IMPORTANT!  
TIME CHANGE  
PRIVATE PESTICIDE  
APPLICATOR TRAINING  
9:30-11:30 am!  
9 am REGISTRATION

AG NEWS
You're invited to a CROP FAIR
“Better Information for a more Profitable Operation”

Come to Creston to hear from top experts about some of the newest developments in Iowa agriculture, courtesy of Iowa Corn Growers Association, Iowa Corn Promotion Board, Advanced Ag Seed, LLC, ISU Extension and Adair County Corn Growers Association.

This FREE crop fair is designed to give you direct access to timely information that can help make your operation more profitable.

“TOOLS FOR YOUR FUTURE”
Part of the Iowa Corn Crop Fair Series

February 14, 2014
9:00 AM – 4:30 PM

Southwestern Community College
Room 180
1501 W. Townline Road
Creston, Iowa

RSVP’S appreciated by February 12 to Janelle Kracht at 515-229-9980 or jkracht@iowacorn.org

AGENDA

9:00 AM  Private Pesticide Applicator Training

12:00 PM  Lunch
Free to all crop fair attendees

1:00 PM  Weather Outlook for 2014 Crop Year
Eiwynn Taylor, ISU Extension Climatologist

2:00 PM  Department of Transportation, Rules &  
Regulation Changes for 2014  
Officer Robinson

3:30 PM  ISU Research Farm Project Updates,  
Cover Crops and Palmer Amaranth  
Aaron Saugling, ISU Extension Agronomist

Sponsored by:

IOWA STATE UNIVERSITY  
Extension and Outreach  
Healthy People. Environments. Economies.
**ADAIR COUNTY**

**CPAT EVENTS** are...

Commercial Pesticide Applicator Trainings are held at the Adair County Extension office. Cost is $35 if registered 7 days prior to the event. Call 743-8412

<table>
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<th>Date</th>
<th>Event Description</th>
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<tr>
<td><strong>February 12</strong></td>
<td>Commercial Ag Weed, Insect &amp; Plant Disease Management 9:00 – 11:00 am Adair County Extension Office, Greenfield</td>
<td><strong>February 26</strong></td>
<td>Seed Treatment 9:00 – 11:00 am Adair County Extension Office, Greenfield</td>
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<td><strong>March 5</strong></td>
<td>Ornamental &amp; Turfgrass 1:30 – 3:30 pm Adair County Extension Office, Greenfield</td>
<td><strong>March 26</strong></td>
<td>Certified Handlers 9:00 – 11:00 am Adair County Extension Office, Greenfield</td>
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Come early to register. Meetings will begin promptly on the time listed. No admittance after the meeting starts.

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**Dry Manure Applicator Training**

Commercial manure applicators and confinement site manure applicators who primarily handle, haul or land apply dry or solid manure should plan to attend the dry manure applicator certification workshop scheduled on Thursday, February 20 from 1:00 - 4:00 pm. The workshop will be held at the Greenfield Community Building (former Greenfield Chamber Building) 201 S 1st Street. Please call Adair County Extension 641-743-8412 to register for this workshop.

This workshop, offered by Iowa State University Extension and Outreach in cooperation with the Iowa Department of Natural Resources, meets manure applicator certification requirements for both confinement site and commercial manure applicators. The workshop differs from the regular manure certification workshops only because they tend to focus more on dry/solid manure issues such as stockpiling and handling.

The workshop is free to attend and open to all. Applicators will be required to submit certification forms and fees to the Iowa DNR to meet manure applicator certification requirements. The Greenfield Community Building is located at 201 S 1st Street.

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**20th Anniversary of SOFA**

If you are passionate about agriculture and are looking for a way to invest in the future of agriculture consider donating to Speak Out For Agriculture! SOFA has helped the youth of Southwest Iowa pursue and discover careers in agricultural fields. SOFA alumni are not only working in agriculture they are leaders!

Giving levels are **Platinum** - $500 and above; **Gold** - $100 - $499; **Silver** - $50 - $99; **Bronze** - $49 and under. To donate contact the Adair County Extension office or youth planning committee members - Alyssa Christensen, Bailee Huddleson, Emily Huntington, Hailey Gross, Joey Huntington, Matthew Noland, Merritt Caviness, Shelby Soper, Tyler Petty, or adult leaders - Beth Baudler, Beth Irlbeck or Kathy Rohrig.

