SOYBEAN APHID UPDATE

Decorah Research Site:
Scouting my trial at Decorah, the aphid population increased from 1,300/plant last week to 2,000 per plant today (see attached table). This trial reached threshold based on Speed Scouting on Aug. 12 and select plots were treated with insecticide on August 13.

Ames Research Site:
An Email from campus notified me that one their trial had an aphid population of 3,000/plant last week and it dropped to 300 per plant this week due to disease within the aphid population. The current rainy weather pattern will help soybeans tolerate more insect pressure, and also MAY help disease development within the aphid population to speed a population decline.
**R6 Stage Soybeans:**
Most soybean fields in northeast IA are in the R6 stage which makes it very questionable to treat for aphids anymore. The R6 stage usually runs about 18 days to reach R7 (nearly complete dry matter accumulation). Fields in the R6 stage may have only 1 or 2 weeks of dry matter accumulation remaining. It would be difficult to recover enough yield potential to justify a treatment now.

**R5 Stage Soybeans:**
There are still some fields only in the mid-R5 stage. I saw a couple yesterday, and with high aphid populations (>1,500/plant). The R5 stage runs about 14 days to reach R6. Soybeans at R5.5 would still have about 3 weeks of dry matter accumulation remaining. If over threshold on aphids, we still recommend treatment at this time. However, there is always a chance, such as with the Ames Research site above, that current high populations could die off quickly at any time.

**FYI on Staging Soybeans:**
For staging descriptions and illustrations, please go to: [http://extension.agron.iastate.edu/soybean/production_growthstages.html](http://extension.agron.iastate.edu/soybean/production_growthstages.html)

**EVENTS**
**September 3, ISU Northeast Research & Demonstration Farm Fall Field Day, Nashua**
Topics:
1) Introducing the use of UAV’s (unmanned aerial vehicles) in crop scouting.
2) Grain market trends of 2014 and predictions into the near future.
3) Crop diseases: What’s here? What I should have done? What should be done for next season?
4) Soil fertility and nutrient management, including a stop at the long-term P & K trials.
A timeline is provided for those unable to be there for the entire afternoon. Plan your day accordingly.
- 1:00 PM, the program starts in the Borlaug Learning Center with Ken Pecinovsky, ISU Research Farm Superintendent to briefly review the 2014 seasonal weather and trials on the farm.
- 1:10 PM we catch the wagon tour for two stops. One on crop nutrient management presented by Antonio Mallarino, Extension Soil Fertility/Nutrient Management Specialist, the other on corn and soybean crop diseases covered by Alison Robertson, Extension Plant Pathologist.
- 2:50 PM we are back at the Borlaug Center for an outdoor UAV demonstration by Tom Smidt of Smidt Crop Management, and then indoors in the media room to complete the discussion with Tom on using UAVs in Crop Scouting.
- 3:40 PM we wrap up the day with Chad Hart speaking on grain market trends of 2014 and predictions into the near future.

The field day is free and open to the public. It starts at the Borlaug Learning Center on the ISU Northeast Research and Demonstration Farm near Nashua. Directions: From Nashua at the Jct of Hwy 218 (Exit 220) and Co. Rd. B60, go west on B60 1.1 miles to Windfall Ave., then south 1 mile to 290th St., then east 0.2 miles to the farm. 4 CCA credits available. For more information about the event, call Brian Lang at 563-382-2949.

**Sept. 4, Welsh Family Organic Farm OPEN HOUSE of new layer barn, Lansing**
1:00 to 4:00 PM at the Clint & Kelly Welsh Farm, 1830 Schweinfurth Rd, Lansing. This is the first farm in the Organic Valley egg pool to install a multi-tier (aviary) layer system. Please be mindful & take good biosecurity measures before coming to the open house by wearing clean clothes & boots. Any questions, please call Gary Welsh 563-535-7318.

**Sept. 9, ISU Southeast Research Farm Fall Field Day, Crawfordsville**
Tour begins at 1:30 PM. Free program open to the public. Stops include:
1) Crop Season Review – Myron Rees, Farm Superintendent
2) Upgrading your Wind Break – Jesse Randall, ISU Extension Forester
3) Cover Crop Selection and Establishment – Mark Carlton, ISU Extension Field Agronomist
4) Corn Stalk Utilization, Nutrients for animals, crop production and market value
5) UAVs (Unmanned Aerial Vehicles) for Crop Scouting – Chris Murphy and Zach Vanderleest, ISU Ag Engineers
CCA Credit Available at no charge. Directions to the farm: Go 1¾ miles south of Crawfordsville on Hwy 218, then 2 miles east on G-62, then ¾ mile north. Watch for signs.

**Sept. 9, Women Landowners Meeting, Nashua**
Free program at the Borlaug Learning Center, ISU Northeast Research Farm, Nashua. Registration at 12:30 PM, with the program from 1 to 4 PM. Over 50% of Iowa’s farmland is currently owned by women, either through inheritance or in partnership. Conserving that land is very important to everyone. The new Iowa Nutrient Management Strategy is an important segment. What is it? What practices could be used on your farm? How can you visit with your tenant about conservation? Speakers & Topics include: Jamie Benning, ISU Extension Water Quality Manager, “The Iowa Nutrient Management Strategy and How it Works”; Sarah Carlson, Practical Farmers of Iowa, “Cover Crops and their Opportunities”; Julie Falcon, Natural Resource Conservation Service, “Conservation Cost Share Options for Landowners”; Group discussions on the program and your questions answered. Directions: From Nashua at the Jct of Hwy 218 (Exit 220) and Co. Rd. B60, go west on B60 1.1 miles to Windfall Ave., then south 1 mile to 290th St., then east 0.2 miles to the farm. For more information contact ISU Extension Bremer County 319-882-4275.

