



Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending July 11, 2021
Issued July 12, 2021

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Much needed rainfall limited farmers to **4.2 days suitable for fieldwork** during the week ending July 11, 2021, according to the USDA, National Agricultural Statistics Service. There were scattered reports of crops lying flat due to strong winds and hail. Field activities included hauling grain, applying fungicides and harvesting hay and oats.

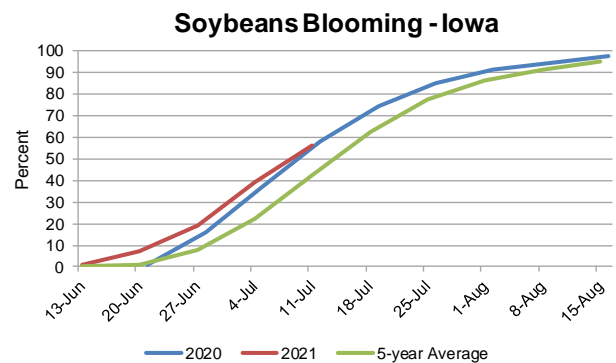
Topsoil moisture levels rated 9% very short, 31% short, 56% adequate and 4% surplus. **Subsoil moisture** levels rated 16% very short, 40% short, 42% adequate and 2% surplus. Districts in northwest Iowa reported subsoil moisture conditions as 78% percent short to very short while subsoil levels in southeast Iowa rated 87% adequate to surplus.

Widespread precipitation helped with stress on crops and forages. **Corn** silking or beyond reached 21%, two days behind the 5-year average. There were scattered reports of corn reaching the dough stage. Iowa's corn condition improved slightly to 66% good to excellent. Fifty-six percent of **soybeans** were blooming, 5 days ahead of the five-year average. Fifteen percent of soybeans were setting pods, 5 days ahead of normal. Soybean condition improved to 65% good to excellent. **Oats** headed or beyond reached 97% with 72% turning color, three days ahead of normal. Ten percent of oats for grain has been harvested, two days ahead of the 5-year average. Iowa's oat condition improved to 62% good to excellent.

The second cutting of **alfalfa hay** reached 50% complete, one day behind the 5-year average. **Hay condition** rated 57% good to excellent. **Pasture condition** was rated 43% good to excellent. There was little stress on livestock this past week although a few producers reported some pinkeye in cattle.

Crop Condition as of July 11, 2021

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	5	27	56	10
Hay, all	2	8	33	44	13
Oats	1	5	32	52	10
Pasture and range	4	15	38	37	6
Soybeans	1	5	29	55	10



Crop Progress as of July 11, 2021

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	16	28	10	20	24	24	24	34	19	21	4	31	27
Hay, alfalfa, second cutting	57	58	62	61	58	44	47	41	39	50	30	58	54
Oats headed	99	96	96	97	99	99	99	98	96	97	94	97	97
Oats coloring	81	80	61	79	65	75	81	77	79	72	50	68	61
Oats harvested	13	3	3	28	9	17	5	12	19	10	2	3	8
Soybeans blooming	64	64	41	60	70	52	50	37	41	56	39	55	42
Soybeans setting pods	18	17	13	14	28	13	7	5	3	15	5	9	7

Days Suitable for Fieldwork and Soil Moisture Condition as of July 11, 2021

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	4.4	4.3	4.5	4.0	4.6	4.5	3.4	4.3	2.8	4.2	5.7	5.7
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	9	14	10	8	18	5	0	6	0	9	14	5
Short	42	37	45	31	41	34	8	10	1	31	36	22
Adequate	49	49	45	60	40	60	83	71	71	56	48	70
Surplus	0	0	0	1	1	1	9	13	28	4	2	3
Subsoil moisture												
Very short	30	14	9	24	22	16	3	7	4	16	18	3
Short	48	42	54	49	50	41	23	18	9	40	45	17
Adequate	22	44	37	27	26	43	70	71	71	42	34	78
Surplus	0	0	0	0	2	0	4	4	16	2	3	2

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 5, 2021, through 7:00 A.M. Central Time on July 11, 2021.

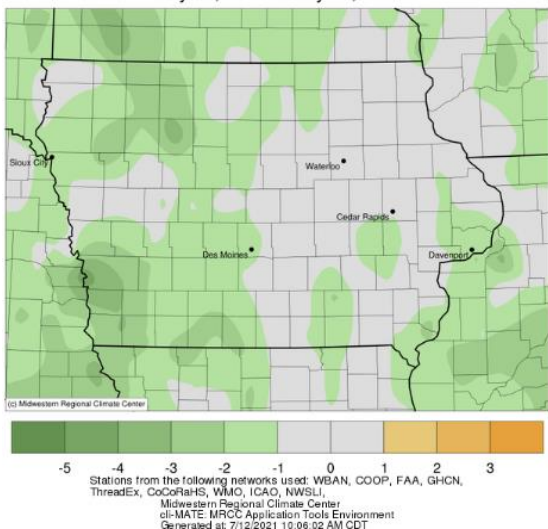
A welcome shift in the storm path brought much-needed precipitation statewide over the reporting period along with a few days of severe weather. A majority of the state's reporting stations observed above-average rainfall with parts of southern Iowa measuring amounts from one to three inches above average. With clouds and rain present, temperatures were generally seasonal with cooler conditions in the west; the statewide average temperature was 71.8 degrees, 2.6 degrees below normal.

