



Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending July 17, 2016
Issued July 18, 2016

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Timely rains this week were beneficial to crops. Statewide there were 4.5 **days suitable for fieldwork** for the week ending July 17, 2016, according to the USDA, National Agricultural Statistics Service. However, there were isolated reports of damage to crops and buildings caused by high winds and hail. Activities for the week included cutting hay and applying fungicide to corn.

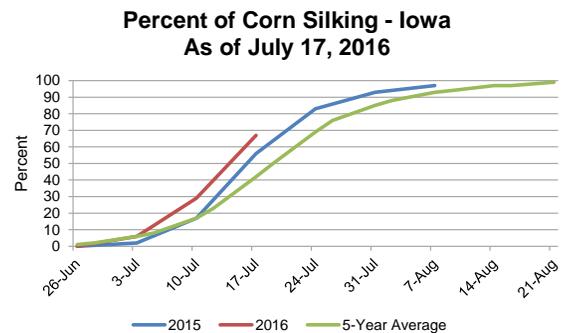
Topsoil moisture levels rated 3 percent very short, 12 percent short, 78 percent adequate and 7 percent surplus. **Subsoil moisture** levels rated 3 percent very short, 12 percent short, 80 percent adequate and 5 percent surplus.

Sixty-seven percent of the **corn** crop had reached the silking stage, five days ahead of last year and a week ahead of average. Across the State there were scattered reports of corn reaching the dough stage. Corn condition improved slightly to 81 percent good to excellent. **Soybeans** blooming reached 66 percent and soybean setting pods reached 20 percent. Both of these soybean stages were 4 days ahead of 2015 and 5 days ahead of normal. Soybean condition rated 80 percent good to excellent this week. **Oat** acreage turning color or beyond reached 91 percent, with 35 percent of the oat crop harvested for grain or seed, 4 days ahead of last year. Oat crop condition rated 79 percent good to excellent.

The second cutting of **alfalfa hay** reached 79 percent, 10 days ahead of normal. The third cutting of alfalfa hay became more widespread this week. **Hay condition** was rated at 74 percent good to excellent, while **pasture condition** rated 61 percent good to excellent. Livestock saw some stress due to heat and humidity as well as overgrazed pastures in some parts of the State.

Crop Conditions as of July 17, 2016

Item	Very poor (percent)	Poor (percent)	Fair (percent)	Good (percent)	Excellent (percent)
Corn	1	3	15	58	23
Hay, all	0	2	24	60	14
Oats	0	2	19	64	15
Soybeans	1	3	16	62	18
Pasture and range.....	2	7	30	50	11



Field Work and Crop Progress as of July 17, 2016

Item	Districts										State	Last week	Last year	5-yr avg
	NW	NC	NE	WC	C	EC	SW	SC	SE					
	(percent)													
Corn silking	48	72	62	71	77	74	66	65	76	67	29	45	42	
Hay, alfalfa, second cutting	91	83	88	83	88	80	73	69	73	79	67	49	59	
Hay, alfalfa, third cutting	15	7	11	5	7	5	1	1	4	6	2	0	5	
Oats coloring	92	85	92	94	96	86	91	95	93	91	75	82	78	
Oats harvested	18	16	38	32	43	31	33	45	41	35	16	24	30	
Soybeans blooming	64	71	68	70	71	71	54	54	57	66	40	56	55	
Soybeans setting pods	14	30	16	20	28	23	14	15	18	20	6	12	10	

Days Suitable & Soil Moisture Condition as of July 17, 2016

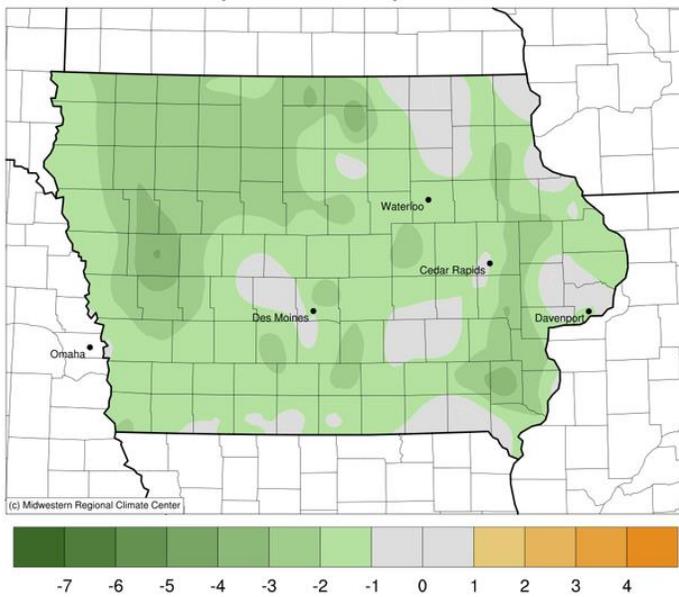
Item	Districts										State	Last week	Last year
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	(days)												
Days suitable	4.7	4.3	4.5	4.7	4.5	4.5	4.2	4.7	3.8	4.5	4.5	4.5	
	(percent)												
Topsoil moisture													
Very short	1	1	1	4	0	0	1	8	14	3	5	0	
Short	7	4	6	22	12	3	5	29	26	12	19	4	
Adequate	85	87	90	70	84	89	78	53	56	78	72	79	
Surplus	7	8	3	4	4	8	16	10	4	7	4	17	
Subsoil moisture													
Very short	0	1	1	3	2	0	0	9	15	3	4	0	
Short	6	6	6	21	17	3	6	26	29	12	17	4	
Adequate	83	85	90	73	79	90	87	64	55	80	75	78	
Surplus	11	8	3	3	2	7	7	1	1	5	4	18	