Follow SOFA on facebook - SOFA - Speak Out for Agriculture

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**DNR Regulations for Your Farm**

The Southwestern Community College Agriculture Department is excited to offer a livestock producer workshop called "DNR Regulations for Your Farm: Are you in compliance with upcoming farm inspections?" on **Thursday, February 20 from 6:30-8:00 p.m.** at the Allied Health and Science Center on the main campus in Creston, Iowa. There is no cost to attend and light refreshments will be provided.

Guest speakers include Dan Olson, Iowa DNR Environmental Specialist; Brian Waddingham, Executive Director of the Coalition to Support Iowa’s Farmers; and Wayde Ross, NRCS District Conservationist who will explain the new DNR work plan, resources available for impacted farmers, and EQIP funding to help producers make necessary changes.

Because this issue touches so many livestock producers in the area, we would like to encourage all farmers to learn more about the upcoming DNR inspections and what producers can do to avoid penalties and be in compliance with the new regulations.

For more information or questions about the event may be directed to Francine Ide at (641) 344-2225 or ide@swcciowa.edu.
ADVANCED BULL SELECTION CLINIC
Genomics, $Values, and Synchronization

As bull sale season approaches, Iowa State University Extension and Outreach beef specialists will prepare producers for the gamut of information coming at them in A.I. books and sale catalogs. ISU Extension and Outreach is offering two meetings for producers wanting to learn more about genomic-enhanced EPDs, how to implement $Value Indexes into selection methods and estrus synchronization program options.

Patrick Wall, southeast Iowa extension beef specialist, will discuss genomic-enhanced EPDs, $Value Indexes and how to apply them to selection. “Working for a breed association, I partnered with USDA to develop three $Value Indexes,” Wall said. “Genomic-enhanced or not, producers need to understand what an EPD or Index tells them, and what it doesn’t.”

This clinic should help producers gain more confidence when selecting sires or buying bulls to fit their operations’ goals. Bull buying scenarios will be used to close the meetings, giving attendees the chance to apply what they’ve learned.

The closest event will be at the McNay Research Farm near Chariton on March 6 at 7 p.m. Light refreshments will be provided and there’s no charge to attend.

For additional information on either meeting, please contact Patrick Wall at 515-450-7665, patwall@iastate.edu, Denise Schwab at 319-721-9624, dschwab@iastate.edu, or Joe Sellers at 641-203-1270, sellers@iastate.edu, or visit www.iowabeefcenter.org.

Addressing Grain Storage Issues

Iowa State University Extension and Outreach recently released three Web-based training modules covering key aspects of grain drying and storage. Greg Brenneman and Shawn Shouse, agricultural engineering specialists with ISU Extension and Outreach, are the online course instructors.

The 20-minute modules cover -
- Aeration of stored grain
- Energy efficiency & drying capacity gains from dryeration
- Fan performance and sizing.

They can be viewed or downloaded at www.extension.iastate.edu/Grain/Topics/GrainStorage.htm. 

Adair County CATTLEMEN'S BANQUET

The Adair County Cattlemens Association is excited to announce the 2014 Annual Meeting on Saturday, February 8 at the Adair County Fairgrounds, 4-H & FFA Building in Greenfield.

This year’s featured speaker will be the nationally known cowboy and poet and former large animal veterinarian and entertainer to the agricultural masses, Baxter Black!

Social Hour will begin at 5:30pm with a ‘meet & greet’ with Mr. Black and dinner will follow at 6:00pm. Tickets are $20 at the door.

Mr. Black will be speaking after the meal which consists of beef brisket, cheesy potatoes, green bean casserole, salads and cupcakes. The evening will wrap up with a brief program featuring the 2014 Scholarship Recipients, Friend of Cattlemens Award and an auction of county fair trophies and various donated items.

Benefit for Katrina Schulteis

There will be a Benefit Event for Katrina Schulteis, daughter of Gary and Karen Schulteis on Saturday, February 15 from 5:00pm—7:00pm at the Immanuel Lutheran Church, in Greenfield. Katrina, a twenty-two year old Nodaway Valley graduate, was diagnosed with cancer last year. Always an active 4-Her, she became a volunteer during college. Her parents are both avid Extension supporters. Karen serves on the Extension Council.

Free Will Donation Supper of beef burgers, salads, chips, dessert bars and drink will be served. There will be a Silent Auction with numerous items, including a basketball signed by Iowa State men’s basketball coach Fred Hoiberg. Singing group ‘Grace Alone’ will be performing at 5:30pm and 7:00pm.

