



Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending August 25, 2019
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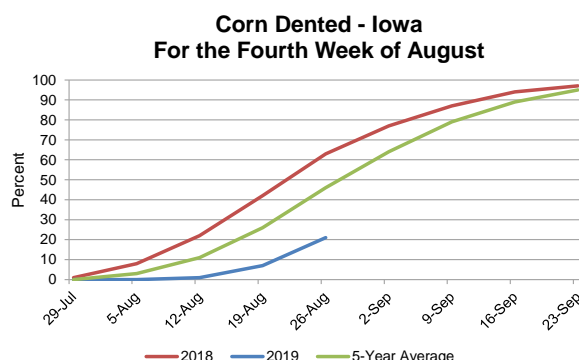
Media Contact: Greg Thessen

Rain across most of Iowa improved dry soil conditions during the week ending August 25, 2019, according to the USDA, National Agricultural Statistics Service. Statewide there were **5.0 days suitable for fieldwork**. Reporters throughout the State mentioned the need for warmer weather as cooler than normal temperatures have slowed crop development. Fieldwork activities included spraying fungicides and insecticides on late planted crops and harvesting hay.

Topsoil moisture condition was rated 3 percent very short, 20 percent short, 75 percent adequate and 2 percent surplus. The Northwest District was the only district where topsoil moisture condition became drier this past week. **Subsoil moisture** condition was rated 4 percent very short, 20 percent short, 74 percent adequate and 2 percent surplus.

Seventy-six percent of the **corn** crop has reached the dough stage, 11 days behind last year and 9 days behind the 5-year average. Twenty-one percent of the crop reached the dented stage, 2 weeks behind last year and 9 days behind average. Corn condition rated 65 percent good to excellent. Nearly all the **soybean** crop has started to bloom at 96 percent statewide, 11 days behind average. Eighty-four percent of the crop has started setting pods, 17 days behind last year and 12 days behind average. Soybean condition rated 62 percent good to excellent.

The third cutting of **alfalfa hay** reached 49 percent, 11 days behind average. **Hay condition** rated 57 percent good to excellent. **Pasture condition** improved slightly for the first time in 7 weeks and rated 44 percent good to excellent. There were no reported livestock issues this past week.



Crop Condition as of August 25, 2019

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	7	26	54	11
Hay, alfalfa	2	9	32	49	8
Soybeans	2	7	29	52	10
Pasture and range	5	13	38	41	3

Crop Progress as of August 25, 2019

Item	Districts									State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-yr average
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Corn dough	59	82	83	80	86	82	64	66	65	76	59	91	90
Corn dented	15	14	22	23	28	27	22	17	18	21	7	60	46
Hay, alfalfa, third cutting	74	71	72	51	68	43	46	26	36	49	36	74	66
Soybeans blooming	95	99	99	99	99	98	87	91	93	96	93	100	99
Soybeans setting pods	85	95	91	83	94	84	65	68	73	84	71	96	94

Days Suitable for Fieldwork and Soil Moisture Condition as of August 25, 2019

Item	Districts									State		
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year
	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)
Days suitable	5.4	5.2	5.4	4.0	4.9	5.5	4.8	4.2	5.1	5.0	5.5	4.0
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	0	1	0	5	2	7	0	5	12	3	6	7
Short	14	12	24	9	20	35	18	36	33	20	25	14
Adequate	83	87	74	80	77	58	80	59	54	75	67	70
Surplus	3	0	2	6	1	0	2	0	1	2	2	9
Subsoil moisture												
Very short	0	2	0	7	2	12	0	4	9	4	4	8
Short	8	11	19	10	19	35	18	37	47	20	23	16
Adequate	89	86	79	79	79	53	77	59	43	74	71	70
Surplus	3	1	2	4	0	0	5	0	1	2	2	6

IOWA PRELIMINARY WEATHER SUMMARY
Provided by Justin Glisan, Ph.D., State Climatologist
Iowa Department of Agriculture and Land Stewardship

Reports from the Iowa Department of Agriculture and Land Stewardship and maps from the Midwestern Regional Climate Center reflect data collected from 7:00 A.M. Central Time on August 19, 2019, through 7:00 A.M. Central Time on August 25, 2019.

