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In Cooperation with the Iowa Department of Agriculture and Land Stewardship

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For the week ending July 24, 2011

HOT AND HUMID

Last week's high heat and humidity were concerns, but adequate moisture levels helped crops come through the extremes without substantial stress. Insect populations in soybean fields appear to be on the rise with many fields being treated. Flooded acreage along the Missouri River appears to be stabilizing in many areas; however, as levee breaches widen, some areas are seeing additional acres flooded.

There were 5.5 days suitable for fieldwork statewide during the past week. The southern third of the State enjoyed 6.0 or more days suitable. Topsoil moisture levels rated 4 percent very short, 20 percent short, 72 percent adequate, and 4 percent surplus. Subsoil moisture rated 1 percent very short, 13 percent short, 79 percent adequate, and 7 percent surplus.

Ninety percent of the corn crop is now tasseling, behind last year's 92 percent, but ahead of the average 80 percent. Three-quarters of the corn crop is silking, which remains behind the 82 percent in 2010 but is ahead of the five-year average of 65 percent. Seven percent of the corn crop has reached the milk stage and 1 percent has reached the dough stage. Corn condition is reported at 1 percent very poor, 3 percent poor, 16 percent fair, 52 percent good, and 28 percent excellent; unchanged at the State level from last week. Seventy-nine percent of the soybean crop is blooming, marginally behind the previous year's 80 percent but slightly ahead of the five-year average of 78 percent. Pods are being set on 24 percent of the soybean crop compared with 40 percent last year at this time and the average 36 percent. Soybean condition is reported at 1 percent very poor, 3 percent poor, 16 percent fair, 53 percent good and 27 percent excellent. Ninety-three percent of the oat crop has turned color, slightly behind the 96 percent in 2010 and the average 94 percent. Forty-three percent of the oat crop has been harvested, behind last year's 54 percent but ahead of the normal 38 percent. Oat condition stands at 1 percent very poor, 3 percent poor, 21 percent fair, 60 percent good, and 15 percent excellent. Second cutting alfalfa hay harvest, at 79 percent complete, is ahead of last year's 68 percent and the normal 70 percent. Third cutting alfalfa hay harvest has

begun. The condition of the hay crop is reported at 2 percent very poor, 7 percent poor, 29 percent fair, 50 percent good, and 12 percent excellent.

Pasture and range condition deteriorated to 2 percent very poor, 8 percent poor, 29 percent fair, 50 percent good, and 11 percent excellent. Livestock deaths were reported as last week's excessive heat took a toll. Pasture growth slowed as the heat persisted.

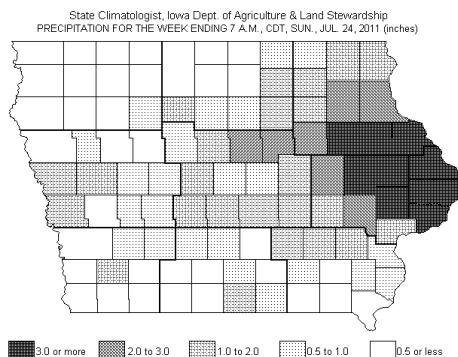
IOWA PRELIMINARY WEATHER SUMMARY

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

Iowa endured a very hot and humid week. The hottest weather prevailed from Sunday (17th) through Wednesday (20th) with temperatures averaging more than ten degrees above normal. Temperatures and humidity declined slightly for the remainder of the week but were still well above normal. Keosauqua reported daily high temperatures of 98 degrees or higher every day of the week, topping out at 102 degrees on Monday (18th). The heat index officially climbed above 110 degrees in some areas on every day except Thursday (21st) and Sunday (24th) with a maximum reading of 117 at Spencer on Monday. Unofficial heat indices soared as high as 130 degrees. On the other extreme Sibley reported the lowest temperature of the week with a Thursday morning low of 62 degrees. Temperatures for the week as a whole averaged 8.9 degrees above normal. Meanwhile dry weather prevailed statewide through Wednesday. Much needed rain fell nearly statewide from Thursday evening into Friday morning and over much of the eastern two-thirds of Iowa on Friday evening into Saturday morning. Finally, rain again fell over much of eastern Iowa on Sunday (24th) morning. Rain amounts were highly variable with very little over the northwest and far southern Iowa while heavy rain fell over much of east central Iowa, which had been the driest portion of the state in recent months. Weekly rain totals varied from none at Rock Valley, Sheldon and Keosauqua to 6.07 inches near Stanley in northern Buchanan County and 5.92 inches at De Witt. The statewide average precipitation was 1.17 inches while normal for the week is 0.94 inch.

Crop Conditions as of July 24, 2011

Item	Very Poor (Percent)	Poor (Percent)	Fair (Percent)	Good (Percent)	Excellent (Percent)
Corn	1	3	16	52	28
Soybeans	1	3	16	53	27
Oats	1	3	21	60	15
Hay, all	2	7	29	50	12
Range & Pasture	2	8	29	50	11



Field Work and Crop Progress as of July 24, 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)
Corn tasseled	91	91	85	95	93	84	89	85	91	90	56	92	80
Corn silked	79	73	65	82	78	68	82	70	76	75	32	82	65
Corn in or past milk stage	6	9	5	7	8	8	7	7	9	7	NA	19	15
Soybeans bloomed	86	84	68	86	81	73	76	59	80	79	61	80	78
Soybeans setting pods	24	23	24	35	32	22	18	10	12	24	6	40	36
Oats turned color	88	83	93	93	99	93	93	94	91	93	80	96	94
Oats harvested for grain	47	23	34	53	56	41	37	53	68	43	21	54	38
Hay, alfalfa - second crop harvested	92	70	84	90	82	89	83	63	67	79	67	68	70

