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In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the week ending July 31, 2011

STILL HOT AND HUMID

While some areas along the Missouri River are seeing improvement in flooding with reduced water volume coming from upstream dams, the eastern part of Iowa saw flooding due to excessive rainfall. Major activities focused on fungicide applications to corn and pesticide applications to soybeans. Forage crops seem to be having the hardest time with the heat and humidity slowing re-growth.

There were 5.8 days suitable for fieldwork statewide during the week. Northeast Iowa trailed the rest of the state with only 4.6 days suitable as a result of substantial rainfall received on Thursday. Topsoil moisture levels rated 7 percent very short, 23 percent short, 65 percent adequate, and 5 percent surplus. Subsoil moisture rated 4 percent very short, 18 percent short, 74 percent adequate, and 4 percent surplus.

Ninety-seven percent of the corn crop is now tasseling, equal to last year but ahead of the average 93 percent. Ninety percent of the corn crop is silking, behind the 93 percent in 2010 but ahead of the five-year average of 83 percent. Thirty-five percent of the corn crop has reached the milk stage, behind last year's 49 percent and just behind the normal 36 percent. Four percent of the corn crop has reached dough stage and a few fields have reached dent stage. Corn condition is reported at 2 percent very poor, 5 percent poor, 18 percent fair, 50 percent good, and 25 percent excellent; a slight decline from last week. Ninety-one percent of the soybean crop is blooming, slightly ahead of the previous year's 90 percent and the five-year average of 88 percent. Pods are being set on half of the soybean crop compared with 60 percent last year at this time and the average 57 percent. Soybean condition is reported at 2 percent very poor, 3 percent poor, 19 percent fair, 52 percent good and 24 percent excellent. Three-quarters of the oat crop has been harvested, behind last year's 79 percent but ahead of the normal 65 percent. Oat condition stands at 1 percent very poor, 4 percent poor, 25 percent fair, 56 percent good, and 14 percent excellent. Second cutting alfalfa hay harvest, at 86 percent complete, is ahead of last year's 80 percent and the normal 82 percent. Third cutting alfalfa hay harvest advanced to 8 percent complete, behind both last year and normal. The condition of the hay crop is reported at 3 percent very poor, 11 percent poor, 31 percent fair, 45 percent good, and 10 percent excellent.

Pasture and range condition deteriorated to 4 percent very poor, 14 percent poor, 31 percent fair, 43 percent good, and 8 percent excellent. Along with livestock losses, slow weight gain and lower milk production are being reported as a result of the hot and humid weather.

