



Iowa Crop Progress & Condition

Upper Midwest Regional Field Office · 210 Walnut Street Ste 833 · Des Moines IA 50309 · (515) 776-3400 · (800) 772-0825
Fax (855) 271-9802 · www.nass.usda.gov

Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending July 7, 2019
Issued July 8, 2019

Media Contact: Greg Thessen

While parts of Iowa experienced heavy rain, overall it was hot, dry week which allowed farmers to get fieldwork done during the week ending July 7, 2019, according to the USDA, National Agricultural Statistics Service. Statewide there were 4.6 **days suitable for fieldwork**. Fieldwork activities included planting, harvesting hay, spraying and applying nitrogen.

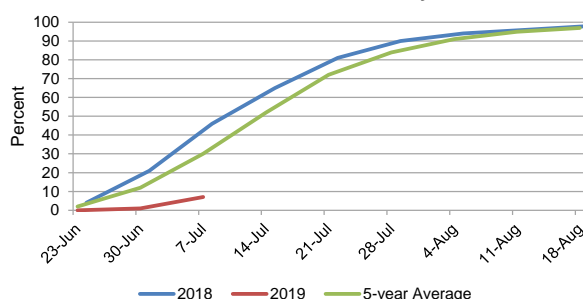
Topsoil moisture condition was rated 0 percent very short, 4 percent short, 80 percent adequate and 16 percent surplus. **Subsoil moisture** condition was rated 0 percent very short, 2 percent short, 77 percent adequate and 21 percent surplus.

Statewide, 1 percent of the **corn** crop has begun to silk, over 1 week behind last year and the 5-year average. Corn condition declined to 61 percent good to excellent. **Soybean** emergence reached 96 percent, 2 weeks behind average. Seven percent of the soybean crop has started to bloom, 12 days behind last year and 10 days behind average. Soybean condition rated 64 percent good to excellent. Ninety-two percent of the **oat** crop has headed, 1 week behind last year and 6 days behind average. Twenty-eight percent of the crop has started coloring, 6 days behind average. Oat condition rated 61 percent good to excellent.

Ninety-four percent of the first cutting of **alfalfa hay** has been cut, nearly 1 week behind average. The

second cutting of alfalfa hay reached 12 percent statewide, 11 days behind average. **Hay condition** rated 62 percent good to excellent. **Pasture condition** rated 69 percent good to excellent. Livestock experienced some stress due to heat. Feedlots continue to dry out.

Soybeans Blooming - Iowa
For the First Week of July



Crop Condition as of July 7, 2019

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	3	7	29	50	11
Hay, all	1	9	28	50	12
Oats	1	4	34	51	10
Soybeans	2	5	29	55	9
Pasture and range	1	4	26	53	16

Crop Progress as of July 7, 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)
Hay, alfalfa, first cutting	97	99	98	99	96	98	89	90	90	94	83	100	97
Hay, alfalfa, second cutting	27	18	21	14	18	8	6	0	18	12	3	45	39
Oats headed	87	91	92	85	96	93	95	91	90	92	79	96	96
Oats coloring	19	13	22	31	36	45	39	26	25	28	9	47	48
Soybeans emerged	98	99	97	94	99	97	89	95	91	96	90	100	100
Soybeans blooming	6	7	5	12	11	8	7	1	3	7	1	42	30

Days Suitable for Fieldwork and Soil Moisture Condition as of July 7, 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	3.6	4.5	4.1	3.9	4.3	5.2	5.6	6.1	5.9	4.6	4.4	4.8
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	0	0	0	0	0	0	0	0	0	0	0	2
Short	2	2	3	6	2	3	5	6	6	6	4	9
Adequate	73	90	76	88	82	73	82	87	75	80	74	72
Surplus	25	8	21	6	16	24	13	7	19	16	24	17
Subsoil moisture												
Very short	0	0	0	0	0	0	0	0	0	0	0	4
Short	1	1	1	4	1	2	2	3	3	2	1	10
Adequate	72	85	71	90	80	61	81	80	63	77	69	69
Surplus	27	14	28	6	19	37	17	17	34	21	30	17

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

The first week of July brought unseasonable warmth across Iowa with the average statewide temperature at 77.1 degrees, 3.4 degrees above normal. Showers and thunderstorms were reported on multiple days with parts of the northwestern quadrant receiving one to three inches of above average rainfall. Sections of eastern Iowa also observed unseasonable wetness, on the order of one to two inches.

An intense squall line moved north to south through eastern Iowa late Sunday (30th) afternoon producing severe wind reports across 20 counties, causing tree and structural damage. Sustained wind gusts varied from 58 mph in Burlington (Des Moines County) to 76 mph in Dubuque (Dubuque County). Heavy rain associated with stronger storms was reported at Guttenberg Lock and Dam (Clayton County) and Waucoma (Fayette County); these stations observed 1.47 inches and 1.35 inches, respectively. Showers and thunderstorms skirted the Iowa-Minnesota border for much of Monday (July 1st) ahead of a low pressure system in Nebraska. As the low moved east, a line of strong thunderstorms formed in northwestern Iowa. These slow-moving storms produced locally heavy downpours and flash flooding in some locations. Eleven stations reported totals above two inches with three stations above three inches; Orange City (Sioux County) reported 3.62 inches.

