



Rain, high winds, and cold conditions continued to stall spring planting, limiting Iowa farmers to **2.3 days suitable for fieldwork** during the week ending April 24, 2022, according to the USDA, National Agricultural Statistics Service. Fieldwork activities were primarily applying anhydrous and fertilizer. Reports were received of limited corn and soybean planting as well as planting oats. In addition to periodic precipitation, cool soil temperatures have some farmers waiting to plant row crops.

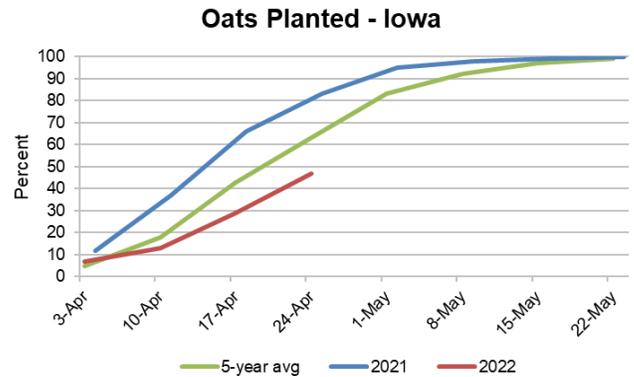
Topsoil moisture condition rated 4 percent very short, 18 percent short, 67 percent adequate and 11 percent surplus. **Subsoil moisture** condition rated 9 percent very short, 29 percent short, 58 percent adequate and 4 percent surplus.

Forty-seven percent of the expected **oat** crop has been planted, 10 days behind last year and 5 days behind the 5-year average.

Pastures were slowly turning green. Hay supplies were dwindling in some areas. Livestock conditions were generally good, with calving in full swing.

Crop Condition as of April 24, 2022

Item	Very Poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Pasture and range..	5	19	44	29	3



Crop Progress as of April 24, 2022

Item	Districts									State			
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year	5-year avg
	(percent)												
Oats planted	66	53	40	60	58	57	50	23	30	47	29	81	63
Oats emerged	23	6	2	10	9	8	13	8	11	8	2	27	17

Days Suitable for Fieldwork and Soil Moisture Condition as of April 24, 2022

Item	Districts									State		
	NW	NC	NE	WC	C	EC	SW	SC	SE	This week	Last week	Last year
	(days)											
Days suitable	2.7	2.0	2.5	2.4	2.3	2.2	2.8	1.9	1.1	2.3	2.8	5.6
	(percent)											
Topsoil moisture												
Very short	7	3	1	13	1	0	2	1	0	4	7	6
Short	42	25	4	32	9	3	18	13	1	18	22	28
Adequate	49	68	87	53	72	73	78	64	69	67	66	64
Surplus	2	4	8	2	18	24	2	22	30	11	5	2
Subsoil moisture												
Very short	12	8	1	26	4	0	13	2	4	9	11	10
Short	41	48	7	42	30	15	29	20	9	29	33	35
Adequate	46	42	83	31	63	76	55	74	78	58	54	54
Surplus	1	2	9	1	3	9	3	4	9	4	2	1

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 April 18, 2022, through 7:00 A.M. Central Time on April 24, 2022.

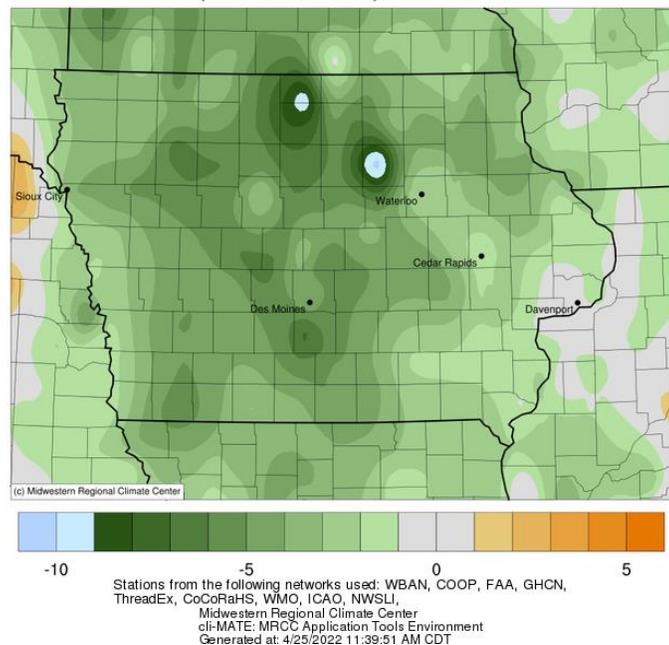
Several rounds of showers and thunderstorms brought moderate to heavy rain across central and eastern Iowa through the reporting period; some stations measured over two inches of above average rainfall. The active storm track produced multiple occurrences of severe straight-line winds, large hail and an isolated tornado. Unseasonably cool temperatures also persisted with departures of up to nine degrees below normal; the statewide average temperature was 48.4 degrees, 4.3 degrees below normal.

