hay pickup - $22,000; Kuhn Knight 3130 Mixer with scale - $10,000. Call between 7am and 7pm-607-382-6191
COMING EVENTS:

**July 11&12 - Allegany Steuben Black & White Show 2014**
Showmanship: Friday Evening - 7:00 pm  
Conformation Classes: Saturday - 9:00 am  
Conformation Judge: Adam Sonnen, PA  
For more information or entry form information  
Please contact Bethany – 607-792-3334 or Darleen – 607-478-8858  
Show is open to all registered Holsteins  

**July 17th to 19th – Grasstravaganza 2014:** Pasture Soil Health Creates Wealth Morrisville State College, Morrisville - Speakers include Ray Archuleta, the NRCS “soil guy” from North Carolina, Jerry Brunetti of Agri-Dynamics, and Jim Gerrish, former University of Missouri researcher, writer, and now cattle rancher and consultant from Idaho. A Thursday evening dinner will kick-off the conference, and tours will be held on both Friday and Saturday afternoons. Sponsored by USDA-Natural Resources Conservation Service, NY Grazing Coalition, and Morrisville State College. Visit [http://grasstravaganza.morrisville.edu](http://grasstravaganza.morrisville.edu) for updates on the conference agenda and registration.

**July 16- NY Weed Science Field Day**
8:30 – 11:30 Thompson & Musgrave Research Farms – Freeville & Aurora, NY  
Register by - JULY 11, 2014 - Registration will be $8.00 per person - this includes: coffee (beverage), doughnuts, and informational trial packet. You may also phone--607-255-5439; Fax--607-255-0599; or e-mail Maxine Welcome—mw45@cornell.edu to pre-register.

Musgrave Research Farm - Aurora, NY  
Pre-registration for the Field Crop Weed Control session is not required.  
1:30 p.m. Registration  
2:00 – 5:00 p.m. Field Crop Weed Control (Hahn)