The Winter meeting season is underway and there is a variety of classes and seminars that are being offered. It is important that if you plan on attending a meeting to make sure to register if the option is available. Registration helps ensure that we have enough seating, handouts and refreshments or lunches that may be offered. Recently, a meeting was canceled due to lack of registration. It was easy for us to contact those folks who had registered to discuss alternatives, but we had others who showed up that had not registered. Having something like this happen is not what we would’ve wanted and it is unusual for us to cancel a meeting due to lack of registrants or weather related issues. You can be assured that if you’ve registered, we will do everything in our power to contact you and let you know of cancellations and changes. So, please register if you are planning on attending a meeting, otherwise you could possibly be disappointed when you just show up.

- This year’s New York Ag Society meeting provided a platform for recognizing Cayuga County Farms. Page 3 contains a portion of the proceedings from the meeting with awards recognition being given to Todd DuMond of Union Springs & Sunnyside Farm of Scipio Center.
- Cooperative Extension, Cayuga County Farm Bureau and a group of volunteers will once again enable us to reach a segment of our consuming public during the 2016 Agricultural Literacy Week with a story that explains how agriculture is important (below).
- The New York Farm Show will continue to be an event not to miss February 25 thru the 27th. On Thursday afternoon, don’t miss the segment “Using the Technology for Profitable Decision-Making” See Page 4 for the agenda.
- Expect a greater level of awareness when it comes to livestock having access to a stream or waterway in the future. Page 5 has a reference as to why you should consider fencing them out of free access to flowing water.
- Annie’s Project is a regionally delivered flagship program empowering women in agriculture. Look over the agenda on Page 6 and consider this program if the topics apply on your farms.
- The NYS DEC is conducting a Turkey Study. Page 6 has more information for those interested.
- It’s time to order your copies of Cornell Guides! See Page 7 for details and pricing.
- Cayuga County Soil & Water District will sponsor a manure handling workshop. Page 8 has all the details you’ll need.
- Tractor Safety Certification for Youth between the ages of 14 to 16 will again be offered. See Page 8 for more information.

Sincerely,

Keith Severson  Judy Wright
Agriculture Resource Educator  Agriculture Resource Educator

### 2016 Agricultural Literacy Week
**Monday, March 14th thru Friday, March 18th**

In celebration of New York agriculture, volunteers throughout the state will read The Apple Orchard Riddle by Margaret McNamara and illustrated by G. Brian Karas to classrooms from Kindergarten up to third grade. This fun and exciting story shares the journey of Mr. Tiffin’s class on a field trip to an apple orchard. The students learn about every aspect of the farm from how apples are harvested, the process of making cider, and the many different varieties of apples. While the class picks their apples and experiences the farm, Mr. Tiffin gives them all a riddle to ponder.

This year’s focus on apple production is exciting because of the importance of the apple industry in New York State, as we are ranked second nationally in production. Apples provide over 17,000 direct and indirect jobs, and there are over 680 apple producers on 55,000 acres across the state.

Students and teachers are also provided with hands-on lessons and receive follow up activities. The book is then donated to the school or classroom library. Thank you to the Cayuga County Farm Bureau who has been a generous benefactor for the Ag Literacy Program in Cayuga County by purchasing and donating the books for Ag Literacy Week.
Calendar of Events

Below is a list of upcoming events that we thought might be important to you! If you ever have further questions or need to clarify any information, you can always check out our website http://blogs.cornell.edu/ccccayuga, go to the Ag Calendar under the Agriculture tab on top. We try our best to keep information as up-to-date as possible so that you have a quick, easy reference available 24/7. Of course, you can always call our office with any questions or concerns you might have at 315-255-1183, Judy Wright ext. 234 or Keith Severaon 225—be sure and leave a message with your phone number.

January
January 28—*Corn and Soybean Growers Meeting*. Held at the Holiday Inn - 441 Electronics Parkway Liverpool, NY. From 8 a.m. until 3 p.m. Cost is $70. For more information go to: http://nycornsoy.org/news-events or call 585-689-2321.

