



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/ia

Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending June 20, 2021
Issued June 21, 2021

Media Contact: Greg Thessen

With only spotty rains across most areas of the State, farmers had **6.0 days suitable for fieldwork** during the week ending June 20, 2021 according to the USDA, National Agricultural Statistics Service. Field activities included spraying post emergence herbicides, side dressing nitrogen, and harvesting hay.

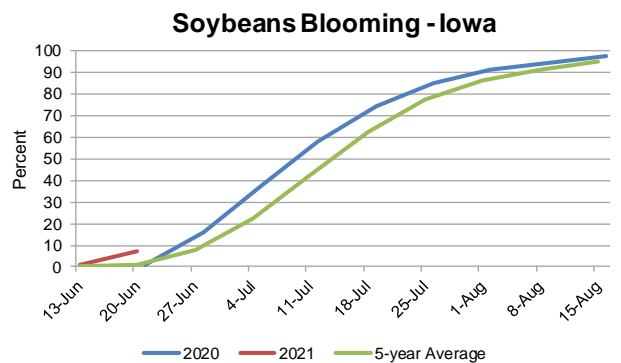
Topsoil moisture levels rated 25% very short, 39% short, 35% adequate and 1% surplus. **Subsoil moisture** levels rated 23% very short, 46% short, 31% adequate and 0% surplus.

Crops showed signs of stress from the lack of precipitation and high heat. Farmers reported corn curling and ground cracking in some areas. Iowa's **corn** condition rated 56% good to excellent, 7 percentage points below the past week. **Soybean** emergence was 96% complete, 1 week ahead of the 5-year average. Across the State, 7% of soybeans were blooming, also 1 week ahead of normal. There were scattered reports of soybeans setting pods. Soybean condition declined to 57% good to excellent. **Oats** headed or beyond reached 74% with 13% turning color, 1 week ahead of the 5-year average. Iowa's oat condition rated 54% good to excellent.

The first cutting of **alfalfa hay** reached 95% complete, 9 days ahead of normal. There were scattered reports of farmers completing a second cutting. **Hay condition** continued to fall to 49% good to excellent, 6 percentage points below last week. **Pasture condition** also continued to drop this week to 37% good to excellent. Heat and continued dry conditions are stressing livestock.

Crop Condition as of June 20, 2021

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	2	6	36	50	6
Hay, all	4	11	36	42	7
Oats	2	6	38	48	6
Pasture and range	7	18	38	34	3
Soybeans	2	7	34	50	7



Crop Progress as of June 20, 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)
Hay, alfalfa, first cutting	92	96	95	94	98	98	94	92	94	95	87	91	89
Oats headed	62	74	72	85	85	72	89	75	65	74	56	67	69
Oats coloring	9	5	5	16	16	18	24	17	19	13	2	0	3
Soybeans emerged	98	96	95	95	99	95	96	96	96	96	93	96	91
Soybeans blooming	8	4	2	3	16	3	6	11	4	7	1	1	1

Days Suitable for Fieldwork and Soil Moisture Condition as of June 20, 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	6.7	6.1	5.4	5.8	5.9	6.8	5.9	5.4	5.3	6.0	6.6	4.7
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	41	30	18	20	21	38	6	18	25	25	24	1
Short	39	39	60	47	50	32	22	26	18	39	46	7
Adequate	19	31	22	33	29	30	72	50	53	35	30	83
Surplus	1	0	0	0	0	0	0	6	4	1	0	9
Subsoil moisture												
Very short	36	23	13	24	23	25	12	24	25	23	21	1
Short	49	54	59	56	56	36	30	36	13	46	50	6
Adequate	15	23	28	20	21	39	58	40	61	31	29	86
Surplus	0	0	0	0	0	0	0	0	1	0	0	7

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 June 14, 2021, through 7:00 A.M. Central Time on June 20, 2021.

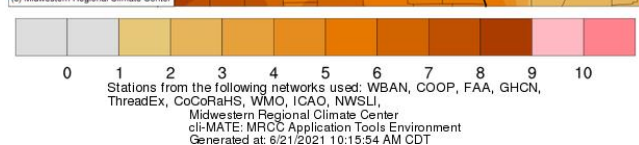
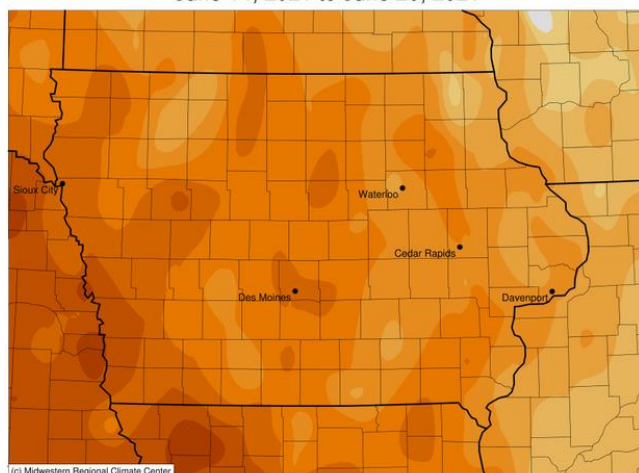
Through the middle of the month, much of Iowa experienced the driest start to June on record as unseasonably warm temperatures and low relative humidity gripped the state. The statewide average temperature was 75.6 degrees, 4.8 degrees above normal. With drought conditions persisting across Iowa, a shifting storm track brought much-needed rainfall to most of Iowa's reporting stations along with severe weather. Precipitation deficits of up to 1.25 inches were reported in northeastern Iowa; only portions of southern Iowa reported above-average rainfall.

