



Another dry, but relatively cool week left Iowa farmers with 6.3 **days suitable for fieldwork** during the week ending July 23, 2023, according to the USDA, National Agricultural Statistics Service. Field activities included cutting hay and harvesting oats. Some reports were received of farmers applying insecticides and fungicides. Persistent dry weather has raised concerns regarding crop conditions.

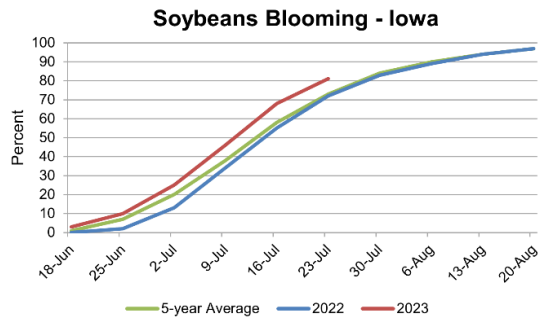
Topsoil moisture condition rated 13 percent very short, 42 percent short, 43 percent adequate and 2 percent surplus. **Subsoil moisture** condition rated 17 percent very short, 46 percent short, 36 percent adequate and 1 percent surplus.

Corn silking hit 79 percent this week, 6 days ahead of last year and 3 days ahead of normal. Nineteen percent of the corn crop has reached the dough stage, 5 days ahead of last year and 4 days ahead of the 5-year average. Some reports were received of corn starting to dent. Corn condition rated 63 percent good to excellent. Eighty-one percent of **soybeans** were blooming, 1 week ahead of last year and 5 days ahead of the average. Soybeans setting pods reached 35 percent, 2 days ahead of last year and 1 day ahead of the 5-year average. Soybean condition remained steady at 58 percent good to excellent. Ninety-three percent of **oats** were turning color, 11 days ahead of last year and 4 days ahead of normal. Oats harvested for grain reached 36 percent, 1 day ahead of last year and 1 day ahead the five-year average. Oat condition remained 51 percent good to excellent.

The State’s second cutting of **alfalfa hay** reached 86 percent complete, 6 days ahead of both last year and the average. The State’s third cutting of alfalfa hay reached 20 percent complete, 12 days ahead of last year and 11 days ahead of the 5-year average. **Hay condition** dropped to 37 percent good to excellent. **Pasture condition** fell to 24 percent good to excellent. Pasture and hay growth remain slow and below average, resulting in supplemental feeding of livestock.

Crop Condition as of July 23, 2023

Item	Very Poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Corn	2	7	28	53	10
Hay, all	6	11	46	32	5
Oats	3	9	37	47	4
Pasture and range ..	10	15	51	21	3
Soybeans	2	8	32	50	8



Crop Progress as of July 23, 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	76	78	70	78	83	75	87	82	86	79	49	61	71
Corn dough	20	13	16	20	20	25	21	26	20	19	8	7	11
Hay, alfalfa, 2nd cutting	94	92	93	87	94	95	89	74	79	86	74	74	76
Hay, alfalfa, 3rd cutting	18	12	21	19	12	25	21	23	17	20	3	3	3
Oats coloring	92	93	91	86	88	99	99	99	95	93	86	80	88
Oats harvested for grain	38	31	37	42	32	36	43	38	36	36	13	35	35
Soybeans blooming	82	77	66	86	82	89	82	66	86	81	68	70	73
Soybeans setting pods	36	32	24	40	44	45	36	22	25	35	17	29	33

Days Suitable for Fieldwork and Soil Moisture Condition as of July 23, 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	6.5	6.7	6.7	6.2	6.6	6.5	5.6	5.3	6.1	6.3	4.7	6.1
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	11	15	8	18	12	21	7	4	18	13	8	12
Short	46	49	39	33	50	45	39	34	35	42	35	26
Adequate	42	35	53	43	37	34	52	62	44	43	55	61
Surplus	1	1	0	6	1	0	2	0	3	2	2	1
Subsoil moisture												
Very short	15	18	7	23	10	30	15	5	29	17	15	11
Short	49	52	42	36	52	41	40	66	40	46	40	25
Adequate	35	30	51	37	38	29	45	27	28	36	43	63
Surplus	1	0	0	4	0	0	0	2	3	1	2	1

The complete report can be found on the USDA NASS website at 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 17, 2023, through 7:00 A.M. Central Time on July 23, 2023.