Clear skies and southerly winds greeted Iowans through Sunday (4th) afternoon as daytime highs ranged from the low to mid 90s north to mid 80s southeast. After Independence Day fireworks fizzled out during the early morning hours, a narrow line of thunderstorms pushed into north-central Iowa, dissipating by sunrise as morning temperatures dropped into the low 70s. A handful of stations reported rain with Northwood (Worth County) measuring 0.70 inch. Monday (5th) was another warm and muggy day as upper 80s and low 90s were recorded across Iowa; the statewide average high was 90 degrees, seven degrees above normal. A thin line of strong thunderstorms with locally heavy downpours formed across extreme northern Iowa later in the evening before dying out very early on Tuesday (6th) morning. Sioux City (Woodbury County) reported 0.01 inch while Sanborn (O'Brien County) observed 0.85 inch. The first of multiple low pressure systems began moving through Iowa during the day, bringing sporadic thunderstorm activity over Iowa's northern third. The low's attendant cold front swept across the state overnight into Wednesday (8th) providing widespread and locally heavy rain in western Iowa. Over 20 stations reported an inch or more with Manning (Carroll County) observing 2.47 inches. The front continued through Iowa before exiting the eastern border before midnight. Overnight lows were cooler behind the front, from the mid 50s northwest to mid 60s southeast. Rain totals reported at 7:00 am on Thursday (8th) highlighted several pockets of 0.50 inch and more in southern and eastern Iowa with general totals of a few tenths at other stations; Centerville (Appanoose County) and Osceola (Clarke County) both measured totals above two inches. Another disturbance brought severe thunderstorms to northwestern Iowa around midnight with scattered hail reports. Heavy rainfall was also observed in the stronger cells; a small sliver of stations from Plymouth to Carroll counties observed totals above 1.50 inches; Remsen (Plymouth County) dumped out 2.01 inches. Widespread totals in the state's western half ranged from 0.25 inch to an inch with a statewide average of 0.32 inch.

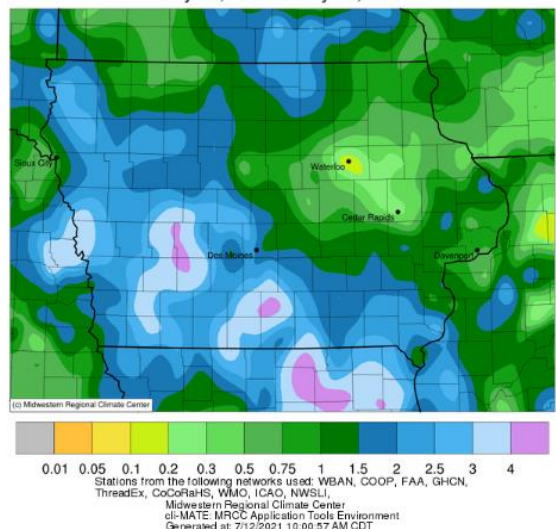
Showers and thunderstorms continued across central Iowa into Friday (9th) morning as a potent low pressure system approached southwestern Iowa. A severe-warned discrete supercell thunderstorm fired over Webster County and raced southeast through the Des Moines (Polk County) metro area before dissipating in south-central Iowa. The cell produced golf to tennis ball-size hail from Woodward (Dallas County) to Carlisle (Warren County), shredding tree leaves, snapping corn stalks and defoliating soybean fields along a 70-mile path; Woodward reported three-inch hailstones while an observer in Beavertdale (Polk County) collected 3.25-inch hail. Additional waves of strong and severe thunderstorms formed throughout the evening in southeastern Iowa and then later in the night over western Iowa, persisting across much of Iowa's southern half into late Saturday (10th) morning. Rain totals from the previous 48-hours were highest in southern Iowa with local amounts of 2.00 to 4.00 inches; Chariton (Lucas County) observed 4.13 inches. Iowa's northern half saw a gradient from a few tenths of an inch to more than an inch farther south; the statewide average total was 0.91 inch. As the strong disturbance pushed east, rainfall continued through the day as storms re-fired in western Iowa, with a stronger line of storms moving into central Iowa during the evening. Stubborn showers sat over southeastern Iowa as the system slowly moved out on Sunday (11th) morning. As with the last several days, beneficial rains were poured out of gauges across much of western, central and southeastern Iowa, generally between 0.25 inch to 1.25 inches. Slow-moving storms in Lyon and Sioux counties brought localized totals above 2.50 inches over 24 hours.

Weekly precipitation totals ranged from 0.14 inch at Waterloo Municipal Airport (Black Hawk County) to 4.80 inches in Adair (Adair County). The statewide weekly average precipitation was 1.89 inches while the normal is 0.79 inch. Rock Rapids (Lyon County) observed the week's high temperature of 97 degrees on the 5th, 12 degrees above normal. Estherville Municipal Airport (Emmet County) reported the week's low temperature of 48 degrees on the 8th, 12 degrees below normal.

Average Temperature (°F): Departure from 1991-2020 Normals
July 05, 2021 to July 11, 2021



Accumulated Precipitation (in)
July 05, 2021 to July 11, 2021



Temperature and Precipitation Maps, courtesy of the Midwestern Regional Climate Center, are available at: <http://mrcc.isws.illinois.edu/CLIMATE/>

Growing Degree Days can be found at <https://mrcc.illinois.edu/U2U/gdd/>