United States Department of Agriculture
National Agricultural Statistics Service

Iowa Crop Progress & Condition

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Cooperating with the Iowa Department of Agriculture and Land Stewardship

For the week ending July 16, 2017
Issued July 17, 2017
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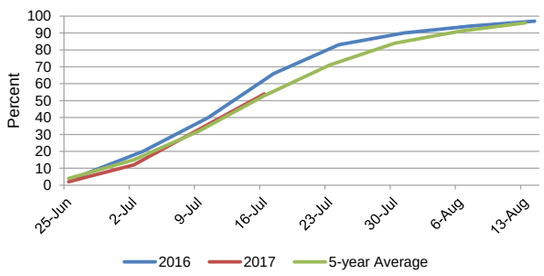
Hot, dry weather continued across the state with a few reports of notable precipitation during the week ending July 16, 2017, according to the USDA, National Agricultural Statistics Service. Statewide there were 5.8 **days suitable for fieldwork.** Activities for the week included hauling grain, applying herbicides, cultivating, and haying.

Topsoil moisture levels rated 18 percent very short, 33 percent short, 48 percent adequate and 1 percent surplus. Over 85 percent of south central and southeast Iowa's topsoil falls into the short to very short moisture level categories, while 90 percent of northeast Iowa's topsoil falls into the adequate to surplus categories. **Subsoil moisture** levels rated 13 percent very short, 29 percent short, 57 percent adequate and 1 percent surplus.

Thirty-seven percent of Iowa's **corn** crop has reached the silking stage, 5 days behind last year and 2 days behind the 5-year average. Corn conditions deteriorated slightly to 1 percent very poor, 5 percent poor, 23 percent fair, 58 percent good, and 13 percent excellent. A little over half of the **soybean** crop was blooming, with eleven percent of soybeans setting pods which is equal to the average. Soybean condition also fell to 2 percent very poor, 8 percent poor, 27 percent fair, 54 percent good, and 9 percent excellent. Virtually all the **oat** crop has headed with 79 percent turning color or beyond, 5 days behind last year. Eighteen percent of oats for grain or seed have been harvested, 6 days behind last year and average. Oat condition rated 72 percent good to excellent. Crops were described as suffering from heat stress and lack of moisture across much of the state.

The second cutting of **alfalfa hay** reached 76 percent complete, 8 days ahead of average. **Hay condition** rated 64 percent good to excellent. Scattered reports of third cutting of alfalfa were received. **Pasture condition** continued to decline with just 46 percent good to excellent. High temperatures and humidity were reported to cause heat stress to livestock.

Percent of Soybeans Blooming - Iowa
For the Third Week of July



Crop Condition as of July 16, 2017

Item	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Corn	1	5	23	58	13
Hay, all	2	7	27	52	12
Oats	0	2	26	59	13
Soybeans	2	8	27	54	9
Pasture and range	8	14	32	40	6

Field Work and Crop Progress as of July 16, 2017

Item	Districts									State	Last Week	Last Year	5-yr Avg
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Corn silking	32	36	20	45	46	31	46	46	42	37	7	62	45
Hay, alfalfa, second cutting	96	82	78	90	85	82	62	64	73	76	53	77	59
Oats coloring	86	78	67	87	87	75	91	89	80	79	50	89	78
Oats harvested	26	15	8	26	37	10	27	26	27	18	2	32	30
Soybeans blooming	77	64	44	59	55	45	40	38	33	54	33	62	53
Soybeans setting pods	9	7	9	13	15	9	17	20	5	11	5	18	11

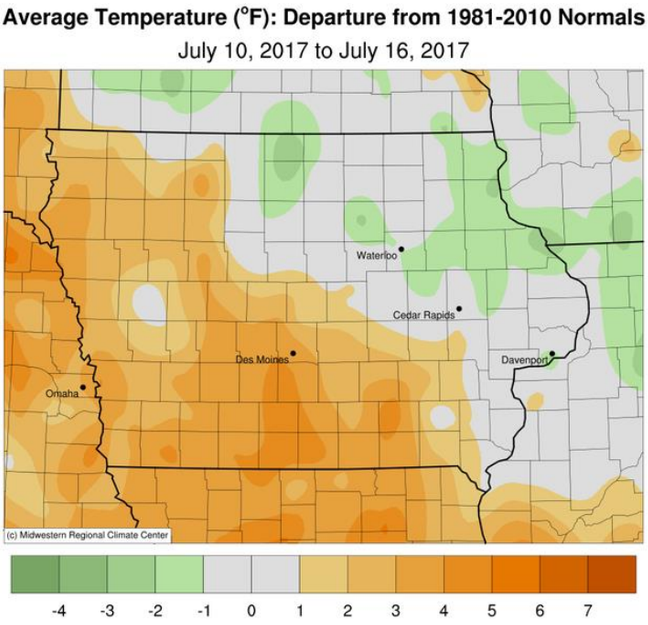
Days Suitable & Soil Moisture Condition as of July 16, 2017