February
February 4—*Soybean/Small Grains Congress*. Held at the Holiday Inn, 2468 NYS Route 414, Waterloo, NY from 8 a.m. until 3 p.m. For more information go to: http://nwnyteam.cce.cornell.edu/ or call Cathy Wallace at 585-343-3040 ext. 138.
February 16—*DEC Recertification Credit Workshop* Held at the Helena Chemical Co., Genoa, NY. For additional information call Jason Franklin at 315-497-2713.
February 24—*Manure Handling Workshop*. Held at the Natural Resource Center, 7413 County House Road, Auburn, NY from 9:30 a.m. until 12 p.m. Free and open to all. For more information see the back page of this newsletter.
February 25—27 *New York Farm Show*. Held at the New York State Fairgrounds, Syracuse, NY. For a list of events and more information go to: http://newyorkfarmshow.com/

Cayuga County Conservation District Holds 45th Annual Spring Tree Seedling and Groundcover Sale

The Cayuga County Soil and Water Conservation District will be holding their 45th Annual Spring Tree Seedling and Groundcover Sale. As in the past, the District is offering a variety of New York grown conifers, hardwoods, shrubs, and groundcovers. These seedlings, transplants and other plants are a very low-cost way to prevent erosion and to promote wildlife in your area, as well as create noise and visual buffers, and both snow and wind breaks. The Conservation District will be taking orders through April 27, 2016. The pickup date will be May 6, 2016. Supplies are limited, so order early for the best selection.

To get an order form and description brochure, call the Cayuga County Soil and Water Conservation District at (315) 252-4171, ext. 3, or stop by their office located on County House Road in Sennett. Office hours are Monday - Friday from 7:30 AM - 4:00 PM. Order forms are also available at their website: http://www.cayugaswcd.org

Tips on Drug Residues, Lameness, and Feeding - Translated into Spanish

Written by: Lucas Sjostrom

English and Spanish-speaking dairy owners and employees can learn more about extra-label drug use, the economic impact of cows stepping on sharp objects, and the importance of dry matter for feeders.

California’s Cooperative Extension Service monthly newsletter from the Tulare County office for December 2015 translated recent articles from the newsletter into Spanish, side-by-side with the English originals.

Titles included are:

**Avoiding Drug Residues** by Betsy Karle

**Lameness – Are your cows stepping on sharp objects?** by Drs. Marc Pineda and Noelia Silva del Rio

**The importance of dry matter: Tips for feeders and dairy producers** by Jennifer Heguy and Ed DePeters

You can read the newsletter in full at this link: http://cetulare.ucanr.edu/newsletters/California_Dairy_Newsletter60600.pdf
Attention Conservationists & Hunters

Pheasant Release Program Announced

Each year the New York State Department of Environmental Conservation (NYSDEC) makes available approximately 60,000 day old pheasant chicks for individuals to raise and release on public lands. The program known as the Cooperative Day-old Pheasant Chick Program (DOCP) was designed to assist in revitalizing the ring-necked pheasant population in the area.

Cornell Cooperative Extension of Cayuga County is a facilitator of the DOCP program and helps to order and distribute the day old chicks to participating individuals.

If you are interested in rearing pheasant chicks for release on public lands you can register on our website at http://blogs.cornell.edu/ceecayuga or call Peggy Lillie (ext. 238) Cornell Cooperative Extension at 315-255-1183 extension 238. Chicks will be available for pick up at our office (248 Grant Avenue, Auburn, NY) in mid May.

New York State Agricultural Society Recognizes Two Cayuga County Farms

Two Cayuga County farms were recently recognized at New York State Agricultural Society’s 184th Annual Meeting & Agricultural Forum held Friday, January 7th.

Next Generation Farmer Award

2016 is the inaugural year of this award, which recognizes excellence from beginning farmers. Todd DuMond of DuMond Ag in Union Springs was recognized as a 2016 Next Generation Farmer Award Winner. Todd has fostered significant growth and expansion of the farm business since returning to what was a 600 acre cash crop farm in 2003, a couple years after graduating from MIT. Today, DuMond Ag farms nearly 5,000 acres. Eric and Marge DuMond, Todd’s parents, started a small beef cow operation in Saranac Lake in 1980, and moved to the Finger Lakes five years later where they began the cash crop farm. Under Todd’s management, the farm has bee on an aggressive growth curve, increasing steadily in size and diversifying business pursuits. DuMond Grain, a soybean roasting business, was an offshoot that began in 2003 when Todd returned to the farm. In 2010, Todd began DuMond Trucking to provide an improved transportation option for the for the local farm community. Similarly, in 2015 Todd expanded DuMond Grain to include corn grinding to produce cornmeal as a new commodity for the business. Most recently, DuMond Ag created a cover crop seed dealership and invested in a row crop farming operation.

Todd enjoys the diversity of his job—no two work days are the same for him—from shoveling to fixing to researching to brokering. The challenge of starting and managing new businesses, and the application of science in his crop production, keep him interested and engaged. Congratulations to Todd DuMond for his success as a “New Generation” New York State farmer!