IOWA PRELIMINARY WEATHER SUMMARY

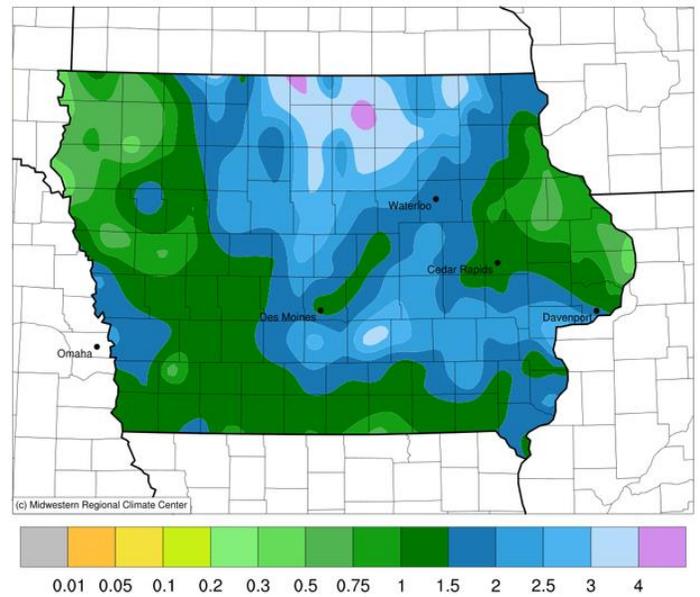
Provided by Harry J. Hillaker, State Climatologist
Iowa Department of Agriculture & Land Stewardship

The past reporting week began with very warm and humid conditions and widespread rain fall. Monday (11th) was the warmest day of the reporting week with daytime high temperatures in the upper eighties to mid-nineties. Thunderstorms were widespread from Monday (11th) evening through Tuesday (12th) morning with heaviest rainfall in the southwest where one to two inch amounts common. Thunderstorms were again widespread on Wednesday as a cold front moved across the state. The greatest rainfall on Wednesday was from Des Moines eastward along the I-80 corridor with amounts around an inch. Mostly dry weather, with much lower temperatures and humidity, prevailed from Thursday through Saturday (16th). Finally, much higher humidity moved back into Iowa Saturday night and Sunday (17th) with the moisture surge bringing rain statewide early Sunday (17th) morning with two to three inch rain totals common from the Iowa Great Lakes region eastward to the Mason City and Decorah areas. Rain totals for the week varied from only 0.10 inches at Rock Rapids to 4.38 inches near Storm Lake and 4.28 inches at Lake Mills. The statewide average precipitation was 1.65 inches or well above the weekly normal of 1.05 inches. Temperature extremes ranged from a Monday (11th) afternoon high of 94 degrees at Des Moines to a Saturday (16th) morning low of 49 degrees at Elkader. Temperatures for the week as a whole averaged 1.1 degrees below normal. Finally, each of the rain events this week brought severe weather to the state as well. Monday (11th) evening and night saw numerous reports of high winds, especially over west central Iowa. Wednesday (13th) saw several reports of large hail in northwestern and west central Iowa and numerous high wind reports along and near I-80 in central and east central Iowa. Finally, the most damaging weather of the week came with a derecho which entered the northwest corner of Iowa about 1 a.m. Sunday (17th) and finally exited the state in the Quad Cities area about five and one-half hours later.

Average Temperature (°F): Departure from 1981-2010 Normals
July 11, 2016 to July 17, 2016



Accumulated Precipitation (in)
July 11, 2016 to July 17, 2016



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