Afternoon temperatures on Sunday (13th) reached into the low to mid 90s with variable winds under a sunny sky. Overnight lows remained unseasonably warm, ranging in the low 60s to low 70s. Isolated, light showers pushed into northwest Iowa early on Monday (14th) as temperatures moderated from the previous day, generally in the 80s with a few passing clouds and a light breeze. With a large-scale high pressure dome parked over the Midwest and low dew points, morning lows into Tuesday (15th) ranged from the 50s northwest to low 60s southeast. Dry air and sunshine allowed temperatures to rise into the upper 80s and low 90s with reports of spotty haze in northeastern Iowa. Widely scattered thundershowers developed in western Iowa before sunrise on Wednesday (16th) as winds shifted to the south through the day boosting afternoon highs into the low 90s west to mid 80s east. Additional storms, some strong to severe, fired in northwestern Iowa during the late evening hours producing hail and strong winds from Buena Vista County south to Audubon County. Rain totals reported on Thursday (17th) showed widespread rainfall across a swath of western Iowa with lighter totals east as showers and thunderstorms moved through central and southern Iowa; Anita (Cass County) reported 0.78 inch while Manning (Carroll County) observed 0.96 inch with general accumulations of a few tenths of an inch at a majority of stations experiencing rain. Afternoon conditions were sweltering across much of Iowa with several stations reporting triple-digit temperatures; the statewide average high was 95 degrees, 14 degrees above normal.

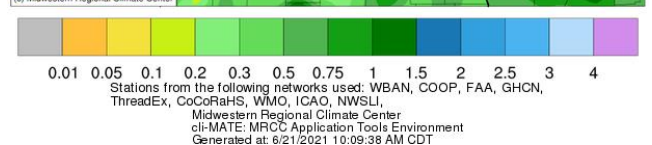
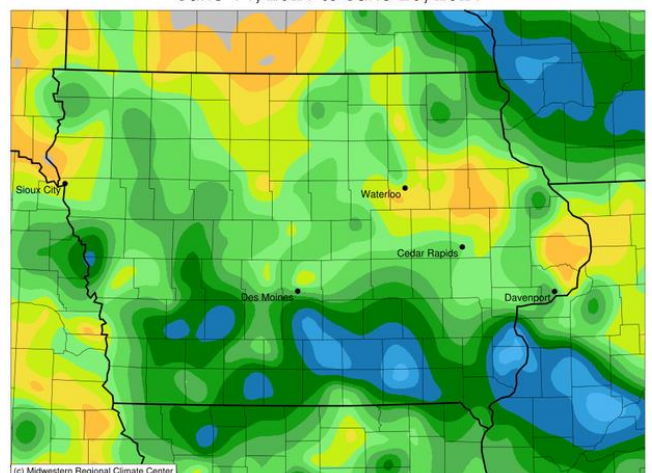
A low pressure system propagating across northern Iowa produced stronger thunderstorms just before midnight and through Friday (18th) morning. Additional showers formed during the day as the atmosphere over southern Iowa destabilized into the evening hours, partially due to afternoon temperatures reaching into the 80s under clear skies with higher humidity. Severe thunderstorms formed in this environment with several large hail and straight-line wind reports south of Interstate 80; 2.50-inch diameter hail was reported near Lake Red Rock (Marion County) while severe straight-line winds flattened corn around Milton (Van Buren County). Rain totals at 7:00 am on Saturday (19th) were heaviest near the Iowa-Missouri border with almost 30 stations measuring an inch or more; six stations in Davis County reported more than two inches with a gauge in Drakesville dumping out 3.54 inches. Another strong low pressure system pushed across Iowa overnight into Sunday (20th) producing widespread and much-needed rainfall across most of Iowa with only 15 stations receiving no rain. The statewide average rainfall was 0.40 inch with Little Sioux (Harrison County) observing 2.10 inches; nearly 20 stations reported over an inch of water.

Weekly precipitation totals ranged from no accumulation at a few Iowa stations to 3.56 inches in Mediapolis (Des Moines County). The statewide weekly average precipitation was 0.68 inch while the normal is 1.32 inches. Little Sioux (Harrison County) observed the week's high temperature of 104 degrees on the 17th, 20 degrees above normal. Elkader (Clayton County) reported the week's low temperature of 49 degrees on the 15th, nine degrees below normal.

Average Temperature (°F): Departure from 1991-2020 Normals
June 14, 2021 to June 20, 2021



Accumulated Precipitation (in)
June 14, 2021 to June 20, 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/>