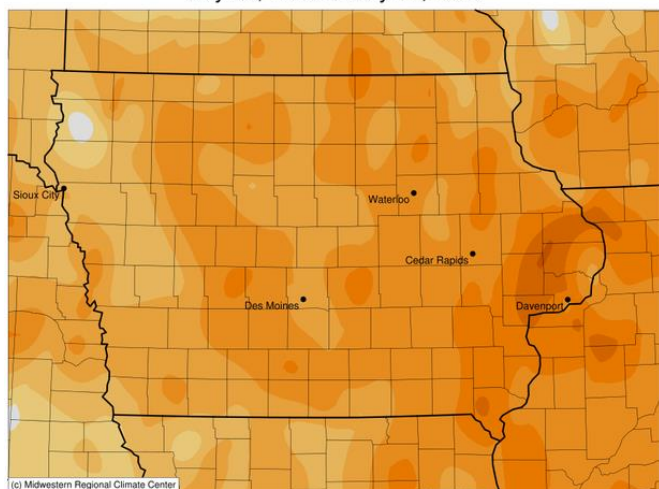
A stationary front draped across central Iowa continued to be a forcing mechanism for thunderstorms on Tuesday (2nd). Storms began popping up in the late afternoon and intensified into the evening as they moved into eastern Iowa. Rain totals were heaviest in west-central Iowa. Wednesday (3rd) saw similar behavior over most of Iowa as thunderstorms popped up along the existing boundary, transitioning south and east as the day progressed. Locally heavy rain fell along isolated lines of stronger thunderstorms. Two-day rain totals were greatest across the central west-to-east third of Iowa with 66 stations reporting over an inch; nine stations reported over three inches in central Iowa with a station in Boone County observing 5.13 inches. The statewide average rainfall was 0.51 inch, 0.19 inch above average.

Two waves of showers and thunderstorms moved across northern Iowa on Independence Day (4th). Rainfall totals were in the general range of a quarter of an inch to over two inches. Cherokee (Cherokee County) reported 2.39 inches while Ionia (Chickasaw County) reported 2.11 inches. Temperatures were three degrees warmer than normal statewide with highs in the mid to upper 80s; eastern Iowa reported lower 90s. Another line of thunderstorms moved into northwestern Iowa during the morning hours on Friday (5th), though it quickly dissipated in the afternoon. Rain totals ranged from 0.13 inch in Spirit Lake (Dickinson County) to 0.91 inch in Sibley (Osceola County). Isolated storms re-fired in eastern Iowa in the evening with locally heavy accumulations. Multiple stations across northeastern Iowa reported rainfall above one inch with Waukon (Allamakee County) observing 2.56 inches. Daytime highs were in the lower 90s in eastern Iowa, up to six degrees above average. The rest of Iowa experienced seasonal conditions under partly cloudy skies. Saturday (6th) was slightly cooler than normal with cloud cover that gradually dissipated through the day. Highs were in the upper 70s and lower 80s while overnight lows into Sunday (7th) cooled into the 60s under clear to partly cloudy skies.

Weekly rainfall totals ranged from no accumulation in Corning (Adams County) to 5.55 inches in Ogden (Boone County). The statewide weekly average precipitation was 1.13 inches, slightly above the normal of 1.08 inches. The week's high temperature of 97 degrees was reported on the 1st in Cherokee (Cherokee County), 12 degrees above normal. Cresco (Howard County) reported the week's low temperature of 56 degrees on the 7th, three degrees below average.

Average Temperature (°F): Departure from 1981-2010 Normals

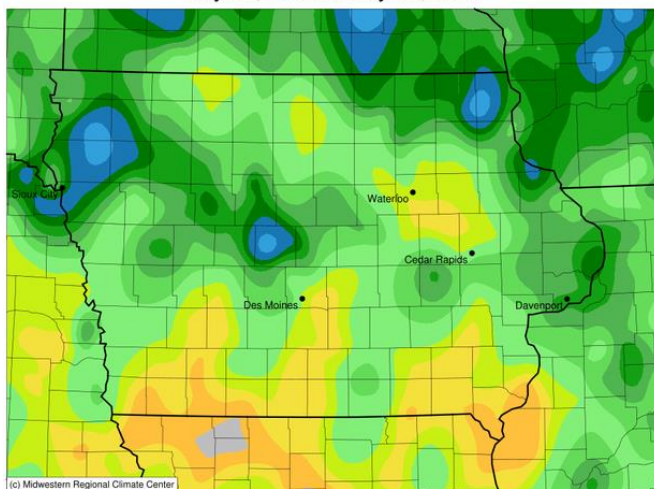
July 01, 2019 to July 07, 2019



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
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Accumulated Precipitation (in)

July 01, 2019 to July 07, 2019



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
 cli-MATE: MRCC Application Tools Environment
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