Light rain and snow showers continued Easter Sunday (17th) afternoon with a band of 1.5 – 3.0 inch snow totals measured from south-central into northwestern Iowa; a station near Indianola (Warren County) reported 4.0 inches. Afternoon highs ranged from the low 30s northwest to low 40s southeast. Most of Iowa’s stations observed measurable precipitation totals at 7:00 am on Monday (18th) in the range of 0.20 to 0.40 inch. A dome of high pressure took control of the weather pattern as winds shifted to the northwest with clearing skies in western Iowa. Under sunny skies, daytime temperatures pushed into the upper 40s and low 50s, while upper 30s and low 40s blanketed eastern Iowa where clouds persisted. Starry skies and variable winds were reported into Tuesday (19th) morning with lows in the 20s. Cloud cover gradually increased from west to east through the afternoon and evening hours as southwesterly winds became gusty. A warm front and return flow continued to warm temperatures across southern Iowa overnight and hold them in the upper 40s and low 50s by sunrise on Wednesday (20th). A fast moving disturbance produced scattered showers throughout the day with most of Iowa reporting measurable totals. Much of Iowa’s eastern two-thirds measured at least 0.25 inch with totals over 0.75 inch in the southeast corner; Donnellson (Lee County) observed 1.25 inches. Under clear skies, windless conditions and ample low-level moisture, very dense fog formed overnight and persisted through the late morning on Thursday (21st) until increasing winds and solar heating mixed out the lower atmosphere. Afternoon highs, in the upper 50s to mid 60s, were pleasant under mostly sunny skies.

A line of showers formed in the late evening over southern Iowa and pushed north along an atmospheric boundary. The area of rain expanded across central and northern Iowa as severe storms pushed into western Iowa prior to sunrise on Friday (22nd). Pockets of heavier rainfall associated with slow-moving thunderstorms produced flash flooding across several central Iowa counties with rain rates approaching three inches per hour. The disturbance exited eastern Iowa in the early afternoon as gusty southerly winds built in. A strong warm front lifted north over Iowa, pushing daytime temperatures into the upper 70s and low 80s in southern and western Iowa; temperatures remained in the low 60s northeast; the statewide average high was 73 degrees, 10 degrees above normal. Overnight temperatures remained unseasonably warm, holding in the upper 60s and low 70s in southwestern Iowa. A line of strong thunderstorms rapidly formed ahead of a strong low pressure disturbance and moved across western Iowa after sunrise on Saturday (23rd). Some storms turned severe as the line raced into central Iowa before dissipating northeast. A second, stronger squall line formed along the low’s attendant cold front during the late afternoon hours as temperatures hovered in the mid to upper 70s with ample instability. Several storms turned severe through the evening hours with multiple reports of 60 - 70 mph winds and quarter-sized hail; a weak tornado was also spotted near Sheldahl (Boone County). Pockets of heavier rain totals were found in south-central Iowa with general storm amounts between a tenth and half of an inch. A gauge in Des Moines (Polk County) measured 1.06 inches with a statewide average at 0.20 inch reported at 7:00 am Sunday (24th).

Weekly precipitation totals ranged from 0.08 inch at Randolph (Fremont County) to 4.80 inches in Maxwell (Story County). The statewide weekly average precipitation was 1.35 inches while the normal is 0.90 inch. Sioux City Airport (Woodbury County) reported the week’s high temperature of 86 degrees on the 22nd, 23 degrees above average. Atlantic (Cass County) and Audubon (Audubon County) reported the week’s low temperature of 16 degrees on the 19th, on average 21 degrees below normal. Four-inch soil temperatures were in the upper 40s northwest to upper 50s southeast as of Sunday.

Average Temperature (°F): Departure from 1991-2020 Normals
 April 18, 2022 to April 24, 2022



Accumulated Precipitation (in)
 April 18, 2022 to April 24, 2022