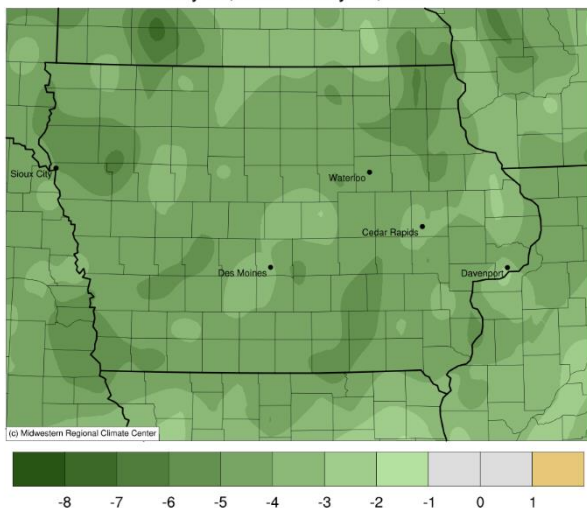
Unseasonably cool conditions continued over Iowa through the reporting period with negative temperature departures in the four to six-degree range across the state; the statewide average temperature was 69.3 degrees, 5.5 degrees below normal. The southwest corner of Iowa experienced three days of widespread and near-normal rainfall with much of north-central and east-central Iowa reporting departures of an inch or more below average. Weekend storms also brought measurable totals to the northeast corner.

Canadian wildfire smoke persisted through Sunday (16th) evening as westerly winds helped shift the flow. Afternoon highs held in the upper 70s with low 80s across much of southern Iowa. Showers and scattered thunderstorms fired over the southwestern half of the state during the early morning hours on Monday (17th) and Tuesday (18th). The first wave of thunderstorms brought several reports of hail through southern Iowa with Malvern (Mills County) reporting up to 1.50-inch hailstones; one-inch hail was observed from Lorimor (Union County) to Oskaloosa (Mahaska County). There were also multiple narrow swaths of rainfall totals above 0.30 inches over southwestern Iowa with 0.32 inches in Council Bluffs (Pottawattamie County) to 0.85 inches in Missouri Valley (Harrison County). The second round of showers clipped the southwest corner with lighter rainfall totals at a handful of stations ranging from 0.06 inches in Lamoni (Decatur County) to 0.16 inches at Hastings (Mills County). Additional showers formed over the afternoon and evening hours on Wednesday (19th) with totals at several stations under 0.10 inches.

Thursday (20th) was the ideal day of the week with daytime highs in the upper 70s and low 80s under brilliant sapphire skies. Partly cloudy conditions were reported in central Iowa, though the sun broke out as the evening wore on. Winds were no stronger than a baby's breath into Friday (21st) morning with lows in the upper 50s to mid-60s. Afternoon conditions were near seasonal with mid-level clouds transiting the sky. Daytime temperatures were a repeat of the previous day with puffy cumulus dotting the sky. Stars were visible for much of Iowa into Saturday (22nd) morning though foggy conditions developed in northwestern Iowa. Westerly winds and low to mid 80s were observed throughout the day as mostly sunny skies reigned. The week ended with isolated thunderstorms crossing the Minnesota border into northern Iowa through the evening hours, dissipating just southwest of Jack Creek in Emmet County; additional thunderstorms developed in eastern Iowa overnight into Sunday (23rd) with a pocket of heavier rainfall in Cedar County, though amounts quickly decreased towards the Weber neighborhood in western Coralville (Johnson County). Several counties in northeast Iowa also saw widespread totals in the 0.10 to 0.50-inch range.

Weekly rain totals ranged from no accumulation across a large northwest-to-southeast swath of Iowa to 1.50 inches in Adair (Adair County). The statewide weekly average precipitation was 0.18 inches; the normal is 0.99 inches. Sioux City Airport (Woodbury County) reported the week's high temperature of 89 degrees on the 22nd, four degrees above normal. Fayette (Fayette County) and Vinton (Benton County) reported the week's low temperature of 48 degrees on the 18th, on average 12 degrees below normal.

Average Temperature (°F): Departure from 1991-2020 Normals
July 17, 2023 to July 23, 2023



Accumulated Precipitation (in)
July 17, 2023 to July 23, 2023