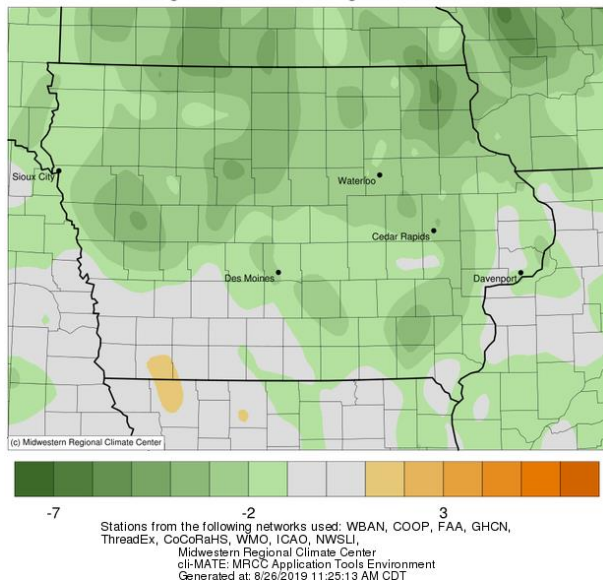
Continued wetter-than-average conditions were found across central and southern Iowa during the reporting period. Locations in northeastern Iowa experienced rainfall deficits up to and slightly over an inch. Unseasonable coolness also persisted with temperatures up to five degrees below average across parts of Iowa. The statewide average temperature was 68.5 degrees, 3.1 degrees below normal.

A low pressure system moved out of Iowa through the afternoon hours on Sunday (18th) leaving measurable rainfall across the southern half of the state. Northwest winds and partly cloudy conditions kept high temperatures in the low to mid 70s in northern Iowa and low 80s in the south. Rain totals reported at 7:00 am on Monday (19th) were heaviest in southeast Iowa with a station in Ottumwa (Wapello County) observing 0.92 inches. Widespread totals between 0.10 inch and 0.25 inch were also reported. Conditions during the day were warm and humid with highs in the mid-80s and variable winds. Daytime conditions created an unstable atmosphere primed for overnight convection; discrete thunderstorms began to fire just before midnight in north-central Iowa. These thunderstorms quickly turned severe and coalesced into strong mesoscale convective system (MCS) that moved southeast through central Iowa into the morning hours of Tuesday (20th). Along with multiple severe straight-line wind events, three tornadoes were reported. Two tornadoes, one hitting Tracy (Marion County) and the other moving through Badger Creek State Park (Madison County), were rated EF-1 with peak winds estimated at 110 mph. A strong EF-3 rated tornado, with estimated winds of 150 mph, caused substantial damage to several structures in Lacona (Warren County). In terms of rainfall, over 100 stations reported an inch or more. In locations with stronger storms, rain totals varied from 2.00 inches Eldora (Hardin County) to 4.30 inches in Coon Rapids (Carroll County). The statewide average rainfall was 0.75 inch.

Another low pressure system moved through Iowa on Wednesday (21st) bringing additional widespread rain to much of the state. Totals were highest across central and southern Iowa. Pella (Marion County) reported 2.22 inches while Rathbun Dam (Appanoose County) reported 2.10 inches. Iowa experienced near perfect weather conditions Thursday (22nd) and Friday (23rd) as a large dome of high pressure dominated the upper Midwest, bringing clear and comfortable conditions. Daytime highs were in the mid to upper 70s with unseasonably cool overnight lows in the mid to upper 50s, on average five degrees below normal. Pleasant and dry conditions continued through the weekend with partly cloudy skies and a light southeasterly wind on Saturday (24th). Temperatures remained in the mid-70s with low relative humidity. Overnight lows into Sunday (25th) dipped into the upper 50s to low 60s as cloud cover began to increase across the state.

Weekly rainfall totals ranged from no accumulation in Decorah (Winneshiek County) to 4.47 inches in Guthrie Center (Guthrie County). The statewide weekly average precipitation was 1.12 inches, slightly above the normal of 0.98 inch. The week's high temperature of 92 degrees was reported on the 20th in Little Sioux (Harrison County) and Oakland (Pottawattamie County), on average nine degrees above normal. Cresco (Howard County) reported the week's low temperature of 47 degrees on the 22nd, nine degrees below average.

Average Temperature (°F): Departure from 1981-2010 Normals
 August 19, 2019 to August 25, 2019



Accumulated Precipitation (in)
 August 19, 2019 to August 25, 2019