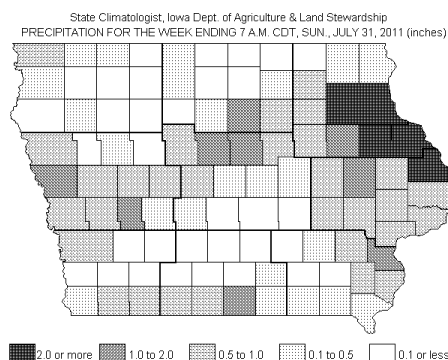
IOWA PRELIMINARY WEATHER SUMMARY

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

Iowa endured another hot and humid week, although not quite as hot as the previous week. Temperatures were above normal every day with warmest days on Tuesday (26th), Wednesday (27th) and Sunday (31st) when most locations saw highs in the 90s. Highest temperatures were reported on Wednesday with Albia, Keosauqua, Knoxville, Lamoni and Osceola all reporting 100 degrees. Heat indices were also highest on Wednesday with official readings up to 110 degrees at Iowa City and unofficial readings to 126. A cool front occasionally pushed into northern Iowa allowing temperatures to briefly fall as low as 52 degrees at Mason City on Monday (25th). Temperatures for the week as a whole averaged 5.4 degrees above normal. A few isolated showers dampened northeast Iowa on Monday while showers and thunderstorms brought mostly light rain to far western and far eastern parts of Iowa on Tuesday night into Wednesday morning. Thunderstorms brought widespread rain to northeast Iowa and scattered rain elsewhere on Wednesday night into Thursday morning. Record rains fell over Dubuque County and into Jo Daviess County in Illinois with the Wednesday night storms. The Dubuque Airport reported a 24-hour total of 10.62 inches while unofficial amounts of up to 14.5 inches were reported. The remainder of the week was dry with the exception of a few scattered storms over far southern Iowa on Friday and Saturday. No measurable rain was reported from parts of central Iowa during the week at locations such as Dakota City, Des Moines, Greenfield and Osceola while the Dubuque Airport easily had the highest official total with 10.74 inches. The statewide average precipitation was 0.58 inches while normal for the week is 0.94 inches. Preliminary data indicates that July 2011 was Iowa's warmest month since August 1983 and the warmest July since 1955. Very dry conditions have rapidly developed over portions of southern and west central Iowa over the past few weeks.

Crop Conditions as of July 31, 2011

Item	Very Poor	Poor	Fair	Good	Excellent
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Corn	2	5	18	50	25
Soybeans	2	3	19	52	24
Oats	1	4	25	56	14
Hay, all	3	11	31	45	10
Range & Pasture	4	14	31	43	8



Field Work and Crop Progress as of July 31, 2011

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	97	99	94	99	97	94	98	95	97	97	90	97	93	
Corn silked	91	89	79	96	95	85	93	87	92	90	75	93	83	
Corn in or past milk stage	40	28	25	33	46	34	34	35	36	35	7	49	36	
Soybeans bloomed	93	94	86	96	95	80	91	72	92	91	79	90	88	
Soybeans setting pods	50	52	41	57	64	44	43	40	43	50	24	60	57	
Oats turned color	99	95	99	99	99	99	99	99	96	99	93	99	98	
Oats harvested for grain	85	60	70	78	86	70	79	79	90	75	43	79	65	
Hay, alfalfa - second crop harvested	96	87	91	97	86	92	99	70	77	86	79	80	82	
Hay, alfalfa - third crop harvested	18	7	9	6	9	9	7	5	6	8	2	14	10	

Days Suitable & Soil Moisture Condition as of July 31, 2011

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	6.6	6.0	4.6	5.3	5.6	5.0	6.0	6.8	6.6	5.8	5.5	3.9	
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	
Topsoil moisture													
Very short	1	2	3	1	5	0	14	29	26	7	4	0	
Short	31	18	9	16	20	9	27	54	37	23	20	1	
Adequate	67	78	74	80	66	83	56	17	37	65	72	58	
Surplus	1	2	14	3	9	8	3	0	0	5	4	41	
Subsoil moisture													
Very short	0	2	4	1	5	0	10	8	9	4	1	0	
Short	19	17	14	13	18	9	13	44	25	18	13	0	
Adequate	74	79	73	82	75	85	73	48	65	74	79	53	
Surplus	7	2	9	4	2	6	4	0	1	4	7	47	

Weather Summary For National Agricultural Statistics Service, Iowa Field Office.
For the week ending: 7:00 am Sunday, July 31, 2011, Prepared by AWIS, Inc.

