PONDING AND LOW LAND FLOODING

With the recent rains and related flooding, many are asking the question, "How long can crops be under water and survive?" Corn and soybeans can normally only survive complete submersion for 2 to 3 days (80 day air temperature), and sometimes less. Most forages can survive for 1 - 2 days. I have seen survival of all crops for considerably longer periods of submersion, however. The cooler the air temperature, the longer the plants can survive. Plants NOT totally submerged will survive considerably longer. By the time the field dries out, it will be easy to see whether the crop has survived or not.

A light rain shortly after the water recedes / drains might be beneficial to wash off the mud on plants.

Flooding can lead to greater disease problems on all crops.

For more details on corn, Joe Lauer at the University of Wisconsin wrote about this at [http://corn.agronomy.wisc.edu/AA/A056.aspx](http://corn.agronomy.wisc.edu/AA/A056.aspx).

For more details on soybean, see the Kansas State University article at [http://cropwatch.unl.edu/archive/-/asset_publisher/VHeSpfv0Agju/content/4573693](http://cropwatch.unl.edu/archive/-/asset_publisher/VHeSpfv0Agju/content/4573693).
Northern corn leaf blight (NCLB) was widespread in 2014 and severe on some susceptible hybrids, leaving a great deal of inoculum to survive the winter. We are already seeing NCLB lesions in some 2015 corn fields. It will be very important this growing season to scout fields that are planted to NCLB-susceptible hybrids. Alison Robertson provides more information on this and also anthracnose leaf blight and common rust can be found at http://www.extension.iastate.edu/CropNews/2015/0616Robertson.htm.

Rapid Growth and Light Colored Leaves

Many fields are displaying several light colored “flag leaves.” This is commonly called “yellow top” and close inspection will reveal that the corn has just broken out of having a twisted whorl or being “buggy-whipped.” Corn growing fast may have its whorl wrap-up or twist rather than unfold normally. This can be enhanced by some herbicide families, most common are the growth regulators. As the youngest developing leaves emerge from the twisted whorl, they initially appear yellow. This is not a problem. They will green up soon. Typically plants will unfurl within a week or two from when they began appearing this way.
“Yellow-topped” plant – closer view
Wrinkling - evidence that the leaf was in a twisted whorl
Potato leaf hoppers are showing up at above-threshold levels in many alfalfa fields. By the time “hopperburn” is observed, substantial losses have already occurred. It is important to scout using a sweep net. Erin Hodgson provides information on scouting and thresholds at http://www.extension.iastate.edu/CropNews/2014/0602hodgson.htm.
MILKWEEDS WANTED - REALLY!

Do you own more than 5 acres of CRP ground? Iowa State University researchers are still looking for areas to survey for presence of milkweed species as part of the activities of the Iowa Monarch Conservation Consortium. Please know that we only need your contact information, which we do not share with outside entities, and the location of the CRP to do our surveying and we will not be removing anything from the area. Please contact me if you are interested in helping us!

FOR YOUR CALENDAR

Spring Field Day - Southeast Research and Demonstration Farm
1:00 p.m., Tuesday, June 23, 2015
Crawfordsville, IA

In addition, training for Certified Crop Advisors will be conducted, beginning at 9:00 a.m. Registration for the CCA session ends on Friday, June 19, 2015.

Details are at: http://www.extension.iastate.edu/Pages/eccrops/meetserc.html.

Spring Field Day - Muscatine Island Research and Demonstration Farm
5:30 p.m., Tuesday, June 23, 2015
Fruitland, IA
Details are at: http://www.extension.iastate.edu/Pages/eccrops/meetmusc.html.

Spring Field Day - Northeast Research and Demonstration Farm
1:00 p.m., Wednesday, June 24, 2015
Nashua, IA
Details are at: http://www.extension.iastate.edu/Pages/eccrops/meetnerf.html.

Hay & Forage Expo
June 24 - 25, 2015
Cannon Falls, MN

See: http://hayexpo.com/
**Weed Science Field Day**
8:30 a.m., Thursday, June 25, 2015
Ames, IA
Details are at: [http://www.extension.iastate.edu/CropNews/2015/0528Owens.htm](http://www.extension.iastate.edu/CropNews/2015/0528Owens.htm).

**Crop Management Clinic**
Tuesday-Wednesday, July 14-15, 2015
Boone, IA
Details will appear at: [http://www.aep.iastate.edu/feel/](http://www.aep.iastate.edu/feel/).

**Weeds Week - Workshops Focusing on Herbicide Resistance Management**
Monday, August 3, 2015, Southeast Research and Demonstration Farm, Crawfordsville
Wednesday, August 5, 2015, Northeast Research and Demonstration Farm, Nashua

- Farmer-focused workshops in the morning
- Dealer & Consultant-focused workshops, including CCA Credits, in the afternoon

Details will appear at: [http://www.aep.iastate.edu/weeds/](http://www.aep.iastate.edu/weeds/).

**Late-season Crop Management Clinic**
Wednesday-Thursday, August 26-27, 2015
Boone, IA
Details will appear at: [http://www.aep.iastate.edu/feel/](http://www.aep.iastate.edu/feel/).

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