Farm Safety Award

Sunnyside Farms, Inc. is a large dairy owned and operated by Greg and Neil Rejman. The farm is located on Indian Field Road, Scipio Center, NY in Cayuga County. The farm has about 4,000 milk cows, and they have recently completed a 100-stall rotary milking parlor, which takes some of the stress out of the three-times a day milking schedule. The management also cares about reducing hazards within all work functions on the farm. Facilities and equipment are well maintained and employees are thoroughly trained to perform their job functions in a safe manner.

Sunnyside Farms provides regular bilingual training and mentoring of employees with help from Anna Meyerhoff and Jim Carrabba with NYC-AMH. The farm provides first aid and CPR training to all supervisors and any others interested in learning how to be prepared for an emergency. Training records at the farm are well organized and management knows when additional training sessions are needed.

Having an extensive farm health and safety program helps Sunnyside Farms ensure their employees’ well-being and job readiness. Congratulations
Really want to harness precision ag technology for profit? Then don't miss the "Precision Ag: Decision-making for a profitable future" program on Thursday, February 25, at the 2016 New York Farm Show.

The program, developed by New York Farm Viability Institute's precision ag steering committee, will be a strong mix of keen farmer experience and ag industry expertise, says NYFVI Executive Director Dave Grusenmeyer. Certified crop advisors are eligible for 2.5 continuing education units.

TAILORED-FIT FOR THE FIELD: Precision-applied inputs can optimize costs and yield returns especially on variable soils.

Here's a quick summary of the program that begins with registration and refreshments at 2:30 p.m. in the Bistro Room at the State Fairgrounds' Arts and Home Center.

2:50 p.m.: Welcome and introductions
3:00 p.m.: Precision Ag basics, opportunities and industry trends: Cornell University's Harold Van Es will cover concepts supporting precision management of crop inputs in field crop and horticultural systems, plus enabling technologies. He'll home in on greatest opportunity areas and new technologies enhancing precision management.

3:20 p.m.: Hardware and software capabilities, and options:
* Transforming yield data into management decisions. This session, by Ag Leader's Jim Begley, will cover how to evaluate growing season planting, soil testing, yield and application data, plus feed quality data from the John Deere Harvest Lab. He'll also tackle interpreting the information plus streamlining record keeping for FSA/Crop Insurance.
* Harvest tech tools to document production is the topic for Erick Haas, integrated solutions specialist for Cazenovia Equipment Company. He'll demonstrate the value of yield maps/data and it be used to improve farm operation efficiency.

4:00 p.m.: Cost and benefits of entry-point tech: That's the topic tackled by Hass and John Hanchar, from Cornell's Northwest dairy and field crops team. Haas will give an overview of auto-steer technology and important points to consider. John Hanchar will review auto-steer's expected financial impacts via partial budgeting and capital investment analysis.

4:20 p.m.: Optimizing variable-rate seeding tech: Savanna Crossman, precision ag research coordinator for the N.Y. Corn and Soybean Growers Association will present a variable-rate seeding model to be farm-tested this year. It's customized to vary prescription seeding rate by hybrid, soil type, topography, plus soil sample data.

4:40 p.m.: Precision ag survey summary: Aaron Ristow, Cornell Extension associate, will share results of a farmer survey on promising technologies, barriers to adoption, cost, labor concerns, plus educational and infrastructure needs.

4:50 p.m.: Grower panel: Bruce Wright, SUNY Cobleskill, will moderate a panel discussion of precision tech experience with three products by three producers: Ag Leader by Travis Torrey of Torrey Farms; John Deere by Dan Shirley of North Harbor Dairy; and Trimble by Joe Brightly, Brightly Farms.

The session closes with summary comments and door prize drawings.

Program sponsors include: Ag Leader, Agrinetix, Cazenovia Equipment, Clinton Tractor, Cornell University, Empire Tractor — Cazenovia, Farm Credit East, FS Growmark, Hudson River Tractor, Morrisville State College, New York Farm Viability, NY Corn & Soybean Growers Association, Soil Max, SUNY Cobleskill, Trimble, Whites Farm Supply and Z & M Equipment.