STATION	CURRENT WEEK						SINCE APRIL 1		CURRENT WEEK	
	TEMPERATURE				PRECIPITATION		PRECIPITATION		GDD BASE 50F	
	HI	LO	AVG	DFN	TOTAL	DFN	TOTAL	DFN	TOTAL	DFN
North West District										
Estherville	88	55	76	5	0.00	-0.77	17.72	4.04	187	37
Sioux Center	92	59	78	5	0.06	-0.64	14.30	0.45	199	31
Spencer	91	58	78	6	0.04	-0.87	19.23	4.97	196	35
Spirit Lake	92	63	79	7	0.08	-0.69	21.40	7.77	203	45
North Central District										
Britt	87	56	76	3	0.05	-0.84	17.53	2.14	182	34
Dakota City	91	60	78	5	0.00	-0.91	16.23	0.58	196	35
Mason City	90	52	77	5	0.01	-0.90	13.82	-2.03	190	35
Osage	87	58	75	3	0.02	-0.96	20.12	4.27	177	23
North East District										
Decorah	90	57	76	3	0.36	-0.48	16.00	0.50	181	20
Dubuque	87	63	76	5	10.74	9.83	26.41	10.28	185	29
Elkader	88	59	75	4	1.65	0.67	15.86	0.62	178	24
Fayette	88	60	75	3	4.76	3.78	18.60	2.45	179	32
Waterloo	90	58	78	5	0.55	-0.47	14.30	-2.38	196	30
West Central District										
Carroll	91	66	78	4	1.19	0.28	16.44	-0.47	194	23
Castana	88	67	77	4	0.38	-0.32	17.30	2.63	193	17
Guthrie Center	93	65	79	5	0.35	-0.47	19.42	3.42	205	32
Harlan	91	67	78	4	0.77	0.00	19.87	4.26	200	32
Jefferson	88	67	77	4	0.67	-0.24	15.40	-1.51	191	19
Logan	92	68	80	5	0.69	-0.08	20.55	5.22	210	33
Rockwell City	89	66	78	4	0.19	-0.73	14.25	-1.49	195	28
Sac City	89	65	77	4	0.20	-0.60	13.43	-1.98	190	29
Sioux City	93	68	81	6	0.05	-0.65	16.91	3.92	218	44
Central District										
Boone	90	67	78	5	0.69	-0.13	17.86	1.00	197	29
Des Moines	97	71	83	7	0.25	-0.59	23.02	7.76	233	50
Grundy Center	91	62	77	6	0.46	-0.50	16.94	0.58	193	32
Marshalltown	91	64	79	6	0.70	-0.28	16.89	0.61	203	35
Newton	96	67	80	6	0.00	-0.84	17.28	1.47	212	30
Perry	93	68	80	7	0.44	-0.39	20.48	4.55	210	42
Toledo	90	64	78	5	0.41	-0.60	13.12	-3.50	195	34
East Central District										
Cedar Rapids	90	66	78	5	1.24	0.36	16.29	0.73	198	29
Davenport	92	67	79	5	0.47	-0.44	16.38	1.18	207	21
Iowa City	94	69	81	5	0.12	-0.95	18.96	1.78	216	27
Lowden	93	65	78	6	0.33	-0.65	18.60	1.46	200	39
Maquoketa	90	65	77	4	1.06	0.23	17.18	1.90	189	28
Muscatine	94	68	80	6	0.70	-0.25	18.73	2.51	214	32
South West District										
Atlantic	92	65	79	6	0.08	-0.71	14.93	0.10	206	37
Clarinda	96	70	81	7	1.50	0.43	20.44	2.90	220	47
Glenwood	95	70	80	5	0.00	-0.84	17.56	1.34	213	31
Red Oak	96	70	81	5	0.14	-0.77	19.71	2.23	220	42
Sidney	96	71	81	5	0.13	-0.92	12.22	-4.16	219	35
South Central District										
Allerton	98	68	81	7	1.64	0.66	20.77	4.43	222	47
Beaconsfield	95	69	81	7	0.32	-0.59	19.25	3.30	217	41
Chariton	96	66	81	7	0.03	-0.88	22.99	6.12	219	44
Indianola	95	66	80	5	0.08	-0.76	26.36	10.13	210	41
Leon	98	64	81	7	0.33	-0.58	18.37	2.00	221	46
South East District										
Bloomfield	99	70	84	9	0.21	-0.80	26.69	10.29	237	55
Burlington	94	71	82	7	0.85	-0.06	21.70	6.12	225	41
Ottumwa	96	67	81	6	0.07	-0.89	19.30	3.82	222	34
Washington	95	68	82	6	0.28	-0.60	19.56	4.29	226	44

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 2011: AWIS, Inc. All Rights Reserved.