

IOWA STATE UNIVERSITY

Extension and Outreach

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Soybean

Soybeans are R3 (pod 3/16 inch at one of four uppermost nodes), with most at R4 (pod is 3/4 inch at one of four uppermost nodes) and a few at R5 (seed is 1/8 inch in a pod at one of the four uppermost nodes). Generally speaking, beans look good in NC Iowa.

I have only seen a few aphids, in fact, the most I have seen is 6 per plant. I am sure there are higher numbers out there. Use the [Speed Scouting for Soybean Aphid Form](#) to scout for aphids and to decide if your field warrants treatment. I have heard some folks mention they plan to include an insecticide in with their fungicide "to nip the soybean aphids before they start". You can't control what's not there.

Soybean growth stages and soybean aphid. The soybean crop will be susceptible to injury from soybean aphid for the following amounts of time.

Stage	description	days susceptible to aphids
R3	pod is 3/16 in. at top 4 nodes	33



Soil, Water and Wind

Water - it's not just for drinking. Many Iowans participate in recreational water sports every day in Iowa. From fishing to boating to swimming and yes, even kayaking, water sports are enjoyed across this state. This past weekend I had the opportunity to kayak the Yellow River in NE Iowa from Volney to Sixteen Bridge. It was a beautiful, warm day, but the water was cool and in many places very clear. What amazed me was how clean the river banks were. Don't get me wrong, there was a definite need for

R4	¾ in. pod at top 4 nodes	24
R5	1/8 in. seed in pod at top 4 nodes	15
R6	full size seed in pod at top 4 nodes	0

The impact from aphid feeding on soybeans is reduced once soybeans reach the late R5 stage to the early R6 stage.

Soybeans grow very few new leaves once they reach the R5 stage. Fully developed leaves are not as nutritious to soybean aphids. Therefore, colony development can slow once the R5 stage is reached.

Other insects of note include grasshoppers and green clover worms. Treatment is warranted when [defoliation reaches 20%](#). I have also noted more [bean leaf beetle feeding](#) this week.

Don't forget to keep an eye on [soybean diseases](#) as they have started to show up as well. I have seen SDS and bacterial blight.

Corn

Most Corn is at R3 or Milk Stage. Again, generally speaking corn is looking good and we have had good moisture and temperatures for grain fill. We had some isolated pockets of hail and excessive rain last week that did some damage in Worth and Cerro Gordo Counties.

The most popular question for last week and again this week is should I spray a fungicide for Northern Corn Leaf Blight. I will be honest, that is a hard decision to make in most cases, for most people, but

some stream bank stabilization along most of this stream segment, but there was very little garbage.

There is a great opportunity to get involved with river clean-up this Saturday, August 1, along the Boone River. The event starts at 7 a.m. and ends by 1 p.m. You can learn more at [Boone River Clean Up](#).

Since 2007, this annual clean-up event has removed 419 tires, 7,660 pounds of scrap metal and 2,590 pounds of general trash from the Boone River. What a great way to enjoy one of Iowa's beautiful rivers and to help take care of our waterways.

Photo: A. Rieck-Hinz. 7/25/15



Angie Rieck-Hinz

the one thing that should not drive your decision is "well the planes are flying so I guess I should spray." You need to evaluate your fields, you need to know the disease rating for your hybrid. The threshold is " if the disease is present on 50 percent of the plants in the field (one or more lesions per plant) at tasseling, a fungicide application may be necessary. We are past tasseling.

This disease does not like warmer temperatures (above 82). Last year we saw the progression of this disease come to a near halt in late July and the first week of August due to warm temperatures. In mid to late August it turned cooler and wet and we saw this disease explode in severity. Your guess is as good as mine as to the weather, so continue to monitor fields.

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Serving

Calhoun, Cerro Gordo,
Franklin, Hamilton, Hardin,
Humboldt, Webster,
Worth and Wright Counties.

Events

Weeds Week, 5 locations - Aug 3-7

- <http://www.aep.iastate.edu/weeds/>. There is still time to register for the program on August 7 at the Field Extension Education Lab (FEEL) near Boone.

Iowa Drainage School, Nashua - Aug 25-27

- <http://www.aep.iastate.edu/ids/>

Nutrient Reduction Strategy Field Day- Gilmore City Drainage Farm, August 27, 5-8 p.m. More details to be announced.

The following is a partial list of farmland leasing meetings being organized by our ISUEO Farm Management Team. Contact your local County Extension office to register. Registration fees apply in most counties.

Cerro Gordo, August 19 at 1:30 p.m., at the Beem Center at NIACC. Call 641-423-0844 to register.

Franklin, August 11 at 7:00 p.m., at the United Methodist Church. Call 641-456-4811 to register.

Hamilton, August 5 at 1:30 p.m., at the Hamilton Co. Extension Office. Call 515-832-9597 to register.

Hardin, August 13 at 7:00 p.m., at Ellsworth CC, Hamilton Auditorium. Call 641-648-4850 to register. **Please note the date change.**

Humboldt, August 4 at 1:30 p.m., at Humboldt Co. Extension Office. Call 515-332-2201 to register.

Webster, August 20 at 1:30 p.m., at Webster Co. Extension Office. Call 515-576-2119 to register.

Wright, August 20, at 9:00 a.m., at Wright Co. Extension Office. Call 515-532-3453 to register.

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