If you would like to help with food, please contact Tammy at 641-745-9410. If you would like to donate item(s) for the Silent Auction, contact Sharyl at 641-745-5136. For questions or further information, call Ted Wallace at 641-745-5424 or Kristen Walker at 641-745-5155. This event is being sponsored by Adair County Thrivent Chapter.
Iowa NRCS is hosting the Soil Health Forum on Tuesday, February 18 from 8:45 a.m. to 12:10 p.m. at SWCC in Creston. Check-in for the forum will begin at 8:15 a.m. and the meeting will begin promptly at 8:45 a.m.

The meeting will open with live video internet-stream from the National Cover Crop and Soil Health Conference in Omaha, Nebraska and will feature Secretary Tom Vilsack (invited) and Howard G. Buffett, followed by panel presentations from leading cover crop farmers from across the nation. Corning farmer Ray Gaesser and American Soybean Association president is one of the panelists.

Approximately 200 concurrent “forum” locations throughout the country will provide NRCS and our conservation partners and stakeholders with a unique opportunity to experience the conference and discuss ways we can more fully organize and energize our efforts to enable the soil health movement—at the grassroots level. It should be well worth heading to Creston for if you have time. More info here- http://www.sare.org/Events/Forum-on-Cover-Crops-and-Soil-Health

Keys to Conserving Propane for Pork Producers

The recent spike in propane prices is additional incentive for pork producers to conserve heating energy. Producers may have propane contracted at a reasonable rate, but managing heating costs should always be a priority, especially when expenses are rising.

“Often the first idea for saving heating fuel in hog buildings is to add insulation,” said Jay Harmon, Iowa State University professor in Ag and Biosystems Engineering and extension livestock production systems specialist. “However, ventilation management should actually come first because more than 80 percent of the heat loss in a swine building is due to improper ventilation.”

Harmon offers pork producers these tips for conserving propane this winter.

**PROPER VENTILATION RATE**

The goal during colder months is to control moisture and ammonia as much as possible. Underventilating a building will result in poor air quality and may cause health and growth problems with pigs. Conversely, over ventilating by just 20 percent can increase propane usage by 50 percent. In some cases, especially in wean to finish buildings, minimum ventilation fans may be too large, too many fans are used or the percent speed setting may be too high.

If over ventilation is occurring and you are using two fans for minimum ventilation, try turning off one fan and running the remaining one at a higher speed. Monitor air quality to be sure you are providing enough air. The percentage shown in the controller is likely not the percentage of fan capacity so it may take time to find the appropriate setting.

**ADJUST THE TEMPERATURE**

The proper temperature is important for energy efficiency. Observe the pigs to determine their comfort level. If pigs are too cold, they will huddle and pile up when resting. If they’re too warm, they will avoid each other. Adjust the temperature so pigs sleep side by side but not in a pile. Just a few degrees difference can save a substantial amount of propane.

**ADJUST THE HEATER**

The controller should be adjusted so that minimum ventilation fan speed never increases while the heater is cycling. If the heater runs, then shuts down and you can hear a fan increase its speed, it means that the heater is shutting off too close to the setpoint. If you hear this happening, simply adjust the heater to shut off at a slightly lower temperature. In the case of one producer, it was documented that setting the heater to shut off one-half degree lower saved 3.75 gallons of LP per furnace per day.

**ADJUST THE VENTILATION WHEN USING BROODERS**

Some producers use brooders for small pigs. This allows them to keep the room cool, but the pigs feel warmer due to localized heating. If the setpoint is low, for instance 70 degrees, extra fans may switch on to maintain this cool temperature in the room. A better approach is to set the room setpoint just above the brooder temperature, 85 degrees for example, but to have your heater turn off at a lower temperature, such as 70 degrees. By preventing fans from cycling too early, this technique retains more heat in the building rather than discarding it through the ventilation system.

**SEAL LEAKS**

Air leaks such as holes in ventilation curtains, leaky fan louvers or cracks around doors may create cold spots, which cause heaters to run longer than necessary. Eliminate these and other leaks to maintain air quality and to reduce propane consumption.

**Ventilation workshops**

Iowa State University Extension and Outreach offers ventilation workshops for swine producers to help them master these and other ventilation management concepts. If you are interested in learning more about upcoming workshops or in scheduling a workshop for a group, contact your local ISU Extension swine specialist or email Jay Harmon at jharmon@iastate.edu.

