



Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending September 15, 2019
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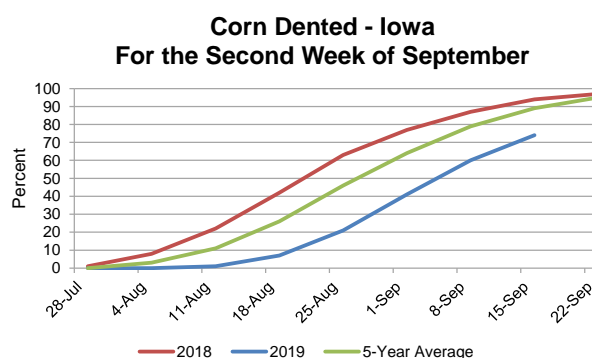
Heavy rains fell across much of Iowa with just **3.7 days suitable for fieldwork** statewide during the week ending September 15, 2019, according to the USDA, National Agricultural Statistics Service. Fieldwork activities included harvesting hay and seed corn, chopping silage, and seeding cover crops.

Topsoil moisture condition was rated 1 percent very short, 13 percent short, 81 percent adequate and 5 percent surplus. Precipitation this past week helped increase topsoil moisture levels in all districts. However, the topsoil moisture rating in east central, south central and southeast Iowa districts remains above 25 percent short to very short. **Subsoil moisture** condition was rated 3 percent very short, 18 percent short, 76 percent adequate and 3 percent surplus.

Ninety-four percent of the **corn** crop was in or beyond the dough stage, over two weeks behind both last year and the 5-year average. Seventy-four percent of the crop has reached the dented stage, 15 days behind last year and 10 days behind average. Eight percent of corn reached maturity, 19 days behind last year and 13 days behind average. Corn condition improved slightly from the previous week to 65 percent good to excellent. Nearly all of the **soybean** crop has started setting pods at 96 percent statewide, over two weeks behind average. Forty percent of the crop has begun coloring, 11 days behind last year and 8 days behind average. Five percent of soybeans began dropping

leaves, almost 2 weeks behind last year and 10 days behind average. Soybean condition also improved slightly from the previous week to 63 percent good to excellent.

The third cutting of **alfalfa hay** reached 84 percent, 4 days behind average. **Pasture condition** rated 43 percent good to excellent. There were a few reports of high numbers of insects around livestock and concerns for livestock in permanent pastures.



Crop Condition as of September 15, 2019

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	7	26	53	12
Soybeans	2	6	29	52	11
Pasture and range	4	12	41	39	4

Crop Progress as of September 15, 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	90	97	99	94	97	96	88	93	92	94	91	99	99
Corn dented	69	73	85	73	77	81	67	65	58	74	60	93	89
Corn mature	5	2	11	11	11	9	8	10	9	8	4	49	34
Hay, alfalfa, third cutting	93	93	94	92	98	88	86	66	73	84	76	92	88
Soybeans setting pods	97	99	99	96	99	97	90	93	91	96	94	100	100
Soybeans coloring	31	54	45	53	48	42	26	23	22	40	15	79	68
Soybeans dropping leaves	4	4	5	7	8	8	4	2	2	5	(NA)	45	29

(NA) Not available.

Days Suitable for Fieldwork and Soil Moisture Condition as of September 15, 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.....	3.2	3.8	3.2	3.0	3.5	4.2	3.3	5.2	5.3	3.7	5.7	6.0
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	0	0	0	0	0	5	0	4	9	1	5	1
Short	4	5	12	7	15	24	12	24	34	13	26	5
Adequate	87	92	80	86	83	70	82	72	55	81	68	84
Surplus	9	3	8	7	2	1	6	0	2	5	1	10
Subsoil moisture												
Very short	0	2	0	0	2	11	0	4	12	3	5	3
Short	5	13	15	8	21	34	12	31	44	18	24	7
Adequate	88	83	79	87	77	55	80	65	44	76	70	77
Surplus	7	2	6	5	0	0	8	0	0	3	1	13

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 September 9, 2019, through 7:00 A.M. Central Time on September 15, 2019.