Days Suitable & Soil Moisture Condition as of July 24, 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 suitable	5.8	5.6	4.8	5.2	4.9	5.5	6.0	6.2	6.4	5.5	5.3	3.2
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Topsoil moisture												
Very short	0	0	2	0	3	1	10	11	13	4	3	0
Short	13	11	26	14	15	11	16	58	33	20	20	0
Adequate	83	85	67	81	76	78	70	30	53	72	70	57
Surplus	4	4	5	5	6	10	4	1	1	4	7	43
Subsoil moisture												
Very short	0	0	3	0	2	1	2	1	2	1	2	0
Short	3	5	20	10	13	12	20	35	14	13	10	0
Adequate	81	88	73	86	78	79	73	63	80	79	78	52
Surplus	16	7	4	4	7	8	5	1	4	7	10	48

Weather Summary For National Agricultural Statistics Service, Iowa Field Office.
For the week ending: 7:00 am Sunday, July 24, 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	94	65	80	9	0.01	-0.76	17.72	4.81	214	60
Sioux Center	96	65	82	9	0.10	-0.67	14.24	1.09	226	58
Spencer	95	67	82	9	0.03	-0.89	19.19	5.84	226	65
Spirit Lake	97	68	82	9	0.00	-0.84	21.32	8.46	224	63
North Central District										
Britt	95	67	80	8	0.12	-0.84	17.48	2.98	212	58
Dakota City	95	67	81	8	1.20	0.27	16.23	1.49	220	59
Mason City	96	66	81	9	0.12	-0.84	13.81	-1.13	218	57
Osage	95	68	81	8	1.30	0.35	20.10	5.23	216	62
North East District										
Decorah	96	67	82	9	1.04	0.14	15.84	1.18	225	64
Dubuque	97	67	82	9	4.08	3.17	15.67	0.45	222	61
Elkader	97	66	81	9	2.32	1.34	14.21	-0.05	217	61
Fayette	97	67	81	9	1.78	0.77	13.84	-1.33	220	73
Waterloo	98	69	83	10	1.46	0.37	13.75	-1.91	231	63
West Central District										
Carroll	96	66	81	8	0.84	-0.11	15.25	-0.75	222	47
Castana	93	65	81	6	1.52	0.82	16.92	2.95	216	34
Guthrie Center	97	69	83	9	0.34	-0.43	19.07	3.89	231	56
Harlan	94	67	81	7	0.42	-0.39	19.10	4.26	222	54
Jefferson	93	66	80	6	1.03	0.08	14.73	-1.27	213	38
Logan	96	68	82	6	0.34	-0.43	19.86	5.30	223	41
Rockwell City	94	66	81	7	0.23	-0.75	14.06	-0.76	221	53
Sac City	94	64	80	7	0.55	-0.27	13.23	-1.38	215	48
Sioux City	99	69	84	9	0.25	-0.45	16.86	4.57	240	65
Central District										
Boone	96	66	81	7	1.37	0.58	17.17	1.13	218	48
Des Moines	99	75	87	11	0.54	-0.30	22.77	8.35	258	70
Grundy Center	96	67	82	10	1.78	0.77	16.48	1.08	223	62
Marshalltown	95	70	82	9	1.32	0.38	16.19	0.89	227	59
Newton	99	72	84	9	0.87	0.03	17.28	2.31	239	57
Perry	97	68	83	9	1.51	0.72	20.04	4.94	236	68
Toledo	98	70	83	10	1.29	0.31	12.71	-2.90	231	70
East Central District										
Cedar Rapids	98	70	82	9	2.59	1.68	15.05	0.37	228	53
Davenport	97	71	84	9	3.13	2.29	15.91	1.62	241	52
Iowa City	98	72	84	8	3.27	2.15	18.84	2.73	241	52
Lowden	99	68	83	10	3.28	2.30	18.27	2.11	233	72
Maquoketa	97	66	81	8	3.40	2.63	16.12	1.67	216	55
Muscatine	98	69	84	8	2.83	1.85	18.03	2.76	239	56
South West District										
Atlantic	95	68	83	9	0.81	-0.03	15.24	1.20	233	58
Clarinda	96	72	84	8	0.21	-0.91	18.94	2.47	238	63
Glenwood	98	70	85	9	0.03	-0.81	17.56	2.18	248	59
Red Oak	96	72	85	8	1.38	0.43	19.57	3.00	245	63
Sidney	97	73	85	8	0.17	-0.91	12.09	-3.24	246	57
South Central District										
Allerton	98	73	86	10	0.06	-0.97	19.13	3.77	252	71
Beaconsfield	95	72	84	9	0.32	-0.66	18.93	3.89	236	60
Chariton	97	70	85	10	2.49	1.51	22.96	7.00	248	73
Indianola	98	72	84	10	1.02	0.18	26.28	10.89	242	72
Leon	97	72	84	8	0.10	-0.81	18.04	2.58	241	66
South East District										
Bloomfield	101	75	88	12	0.01	-1.04	26.48	11.09	267	85
Burlington	97	73	85	10	1.35	0.40	20.85	6.18	246	57
Ottumwa	98	73	85	8	0.53	-0.47	19.23	4.71	246	57
Washington	100	71	84	8	2.04	1.13	19.28	4.89	242	60

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.