



Western Iowa was the recipient of some much-needed precipitation this week and farmers, statewide, had **5.3 days suitable for fieldwork** during the week ending July 9, 2023, according to the USDA, National Agricultural Statistics Service. Field activities included cutting hay and spraying crops. Some reports were received of farmers beginning to harvest oats for grain.

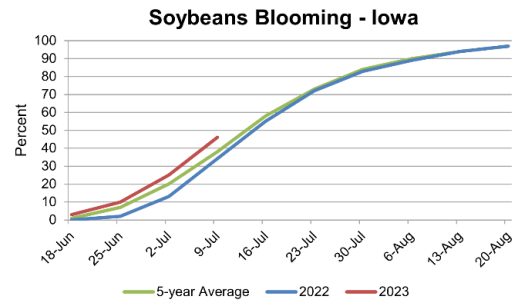
**Topsoil moisture** condition rated 15 percent very short, 42 percent short, 42 percent adequate and 1 percent surplus. **Subsoil moisture** condition rated 19 percent very short, 45 percent short, 35 percent adequate and 1 percent surplus.

**Corn** silking hit 22 percent this week, 6 days ahead of last year and 2 days ahead of the 5-year average. Some reports were received of corn starting to dough. Corn condition remained steady at 61 percent good to excellent. Forty-six percent of **soybeans** were blooming, 5 days ahead of last year and 3 days ahead of the average. Soybeans setting pods reached 7 percent, 4 days ahead of last year and 1 day ahead of normal. Soybean condition rated 52 percent good to excellent. Sixty-seven percent of **oats** were turning color, 8 days ahead of last year and 5 days ahead of normal. Oat condition improved slightly with 52 percent good to excellent.

The State’s second cutting of **alfalfa hay** reached 58 percent complete, 9 days ahead of last year and 1 week ahead of the average. **Hay condition** improved slightly to 35 percent good to excellent. **Pasture condition** rated 24 percent good to excellent. Livestock producers continued to supplement with hay as pasture conditions remained below average.

**Crop Condition as of July 9, 2023**

Item	Very Poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Corn .....	2	7	30	53	8
Hay, all .....	5	19	41	31	4
Oats .....	2	7	39	47	5
Pasture and range ..	12	24	40	22	2
Soybeans .....	4	8	36	46	6



**Crop Progress as of July 9, 2023**

Item	Districts									State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-year avg
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Corn silking .....	27	22	12	23	24	14	32	25	28	22	4	6	17
Hay, alfalfa, 2nd cutting .....	59	54	69	60	73	74	63	40	44	58	35	33	40
Oats coloring .....	70	67	55	59	62	77	78	79	81	67	43	44	51
Soybeans blooming .....	44	43	22	50	48	65	50	28	57	46	25	31	38
Soybeans setting pods .....	9	1	1	8	13	12	10	3	4	7	2	3	6

**Days Suitable for Fieldwork and Soil Moisture Condition as of July 9, 2023**

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 .....	5.1	5.9	6.0	4.8	5.9	6.0	4.5	4.5	4.4	5.3	5.1	4.0
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short .....	8	9	12	22	12	20	27	10	15	15	17	3
Short .....	43	40	44	39	46	50	34	40	39	42	38	19
Adequate .....	49	51	43	37	39	30	39	48	44	42	44	72
Surplus .....	0	0	1	2	3	0	0	2	2	1	1	6
Subsoil moisture												
Very short .....	10	11	9	31	20	33	31	14	18	19	21	7
Short .....	47	47	46	39	35	47	42	52	51	45	40	22
Adequate .....	43	42	44	28	43	20	27	32	30	35	38	66
Surplus .....	0	0	1	2	2	0	0	2	1	1	1	5

The complete report can be found on the USDA NASS website at [www.nass.usda.gov/Publications](http://www.nass.usda.gov/Publications).

**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 3, 2023, through 7:00 A.M. Central Time on July 9, 2023.*

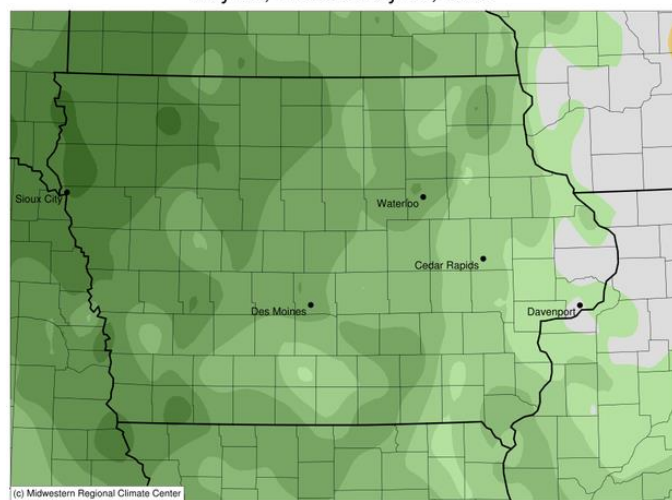
Showers and thunderstorms produced widespread rainfall through the reporting period with pockets of near-normal to above-average totals in western, northeast, and southeast Iowa; some stations measured one to three inches of above-normal amounts. The rest of the state had rainfall deficits in the 0.50-1.00-inch range. Temperatures were also unseasonably cool with negative departures of up to seven degrees northwest; the statewide average temperature was 68.8 degrees, 5.5 degrees below normal.

