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In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the week ending July 21, 2013

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Crops were beginning to need rain as dry weather continued the week ending July 21, 2013, according to the USDA, National Agricultural Statistics Service. It was the third week in a row with below average precipitation, which has caused soil moisture conditions to decline, and has led to crops needing additional moisture. Statewide there was an average of 6.7 days suitable for fieldwork.

Statewide, 43 percent of topsoil was in the adequate and surplus categories, a decline of 22 percentage points from the previous week. Topsoil moisture levels rated 14 percent very short, 43 percent short, 42 percent adequate and 1 percent surplus. A total of 66 percent of subsoil was in the adequate and surplus categories, down 18 percentage points from last week. Subsoil moisture levels rated 4 percent very short, 30 percent short, 63 percent adequate and 3 percent surplus.

Thirty-five percent of the corn crop has tasseled, well behind last year's 95 percent and the five-year average of 70 percent. Eighteen percent of the corn crop was silking, lagging behind last year's 87 percent and the normal 54 percent. Overall, the corn development was about 10 days behind normal. Corn condition was rated 4 percent very poor, 10 percent poor, 31 percent fair, 43 percent good and 12 percent excellent. Thirty-six percent of the soybean crop was blooming, behind last year's 83 percent and the five-year average of 70 percent. Scattered reports of soybeans setting pods were received. Soybeans condition was rated 3 percent very poor, 8 percent poor, 33 percent fair, 43 percent good and 13 percent excellent. Seventy-six percent of the oat crop has turned color, trailing the five-year average of 90 percent. Twenty-one percent of the oat crop has been harvested, behind both last year's 88 percent and the normal 39 percent. Oat condition was rated 0 percent very poor, 5 percent poor, 31 percent fair, 54 percent good and 10 percent excellent.

The 2nd cutting of alfalfa was 52 percent complete, behind the five-year average of 66 percent. Hay condition was rated at 1 percent very poor,

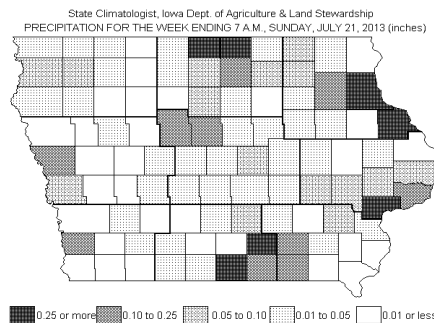
7 percent poor, 30 percent fair, 50 percent good and 12 percent excellent. Pasture condition continued to deteriorate and was rated 3 percent very poor, 11 percent poor, 35 percent fair, 41 percent good and 10 percent excellent.

IOWA PRELIMINARY WEATHER SUMMARY
Provided by Harry Hillaker, State Climatologist
Iowa Department of Agriculture & Land Stewardship

It was a very warm and dry week across Iowa. The hottest weather was from Tuesday (16th) through Friday (19th) with temperatures dropping to near normal over the weekend (20th-21st). Daytime highs were in the 80's on Sunday (14th), near 90 on Monday (15th) and in the low to mid 90's in most areas from Tuesday (16th) through Thursday (18th). A cool front kept highs in the mid 80's over the northwest on Friday but the south and east warmed into the mid to upper 90's. Highs over the weekend were back in the 80's. Temperature extremes for the week ranged from a Friday afternoon high of 98 degrees at Keokuk to Saturday morning lows of 53 degrees at Battle Creek and Sheldon. Temperatures for the week as a whole averaged 4.8 degrees above normal as Iowa experienced its hottest week since late July 2012. There were a few isolated showers over far northwest Iowa on Sunday (14th) morning and over the southeast on Monday (15th) morning. A few isolated showers also popped up over north central and south central areas on Wednesday (17th) while Tuesday and Thursday were dry statewide. Friday (18th) brought some morning showers over the northern one-third of the state while there were a few isolated thunderstorms over the south one-half Friday afternoon. Light rain fell over far northwest Iowa on Saturday (20th) morning with some isolated thunderstorms over the far northeast on Saturday afternoon. Some locally heavy rain fell over south central Iowa on Sunday (21st) but will be included in next week's report. Weekly rain totals varied from none over much of the state to a maximum reported total of 0.86 inches south of Elkader. The statewide average precipitation was only 0.06 inches while normal for the week is 1.01 inches.

Crop Conditions as of July 21, 2013

Item	Very Poor	Poor	Fair	Good	Excellent
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Corn	4	10	31	43	12
Soybeans	3	8	33	43	13
Oats	0	5	31	54	10
Hay, all	1	7	30	50	12
Pasture & Range	3	11	35	41	10



Field Work and Crop Progress as of July 21, 2013

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)	(Percent)
Corn tasseled	28	11	24	43	45	49	45	41	41	35	5	95	70	
Corn silked	10	5	8	21	24	33	27	27	16	18	1	87	54	
Soybeans bloomed	40	36	25	35	34	48	36	30	30	36	13	83	70	
Oats turned color	83	50	59	68	86	80	89	87	92	76	45	100	90	
Oats harvested for grain	8	3	6	16	28	30	42	48	25	21	4	88	39	
Hay, alfalfa - 2nd cutting	63	41	55	66	58	65	57	36	41	52	27	98	66	

Days Suitable & Soil Moisture Condition as of July 21, 2013

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)
Days suitable	6.7	6.9	6.5	6.8	6.8	6.6	6.6	6.8	6.7	6.7	6.5	6.8	
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	
Topsoil moisture													
Very short	13	7	5	20	15	14	23	16	13	14	5	72	
Short	40	28	24	59	58	36	46	49	42	43	30	24	
Adequate	46	63	67	21	27	50	31	35	45	42	61	4	
Surplus	1	2	4	0	0	0	0	0	0	1	4	0	
Subsoil moisture													
Very short	2	2	0	9	5	6	10	2	1	4	1	62	
Short	24	14	14	44	35	22	42	42	35	30	15	33	
Adequate	72	76	74	46	59	69	47	56	63	63	78	5	
Surplus	2	8	12	1	1	3	1	0	1	3	6	0	

Weather Summary For National Agricultural Statistics Service, Iowa Field Office.
For the week ending: 7:00 am Sunday, July 21, 2013, Prepared by AWIS, Inc.