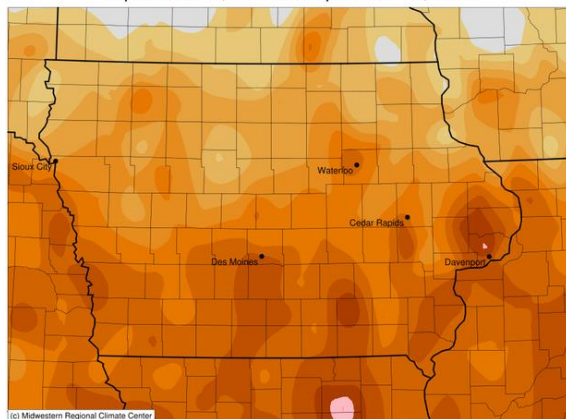
An active weather pattern returned to Iowa bringing unseasonably wet conditions across much of the state. Parts of northeastern Iowa observed rainfall totals from three to six inches above average while south-central Iowa experienced up to one inch deficits. Unseasonable warmth was also observed across the entire state with temperatures up to seven degrees above normal. The statewide average temperature was 70.3 degrees, 5.2 degrees warmer than expected.

Rain showers moved through parts of Iowa during the day on Sunday (8th) with cloudy conditions statewide. Temperatures stayed in the 60s across much of the state with low 70s across the south. Stronger thunderstorms popped up across central Iowa during the early morning hours of Monday (9th). As the storms moved northeast, locally heavy downpours were reported at multiple stations; three stations in Ames (Story County) observed totals from 1.21 inches to 1.39 inches. Monday afternoon saw active conditions as a warm front lifted into central Iowa, creating unstable atmospheric conditions that helped force severe weather. A thunderstorm complex moved from west-central Iowa northeast through the evening hours. There were reports of severe straight-line winds across 22 counties with multiple observed wind gusts of 60 mph and a 70-mph wind gust in Colo (Story County). Over 80 stations reported rainfall above one inch with multiple stations in northeastern Iowa observing over two inches. Rain totals ranged from 0.01 inch to 2.85 inches in Persia (Harrison County) with the statewide average rainfall at 0.62 inch. Thunderstorms lingered into Tuesday (10th) as an outflow boundary from northern storms moved west to east across Iowa. The storms dissipated just after noon as partly sunny conditions prevailed. Highs reached into the low to mid 80s. A line of thunderstorms moved into northwestern Iowa just after midnight on Wednesday (11th) with some embedded severe cells. The line lost strength during the morning hours and fizzled out in the afternoon. Clouds and rain kept highs in the mid 70s in the north with mid to upper 80s in southern Iowa. Isolated storms re-developed in eastern Iowa later in the evening with some storms moving over the same region. Rain totals were in the range of 0.50 inch to an inch across northern Iowa with heavier totals in the northeast; Dubuque (Dubuque County) reported 3.70 inches.

Thursday (12th) was another active weather day as a warm front lifted north across Iowa in the early morning hours with multiple lines of showers and thunderstorms. Strong storms began to fire in an unstable atmosphere during the afternoon as a cold front swept west to east across the state. Thunderstorms became severe in northeastern Iowa during late afternoon with several reports of straight-line wind damage to trees. There was also a preliminary report of a weak tornado in Ossian (Winnebago County). Rain totals at 7:00 am on Friday (13th) ranged from 0.01 inch at multiple stations to 4.07 inches at St. Ansgar (Mitchell County). With the passage of the cold front, Friday conditions were unseasonably cool with clouds gradually clearing the state. Highs reached into the mid 70s across the state's southern half and upper 60s in the north; the statewide average high was 72 degrees, four degrees cooler than normal. Saturday (14th) began with showers and thunderstorms across western Iowa that moved east through the early afternoon. Some of the storms turned severe with multiple reports of pea- to dime-sized hail across central Iowa. Another wave of storms brought locally heavy rain totals to eastern Iowa with Muscatine (Muscatine County) observing 2.96 inches. These thunderstorms continued to exit southeast Iowa into Sunday (15th) morning.

Weekly rainfall totals ranged from 0.03 inch in Beaconsfield (Ringgold County) to 8.88 inches at Guttenberg Lock and Dam (Clayton County). The statewide weekly average precipitation was 2.54 inches, three times the normal of 0.81 inch. The week's high temperature of 93 degrees was reported on the 12th in Muscatine (Muscatine County), 14 degrees above average. Cresco (Howard County) reported the week's low temperature of 44 degrees on the 15th, three degrees below normal.

Average Temperature (°F): Departure from 1981-2010 Normals
 September 09, 2019 to September 15, 2019



Accumulated Precipitation (in)
 September 09, 2019 to September 15, 2019