**Dairy Producer Meeting-Margin Protection Programs**
The 1.5 hour program will primarily cover MPP-Dairy, but also briefly cover base acreage reallocation, yield updates, and crop programs. This will also serve as a feeder to University of MN, Marin Bozác’s more in-depth workshops that will utilize the computer software to analyze a farm’s production and coverage options with MPP during later meeting dates in October. For more information, contact Larry Tranel, 563-583-6496, tranel@iastate.edu or Jenn Bentley, 563-382-2949, jbentley@iastate.edu

**Sept. 17, Holy Cross**
10:00 to 11:30 AM at Neumann’s Bar & Grill, 927 Main St..

**Sept. 17, Manchester**
1:00 to 2:30 PM at the Delaware County Extension office, 1417 Franklin St.

**Sept. 18, Waukon**
10:00 to 11:30 AM at the Farmers & Merchants Savings Bank, 201 W Main St..

**Sept. 18, Cresco**
1:00 to 2:30 PM at the Cresco Bank & Trust, 126 2nd Ave.

**Sept. 22, Fayette**
10:00 to 11:30 AM at the Fayette County Extension office, 218 S Main St.

**Sept. 22, Waverly**
1:00 to 2:30 PM at the Waverly Civic Center, 200 1st St. NE

**Sept. 26, Elkader**
10:00 to 11:30 AM at the Clayton County Extension Office, 120 S. Main St.

**Sept. 25, MN/ISU Extension Host Nutrient & Sand Laden Management Field Day**
Field day tour in southeast MN focusing on nutrient management and methods to handle sand. Discussions will focus on nutrient management including various options and methods to manage total farm nutrient balance, manure management and nutrient runoff. For those traveling from Iowa, vans will be available and leaving the Northeast Iowa Dairy Foundation in Calmar at 8 AM, or participants can drive separate and meet at each site. For event details and registration, please go to: [http://www.extension.iastate.edu/allamakee/news/mnisu-extension-host-nutrient-sand-laden-management-field-day](http://www.extension.iastate.edu/allamakee/news/mnisu-extension-host-nutrient-sand-laden-management-field-day)

**Oct. 3, Bus Trip from Calmar, Postville, Prairie du Chien to World Dairy Expo in Madison**

**Manure Handling Systems Tours**

**Oct 8, 10:15 to Noon, Kregel Farms, 30392 Garber Rd., Guttenberg.** From Hwy 52 north of Guttenberg turn right onto Kale Ave/County Hwy-X47 for 2.4 miles, then turn right onto Garber Rd/County Hwy C7X or if coming from the south turn left onto Garber Rd and farm will be on the left. Milking 380 cows with robots and utilizing a 3 stage GEA roller press for dried solids bedding.

**Oct 8, 1:00 to 2:30 PM, Jeff West, 22956 200th St. Farmersburg.** From Hwy 52 North of Garnavillo, turn left onto Hwy 128 for 7 miles, then turn right onto Hwy 13 for 4.3 miles, turn left onto 200th St. Farm is on the left. Milking 150 cows, utilizing a screw press separator for dried solids bedding.

**Oct 9, 10:15 AM, Mike Deutmeyer, 21710 Clear Creek Road, Guttenberg.** From Luxemburg, go East on Hwy 52 1.5 miles, turn left (north) onto Clear Creek Road. Two stage sand system.

**Oct 9, 1:00 PM, Dan/Glenn Moormann, 1353 310th Avenue, New Vienna.** From Luxemberg, go west 6.7 miles, turning south on 310th avenue. Expanding herd with sand lane before manure storage.

**Oct 14, 10:15 AM, Doug Roth, 3340 Spruce Ave. Mt. Pleasant.** From West Columbus St in Crawfordsville (turns into 305th St/Hwy G6W) go west 3 miles. Turn left onto Fern Cliff Rd for 2 miles. Turn left onto Red Oak Rd for one mile. Turn left onto 330th St for 0.6 miles then 1st right onto Spruce Avenue. Two-stage sand system with traveling irrigation gun.

**Oct 14, 1 PM, Calvin Yoder, 1620 Johnson-Washington Rd, Kalona.** From Kalona, go north on Hwy 1 for 1.8 miles. Turn left onto Johnson-Washington Rd for 4 miles. Single-stage push-off system.

**Oct 15, 10:15 AM, Tim/Joan Goedken, 2856 Quarter Road, Hopkinton.** From Delhi, take Hwy 38 S 4.2 miles. Turn right onto Pioneer Rd, then left onto Quarter Rd for 1.4 miles. Two stage sand system.

Oct 16, 10:15 to Noon, Schatz Dairy Farm, 9321 Saint Avenue, Cresco. From Cresco, head west on Highway 9 and turn right (north) on Saint Avenue, farm is on the left. Milking 225 cows, utilizing 2 stage sand manure system

Oct 16, 1:00 to 2:30 PM, Knutson Farms, 1731 106th St., Ossian. From Hwy 52 in Ossian, take County Hwy W42 south for 4.6 miles, then go straight onto Hall St where it becomes 185th Ave, turn right onto 107th St. for 1.3 miles, then turn right onto 106th St, farm is on the right. Milking 280 cows, utilizing 1 stage sand manure system, chimney style with no pump.

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