



# Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending July 19, 2020  
Issued July 20, 2020

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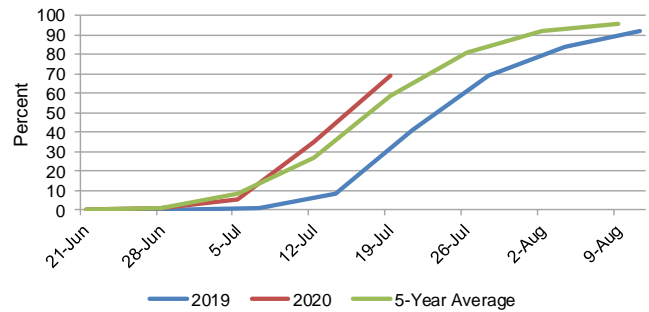
Although some areas of the State received over 3.0 inches of rain, statewide Iowa farmers had **5.7 days suitable for fieldwork** during the week ending July 19, 2020, according to the USDA, National Agricultural Statistics Service. Fieldwork activities included spraying, harvesting hay and grain movement.

**Topsoil moisture** levels rated 9% very short, 20% short, 69% adequate and 2% surplus. **Subsoil moisture** levels rated 6% very short, 19% short, 73% adequate and 2% surplus.

**Corn** silking or beyond reached 69%, 9 days ahead of the previous year and 3 days ahead of the 5-year average. Corn in the dough stage reached 6%, 8 days ahead of the previous year and 4 days ahead of the 5-year average. Corn condition rated 80% good to excellent. **Soybeans** blooming reached 74%, 2 weeks ahead of last year and 5 days ahead of average. Soybeans setting pods reached 29%, just over 2 weeks ahead of last year and 4 days ahead of average. Soybean condition rated 79% good to excellent. **Oats** turning color reached 90%, 8 days ahead of last year and 4 days ahead of the average. Oats harvested for grain reached 24%, 5 days ahead of last year but 1 day behind the average. Oat condition rated 81% good to excellent.

**Alfalfa hay** second cutting reached 76%, 9 days ahead of last year and 4 days ahead of the average. **Hay condition** rated 68% good to excellent. **Pasture condition** rated 56% good to excellent. Heat stress and increased insect populations continue to affect livestock.

**Corn Silking - Iowa  
For the Third Week of July**



**Crop Condition as of July 19, 2020**

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn .....	1	3	16	65	15
Hay .....	1	5	26	56	12
Oats .....	0	2	17	70	11
Soybeans .....	1	3	17	65	14
Pasture and range .....	6	8	30	48	8

**Crop Progress as of July 19, 2020**

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 silking .....	76	84	55	66	68	70	51	79	73	69	35	32	59
Corn dough .....	5	8	4	3	11	7	2	3	13	6	1	1	3
Hay, alfalfa, second cutting .....	92	84	75	86	94	84	76	64	67	76	61	49	69
Oats coloring .....	91	95	88	81	88	96	89	95	90	90	73	71	83
Oats harvested for grain .....	11	26	12	17	34	34	35	25	46	24	4	9	27
Soybeans blooming .....	74	92	55	76	73	78	68	72	62	74	58	41	62
Soybeans setting pods .....	38	42	7	34	28	39	17	13	14	29	10	3	19

**Days Suitable for Fieldwork and Soil Moisture Condition as of July 19, 2020**

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 .....	6.3	5.6	5.2	6.5	5.6	5.2	5.6	4.8	5.3	5.7	5.7	5.0
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short .....	5	1	0	33	5	2	12	18	1	9	5	2
Short .....	31	8	7	23	30	16	25	22	21	20	22	14
Adequate .....	63	90	88	44	64	76	63	58	75	69	70	78
Surplus .....	1	1	5	0	1	6	0	2	3	2	3	6
Subsoil moisture												
Very short .....	3	1	0	17	5	2	6	16	1	6	3	1
Short .....	24	9	8	30	24	16	23	23	12	19	17	9
Adequate .....	72	88	88	53	71	75	70	61	85	73	78	81
Surplus .....	1	2	4	0	0	7	1	0	2	2	2	9

# 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 July 13, 2020, through 7:00 A.M. Central Time on July 19, 2020.

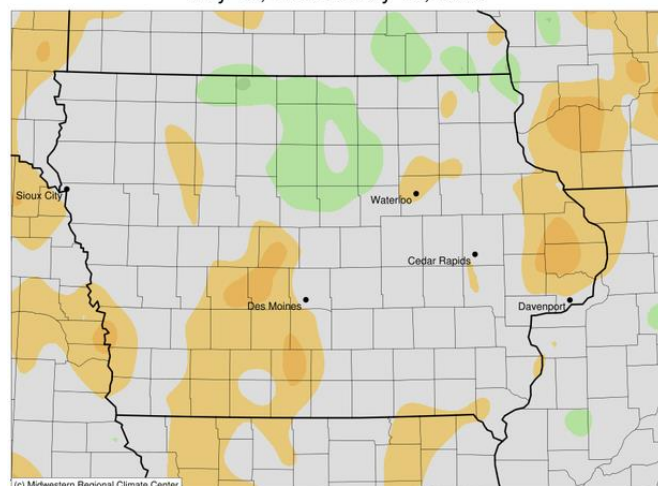
A combination of unseasonably cool and warm days during the reporting period led to near normal temperatures across Iowa. The statewide average temperature was 74.6 degrees, 0.7 degrees below normal. While above average rain was reported in Iowa's southern one-third, dryness persisted over the rest of the state, near an inch below average. West-central Iowa continued to experience the driest conditions with precipitation deficits continuing to accumulate.