Station	Current Week						Since April 1			
	Temperature				Precipitation		Precipitation		GDD Base 50F	
	High	Low	Avg.	DFN	Total	DFN	Total	DFN	Total	DFN
North West District										
Estherville	92	58	77	5	0.00	-0.77	12.99	0.41	1,396	86
Sioux Center	93	56	77	4	0.03	-0.74	19.24	6.42	1,549	-63
Spencer	95	56	78	5	0.08	-0.87	17.30	4.34	1,466	59
Spirit Lake	91	58	78	6	0.00	-0.84	11.26	-1.24	1,440	59
North Central District										
Britt	92	59	78	5	0.05	-0.93	20.50	6.40	1,363	1
Dakota City	94	59	79	5	0.00	-0.96	20.71	6.36	1,468	-18
Mason City	93	59	77	5	0.00	-0.98	22.82	8.28	1,410	32
Osage	92	64	78	6	0.06	-0.89	29.49	15.04	1,333	28
North East District										
Decorah	93	59	78	5	0.03	-0.88	29.94	15.66	1,461	62
Dubuque	91	59	78	6	0.69	-0.22	22.06	7.23	1,430	57
Elkader	92	57	77	5	0.86	-0.12	28.29	14.45	1,266	-76
Fayette	94	63	79	7	0.67	-0.37	26.10	11.35	1,379	138
Waterloo	96	57	80	7	0.02	-1.10	23.25	8.04	1,547	63
West Central District										
Carroll	96	58	78	5	0.00	-0.98	18.17	2.56	1,496	0
Castana	92	61	77	2	0.05	-0.65	17.02	3.35	1,456	-206
Guthrie Center	96	57	78	4	0.00	-0.77	23.73	8.88	1,514	-28
Harlan	93	61	77	3	0.04	-0.80	21.91	7.40	1,475	-5
Jefferson	93	59	77	3	0.00	-0.98	21.56	5.95	1,487	-25
Logan	93	60	78	2	0.00	-0.77	14.38	0.15	1,569	-48
Rockwell City	92	60	78	4	0.00	-0.98	21.32	6.92	1,449	-25
Sac City	92	56	76	3	0.10	-0.74	17.68	3.41	1,380	-9
Sioux City	93	56	78	3	0.00	-0.72	13.47	1.48	1,584	9
Central District										
Boone	94	57	78	5	0.01	-0.81	20.20	4.49	1,467	-30
Des Moines	96	65	83	6	0.01	-0.83	17.15	3.09	1,849	178
Grundy Center	93	60	79	7	0.00	-1.04	23.97	8.99	1,460	67
Marshalltown	94	58	79	6	0.02	-0.90	26.62	11.74	1,571	82
Newton	96	60	79	5	0.00	-0.84	21.19	6.58	1,536	-108
Perry	95	59	79	5	0.00	-0.82	20.59	5.82	1,546	50
Toledo	94	59	77	5	0.04	-0.94	25.68	10.49	1,422	28
East Central District										
Cedar Rapids	92	62	79	5	0.00	-0.91	23.32	9.03	1,589	29
Davenport	94	63	80	5	0.16	-0.68	20.17	6.24	1,674	-40
Iowa City	96	64	81	5	0.07	-1.05	21.55	5.92	1,695	-109
Lowden	95	59	79	6	0.16	-0.82	28.60	12.86	1,557	97
Maquoketa	94	61	78	6	0.00	-0.77	17.56	3.44	1,437	12
Muscatine	97	64	81	5	0.00	-0.98	21.96	7.11	1,656	-75
South West District										
Atlantic	92	57	76	2	0.00	-0.84	16.83	3.15	1,496	-80
Clarinda	93	62	77	1	0.00	-1.12	17.95	1.96	1,596	30
Glenwood	93	63	78	2	0.00	-0.84	17.21	2.19	1,574	-140
Red Oak	94	63	79	3	0.00	-0.98	19.22	3.04	1,649	7
Sidney	93	68	79	3	0.00	-1.11	15.51	0.63	1,675	-65
South Central District										
Allerton	93	63	79	3	0.09	-0.96	23.54	8.61	1,512	-60
Beaconsfield	92	63	79	4	0.03	-0.95	19.80	5.18	1,485	-36
Chariton	95	58	77	2	0.00	-0.99	19.90	4.36	1,460	-10
Indianola	94	59	79	4	0.00	-0.85	18.16	3.13	1,592	123
Lamoni	95	66	80	4	0.00	-0.98	17.75	2.84	1,692	67
South East District										
Bloomfield	96	68	82	7	0.20	-0.85	19.82	4.88	1,716	93
Burlington	95	67	82	7	0.00	-0.98	19.03	4.75	1,811	46
Ottumwa	97	63	81	5	0.16	-0.87	20.95	6.85	1,669	-95
Washington	95	64	80	4	0.16	-0.75	20.01	6.01	1,622	-51

⁰ Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2013: AWIS, Inc. All Rights Reserved.