For more information regarding the 2016 New York Farm Show you can go to their website: newyorkfarmshow.com
Providing Stockwater in Fields and Near Streams
Tips for Small Acreages in Oregon

Times are changing. It used to be that livestock watered freely in ditches, ponds, and streams. Those days are over, as people understand how this practice can affect animal health, water quality, and wildlife habitat. It makes good sense to install a fence and an alternative watering system to protect surface water. Here's why:

- **Healthy animals.** An Oregon study showed that livestock prefer trough water over stream water. Livestock gain up to 30 percent more weight on clean water and graze more efficiently when troughs are distributed throughout pastures. When animals loaf in streams, they are at greater risk from algae toxins and waterborne diseases. Muddy areas near streams may also increase foot rot, leg injuries, and stress.

- **Clean water.** Clean water is essential to people, fish, and the environment. One study found five times the number of trout in streams with non-eroded banks versus those with eroded banks. When livestock deposit manure near or in water, the components of manure may be harmful. Phosphorus increases algae blooms, ammonia kills fish, and coliform bacteria sicken or kill people with weakened immune systems.

- **Wildlife habitat.** The trees, shrubs, and tall grass next to streams provide food and cover for 74 percent and 94 percent of western and eastern Oregon wildlife, respectively. One study found 89 bird species on ungrazed banks compared to two bird species (grackles and starlings) on grazed banks. Without stream fencing, livestock may trample grass nests, wade through spawning beds, and muddy the water.

The benefits of a fence and alternative watering system to protect surface water don't end on-site. The watershed is a big neighborhood where there will always be someone affected downstream. What's more, the law prohibits animal wastes from entering water and impacting those downstream. Many landowners are realizing the need for change and are looking at better watering alternatives that protect the health of their animals and the environment.

**You Can Lead Livestock to Water...**

There's no one right structural "fix" for watering livestock. Every situation is different and it takes planning to get the right solution for you. The first step is to find out how much water your livestock drink. Water use depends on animal size, reproductive status, and weather. Plan according to the number of animals that you have or anticipate having.

<table>
<thead>
<tr>
<th>Animal</th>
<th>Average drinking needs*</th>
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<tr>
<td>Dairy cow</td>
<td>27 gal/day</td>
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<tr>
<td>Beef cow</td>
<td>12 gal/day</td>
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<tr>
<td>Horse</td>
<td>12 gal/day</td>
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<td>Pig</td>
<td>8 gal/day</td>
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<td>Sheep</td>
<td>4 gal/day</td>
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<td>Goat</td>
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*On hot days, animals may need twice as much water.

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"The frog does not drink up the pond in which he lives."
- Indian proverb

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This Fact Sheet was produced by the Washington County Soil and Water Conservation District (SWCD) and the Small Acreage Steering Committee. The Governor's Watershed Enhancement Board, the Oregon Association of Conservation Districts, and the USDA Natural Resources Conservation Service funded the project. Media Works of Eugene, Oregon, designed the Fact Sheet. You may reproduce or copy any portion of the text by notifying the Washington County SWCD at 503-432-2171. Please acknowledge this publication as the source. Additional permission is needed to reproduce credited photos.
Annie’s Project: Empowering Women in Agriculture

Managing for Today and Tomorrow
Succession, Business, Estate and Retirement Planning for Farm Women

Creating a transition plan to make sure a farm continues as a productive, agricultural business can be challenging. Farm women can play a key role in planning successful farm transitions. In this course women will develop these skills as well as develop networks.

Managing for Today and Tomorrow is divided into the following planning areas:

January 26
- Business Planning: Financial Documents
  Joan Petzen, Area Ext. Farm Business Management Specialist, NWNY Dairy, Livestock & Field Crops Team
- Prioritizing and Decision Making using Farm Financial Records
  Edie McMahon, Bookkeeper, EZ Acres

February 9
- Farm Succession Planning: Setting the Stage
  - Defining your Vision for the Business
  - Setting Goals for Business and Family
  Dan Galusha and Anna Supp, Farm Credit Financial Consultants
- Estate Planning 101: Legal documents needed to protect your property and possessions
  - Manage estate tax
  - Considerations of Heirs and their inheritance
  Steve Walker, Attorney, Scolaro, Fetter, Grizanti, McGough and King, PC.

February 23
- Retirement Planning. What are your Income and Lifestyle Expectations?
  - Tools will be shared to help you begin the process of ensuring the retirement lifestyle you want.
- Asset Preservation: Insurance including medicare, long-term care and life
  Mark Modzeleski, Voss Group: Business, Estate & Financial Services

March 8
- Putting together the Framework for Farm Succession:
  - Moving Management & Ownership to the Next Generation
  - Legal structures and financial strategies: Gifting, Trusts, LLC’s, Profit shares…
  Dan Galusha, Farm Credit Financial Consultants
- Communication & Conflict Resolution within the Farm Family
  - Messages sent & received, Strategies for Conflict Management
  Erica Leubner, MSW, Personal Consultant, Farm Net

March 22
- Putting the Succession Plan into Action: Moving Management & Ownership to the Next Generation
  Dan Galusha, Anna Supp, Steve Walker, Erica Leubner and Extension Site Facilitators

Besides presentations, there will be discussions based on participant questions and follow-up activities for family members to complete at home.