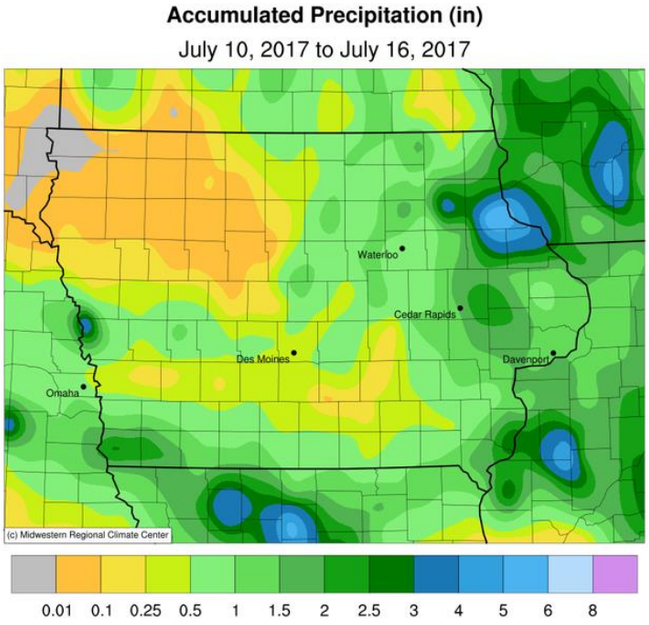
Item	Districts									State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)	(days)
Days suitable	7.0	6.2	4.1	6.3	6.2	4.6	5.3	6.6	5.5	5.8	6.3	4.5
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Topsoil moisture												
Very short	33	12	0	21	12	8	4	29	59	18	12	3
Short	43	24	10	43	50	23	14	59	27	33	28	12
Adequate	24	64	87	35	38	68	81	12	14	48	58	78
Surplus	0	0	3	1	0	1	1	0	0	1	2	7
Subsoil moisture												
Very short	19	8	1	10	9	13	4	35	40	13	7	3
Short	40	20	6	37	41	24	12	47	33	29	22	12
Adequate	41	72	90	53	49	61	81	18	27	57	69	80
Surplus	0	0	3	0	1	2	3	0	0	1	2	5

IOWA PRELIMINARY WEATHER SUMMARY

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

It was another week of mostly warmer than normal weather with highly variable rain totals. Hot and humid weather predominated from Sunday (9th) through Wednesday (12th) and again over the following weekend. Humidity and temperatures were somewhat lower on Thursday (13th) and Friday (14th). Temperature extremes varied from a Monday (10th) afternoon high of 98 degrees at Ottumwa (the highest official temperature thus far this summer in Iowa) to Friday (14th) morning lows of 49 degrees at Estherville and Swea City. Temperatures for the week as a whole averaged from one to two degrees below normal across the northeast one-third or so of Iowa to three to five degrees above normal over the southwest one-third with a statewide average of 1.5 degrees above normal. Just about all of the week's rain fell between early Monday (10th) morning and Thursday (13th) morning. Thunderstorms brought rain to about the northeast one-half of the state Monday (10th) morning with totals of one to two inches common along, and just east of, a Mason City-Iowa City-Burlington line. Thunderstorms brought scattered rainfall from west central, through central, to southeast Iowa on Tuesday (11th) morning with a few small areas seeing more than an inch of rain. A small area of thunderstorms developed across extreme northeast Iowa late Tuesday night into Wednesday morning with 6.35 inches of rain recorded at Garber with still greater unofficial amounts reported in far southeastern Clayton County resulting in significant flash flooding. Finally, rain fell over most of the southeast two-thirds of Iowa on Wednesday (12th) into Thursday (13th) morning with some locally heavy rains in far southwest and extreme southeast Iowa. Weekly rain totals varied from only sprinkles in extreme northwest Iowa to 7.03 inches at Garber. The statewide average rainfall was 0.86 inches while normal for the week is 1.05 inches. Rock Rapids has recorded only 0.01 inch of rain thus far in July while Keosauqua at the opposite end of the state has recorded only 3.50 inches of rain since May 11, 7.03 inches less than normal for the period.





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