Visit http://farmenergy.exn.et.iastate.edu for a free PDF copy of “Managing swine ventilation controller settings to save energy” and for more information about conserving propane all around the farmstead.
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<td>SOFA Planning Meeting 1-3 pm EO</td>
<td>PPAT</td>
<td>Annie’s Project Mtg</td>
<td>Youth Council’s Middle School Dance</td>
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<td>Youth Council Mtg 3pm, EO</td>
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<td>7-10:30pm, WCC</td>
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<td>CPAT: Commercial Ag Weed, Plant &amp; Insect</td>
<td>Annie’s Project Mtg 6-9pm City Hall, Greenfield</td>
<td>PPAT 9:30-11:30 am Crop Fair 1-4 pm, see flyer on front for speaker list</td>
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<td>9-11am, EO Winter/Spring Leader &amp; Volunteer Training 6:30-9pm, EO</td>
<td>6-9pm City Hall, Greenfield</td>
<td>5:30pm, ACF</td>
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<td>PRESIDENT’S DAY</td>
<td>Soil Health Forum 8:15 am-12:10 pm SWCC, Creston</td>
<td>Dry Manure Applicator 1-4pm Greenfield Comm. Bldg. (former Chamber bldg, 201 S 1st St.) Annie’s Project Mtg 6-9pm City Hall, Greenfield DNR Regs &amp; Your Farm 6:30-8pm SWCC, Creston</td>
<td>Applications due Washington DC Youth Trip online</td>
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<td>Extension Council Mtg 6:45 pm Budget Hearing 7pm, EO</td>
<td>CPAT: Seed Treatment 9-11am, EO</td>
<td>Annie’s Project Mtg 6-9pm City Hall, Greenfield</td>
<td>Adair Co Soil &amp; Water Cons Dist. Scholarship Application due</td>
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EO = Adair County Extension Office
ACF = Adair County Fairgrounds

February 2014 News Letter

1 Several Scholarship deadlines—applications due
Clover Kids 10-11:30am, City Hall

Youth Council’s Middle School Dance 7-10:30pm, WCC
Cattlemens Banquet 5:30pm, ACF

PPAT 9:30-11:30 am Crop Fair 1-4 pm, see flyer on front for speaker list SWCC, Rm 180 Creston

West Central Coop Scholarship Application due Katrina Schulteis Benefit 5-7pm Immanuel Lutheran Church, Greenfield WCC: Jazz Concert 7pm

CPAT: Commercial Ag Weed, Plant & Insect 9-11am, EO Winter/Spring Leader & Volunteer Training 6:30-9pm, EO

Applications due Washington DC Youth Trip online

Annie’s Project Mtg 6-9pm City Hall, Greenfield DNR Regs & Your Farm 6:30-8pm SWCC, Creston

Adair Co Soil & Water Cons Dist. Scholarship Application due

EO = Adair County Extension Office
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February 2014
### March 2014

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<td>EO Adair County Extension Office</td>
<td>ACF Adair County Fairgrounds</td>
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<td>1 Adair Co Corn &amp; Soybean Assoc. Scholarship Application due</td>
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<td>YC Trip: Micah House</td>
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<td>CPAT: Ornamental &amp; Turgrass</td>
<td>Annie’s Project Mtg</td>
<td>Iowa Unplugged Events, Greenfield</td>
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<td>Depart Greenfield 12:30pm</td>
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<td>1:30-3:30pm EO</td>
<td>6-9pm City Hall, Greenfield Bull Selection Clinic</td>
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<td>Daylight Savings Time Begins</td>
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<td>Youth Action Committee Mtg.</td>
<td>Annie’s Project Mtg</td>
<td>Empowering Adair Community Foundation</td>
<td>Grant Applications due</td>
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<td>6 pm EO</td>
<td>6-9pm City Hall, Greenfield</td>
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<td>Adair County Ag Day</td>
<td>FSQA Workshop</td>
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<td>Fashion Design Camp for Middle School students</td>
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<td>CPAT: Certified Handlers</td>
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<td>State 4-H Award Interviews, Ames</td>
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<td>Adair County Corn &amp; Soybean Annual Meeting</td>
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<td>Extension Week</td>
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| WCC | | | | | | Swine Weigh-In
| 4/12 | | | | | | 5/10 |
| 7am-1pm | | | | | | Goat Weigh-In |
| ACF | | | | | | 8:30-10:30am |
| ACF | | | | | | ACF |