Showers cleared eastern Iowa through Sunday (2<sup>nd</sup>) afternoon as mostly clear conditions and highs in the low to mid 80s were reported across much of the state. Calm to light, variable winds continued overnight into Monday (3<sup>rd</sup>) with morning lows in the low to mid 60s and reports of patchy fog southwest and southeast. Southwesterly winds increased through the day with daytime temperatures rising into the upper 80s and low 90s under sunny skies. Spotty thunderstorms, some severe warned, fired in northwestern Iowa later in the afternoon before dissipating after sunset. Another round formed after midnight in northeastern Iowa. Rain totals at 7:00 am on Tuesday (4<sup>th</sup>) were above 0.50 inches at ten stations with Oelwein (Fayette County) observing 1.15 inches while Strawberry Point (Clayton County) measured 1.29 inches. Showers associated with an approaching low-pressure system pushed into the northwest corner just before noon where daytime highs held in the 70s while upper 80s and low 90s were observed farther east. As the low's attendant cold front moved over the Nebraska border, severe thunderstorms formed but lost strength over the next few hours as fireworks streaked across the sky. Widespread rain totals above 0.25 inches were reported in western Iowa with higher amounts ranging from 0.73 inches at Rock Rapids (Lyon County) to 2.26 inches in Mapleton (Monona County). Thunderstorms dissipated as the front moved through central Iowa into Wednesday (5<sup>th</sup>) morning but reformed stronger storms along the Iowa-Illinois border in the early afternoon; Burlington (Des Moines County) registered 0.79 inches while Salem (Henry County) collected 1.11 inches. Northerly winds built in behind the front along with cooler high temperatures in the 70s.

Thursday (6<sup>th</sup>) started with morning lows in the mid-50s northwest to mid-60s southeast under clear skies with a light, northerly wind. Partly cloudy skies developed into the afternoon hours with pleasant highs in the 70s. Clouds increased over western Iowa close to sunrise on Friday (7<sup>th</sup>) as another low-pressure center approached from Nebraska. A broad area of showers and thunderstorms developed and pushed across Iowa for the remainder of the day. Temperatures were unseasonably cool statewide with upper 50s to mid-60s west to east. Most of Iowa's stations reported measurable rainfall with widespread amounts in the 0.25-0.75-inch range in western and southern Iowa; peripheral stations measured a tenth or two with a statewide average of 0.23 inches. Burlington and Salem again received totals over an inch, registering 1.65 inches and 1.97 inches respectively. Fog formed overnight into Saturday (8<sup>th</sup>) as winds shifted to the northwest with daytime conditions reaching into the mid to upper 70s under mostly sunny skies. Winds died down and became variable after sunset with isolated clouds moving across southern Iowa. Sunday (9<sup>th</sup>) morning saw a wide range of temperatures from spotty upper 40s in northwest Iowa to low 60s in eastern Iowa.

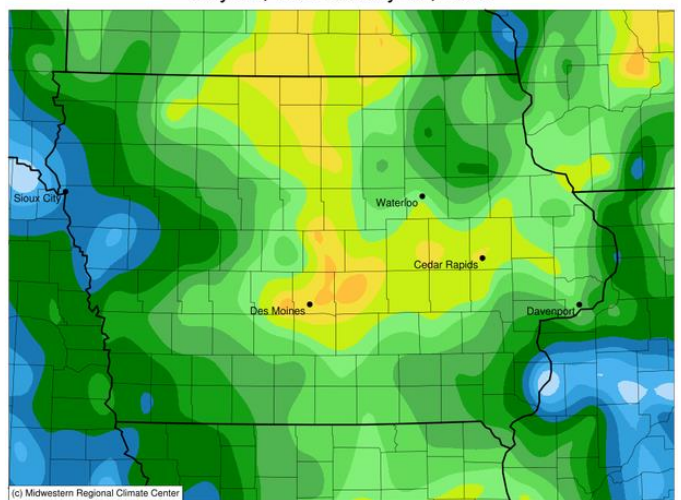
Weekly rain totals ranged from no accumulation at several north-central stations to 3.11 inches in Salem. The statewide weekly average precipitation was 0.64 inches, while the normal is 1.07 inches. Sioux City Airport (Woodbury County) reported the week's high temperature of 96 degrees on the 3<sup>rd</sup>, 11 degrees above normal. Vinton (Benton County) reported the week's low temperature of 42 degrees on the 7<sup>th</sup>, 18 degrees below normal.

**Average Temperature (°F): Departure from 1991-2020 Normals**  
 July 03, 2023 to July 09, 2023



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: 7/10/2023 10:53:46 AM CDT

**Accumulated Precipitation (in)**  
 July 03, 2023 to July 09, 2023



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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