Partly to mostly sunny skies persisted through Sunday (12<sup>th</sup>) as a high pressure center sat over the Midwest. Daytime temperatures remained seasonal, in the low to mid 80s, with light northerly winds. Overnight lows reported on Monday (13<sup>th</sup>) dipped into the low 60s under starry skies and light, variable winds. With some mid-level clouds moving over parts of Iowa, highs reached into the mid-80s north to upper 80s south. Southerly winds were also gusty in western Iowa as the next weather system approached; cloud cover increased in northwestern Iowa as a weak cold front brought showers and thunderstorms into the early morning hours of Tuesday (14<sup>th</sup>). The front swept across the state as highs stayed in the 80s; temperatures remained in the low 70s in northwestern Iowa where clouds and rain were present. With warm and humid conditions in the state's eastern half, strong thunderstorms fired in the late afternoon and sped east and southeast through the evening. Some storms in central Iowa turned severe with several reports of straight-line winds; widespread crop damage was observed around Sandyville (Marion County). There were also a few severe hail reports with two-inch diameter hail in Grimes (Polk County). A secondary low pressure system moving from Kansas into Missouri brought additional thunderstorms across southern Iowa with locally heavy rainfall.

The system persisted through Wednesday (15<sup>th</sup>) before pushing out of eastern Iowa during the evening hours. Highs behind the front were unseasonably cool, from low 70s in southeast Iowa to upper 70s in northwest Iowa; the statewide average high was 77 degrees, eight degrees below normal. Rain totals showed many of Iowa's stations receiving measurable rainfall. Gauges across Iowa's southern one-third reported widespread totals between 0.50 inch to over three inches. More than 100 stations observed an inch or more with locally heavier amounts in south-central Iowa; Creston (Union County) observed 3.08 inches while Ackworth (Warren County) reported 3.53 inches. The statewide average total was 0.72 inch with some stations in northwestern Iowa reporting no measurable rainfall. Morning lows on Thursday (16<sup>th</sup>) were well below average as a cooler air mass sat over the Midwest. Temperatures were in the upper 40s across north-central Iowa, gradually warming into the 50s farther south. The statewide average low was 56 degrees, six degrees cooler than normal. With high pressure and southerly winds, daytime temperatures on Friday (17<sup>th</sup>) rebounded into the upper 80s and low 90s. Spotty showers popped up in northwest and south central Iowa, though most of the state stayed dry. Another cold front pushed through Iowa during the day on Saturday (18<sup>th</sup>) bringing light to moderate rain across a southwest to northeast swath of Iowa. Hot and very muggy conditions were observed with highs pushing into the upper 80s to mid 90s; heat indices were also in the triple digits. Thunderstorms lingered in southeastern Iowa into Sunday (19<sup>th</sup>) as 24-hour reports generally showed a few tenths of an inch with locally heavier totals in the northeast.

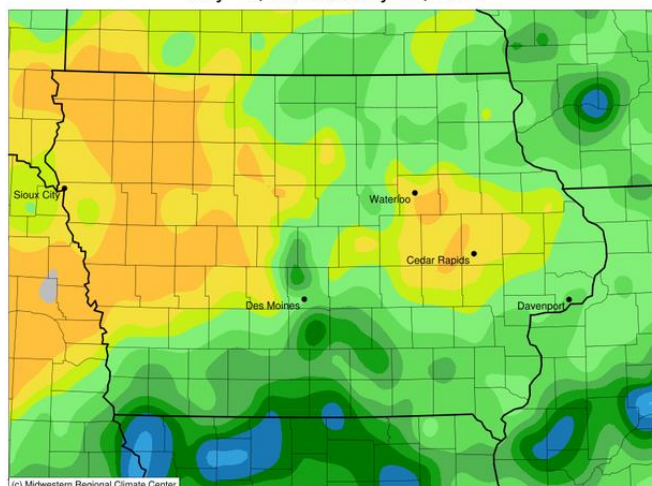
Weekly precipitation totals ranged from no accumulation at multiple stations in western Iowa to 3.56 inches at Ackworth 2 SW. The statewide weekly average precipitation was 0.75 inch while the normal is 1.02 inches. Little Sioux 2NW (Harrison County) reported the week's high temperature of 98 degrees on the 18<sup>th</sup>, 12 degrees above normal. Mason City (Cerro Gordo County) reported the week's low temperature of 44 degrees on the 16<sup>th</sup>, 17 degrees below normal. This reading ties with 1912 as the station's record low temperature for the date.

Average Temperature (°F): Departure from 1981-2010 Normals  
July 13, 2020 to July 19, 2020



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  
Generated at: 7/20/2020 10:11:39 AM CDT

Accumulated Precipitation (in)  
July 13, 2020 to July 19, 2020



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