Annie’s Project: Managing for Today & Tomorrow is coming to Cayuga County!

At the Education Center
248 Grant Avenue, Auburn, NY 13021
9:30 a.m. until 3 p.m.
Cost: $100

For more information contact Peggy at the CCE Cayuga County Office at 315-255-1183 ext. 238. You can also register online! go to http://blogs.cornell.edu/cceccayuga.

Got Turkeys?

The New York State Department of Environmental Conservation (DEC) is looking for landowners to help with a large-scale study of wild turkey movements, survival, and harvest. Beginning in January, DEC will begin the final year of a four-year study in which wild turkey hens will be captured and fitted with leg bands. The objective of the banding study is to examine harvest rates, survival rates, and movements of hens. All work is done by DEC personnel on public and private lands from January through March.

DEC seeks landowners in DEC Regional 3 though 9 who would be interested in allowing birds to be trapped on their land, as well as alerting project coordinators when they see turkeys on their property. After turkeys are trapped and banded, they will immediately be released at the same location. Not all locations are suitable for deploying capture equipment, so landowners should contact their regional project coordinator to discuss the suitability of their property.

If you are interested, please contact the Region 3 Coordinator (Broome, Cayuga, Chenango, Cortland, Madison, Onondaga, Oswego, Tioga, Tompkins) Lance Clark at 607-753-3095 NYS DEC, Bureau of Wildlife, 1285 Fisher Avenue, Cortland, NY.

For more information, contact DEC at 518-402-8886 or by e-mail at wildlife@dec.ny.gov (subject line “Turkey Study”).
2016 CORNELL GUIDES
“SPRING SAVINGS” ORDER FORM
Order with us now and save money!

Save money by ordering your 2016 Cornell Guide through CCE Cayuga County now.

CCE Cayuga County can pass on savings to you. To take advantage of these savings, fill out the form below and mail it with a check payable to “Cornell Cooperative Extension Cayuga County” to:
Cornell Cooperative Extension of Cayuga County
Attn: Peggy Lillie, 248 Grant Ave, Auburn, NY 13021
You may also make a selection by ordering them from CCE Cayuga online at -
https://reg.cce.cornell.edu/Springsavings-2016_205

All orders must be postmarked by February 15th in order to take advantage of this rate.

Shipping Please note: There will be an additional charge for shipping per item from our office if you want us to mail your order to you. There is no charge if you come in to the CCE office in Auburn to pick up your order.

| Publication Title                                                    | Price    | Quantity | Shipping-
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Cornell Cooperative Extension provides equal program and employment opportunities.
Building Strong and Vibrant New York Communities
Cornell Cooperative Extension is an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities and provides equal program and employment opportunities.

Manure Handling Workshop
Wednesday, February 24, 2016
9:30am-12:00pm at
the Natural Resource Center,
7413 County House Road, Auburn, NY
- Tips for evaluation of your manure handling and transfer systems to reduce risk of spills
- Some regulatory requirements
- Spreading issues
- Preparing for and handling spills
- DEC perspective on handling spills
- Winter spreading guidelines and high risk situations
Contact the Cayuga SWCD for more information or to register for the event @ 315-252-4171 x3, or e-mail — Valerie—vhorning@cayugawscd.org or Jason - jcuddeback@cayugawscd.org.
Presented by: Cayuga County Soil & Water Conservation District, NYS Department of Environmental Conservation, Pro-Dairy, Cornell Cooperative Extension.

2016 Tractor Safety Certification Course For Youth Offered
Dates Announced Soon!
The Hazardous Occupation in Agricultural Law requires that youth ages 14 to 16 must have at least 24 hours of tractor safety and maintenance instruction in order to drive a tractor on a farm other than that owned by their parents. CCE Cayuga County will again be offering the Tractor Safety Certification Course for Youth. If you are interested, please contact Dorothy Slegle at 315-255-1183 ext. 232 or dld83@cornell.edu.

- This tractor safety course is open to all youth; not just 4-H members.
- This is the only course to be held in Cayuga County for 2016 to certify youth
- Attendance is required at all classes in order for students to become certified.