

Iowa Crops & Weather



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Iowa Field Office

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RESOUNDING CALL FOR RAIN

Agricultural Summary: As Iowa's summer heat continues, crops are showing signs of stress from high temperatures and low moisture. Corn leaves are curling from lack of moisture as few areas of the State received significant rainfall recently. Conditions were suitable for alfalfa harvest and spraying of herbicides and fungicides.

There were 6.6 days suitable for fieldwork, compared to 5.7 days last year at this time. Topsoil moisture rated 28 percent very short, 42 percent short, 30 percent adequate, and zero percent surplus across the State. Subsoil moisture rated 11 percent very short, 32 percent short, 56 percent adequate, and 1 percent surplus.

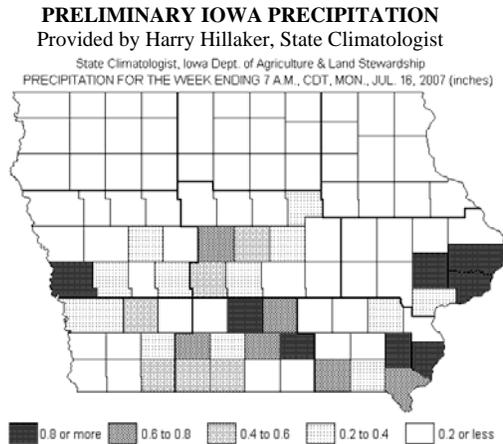
Field Crops Report: Oats turning color are at 89 percent, 5 percentage points behind last year's 94 percent and equal to the five-year average. Oats harvested for grain are at 12 percent, slightly behind last year and 4 percentage points behind the five-year average. The condition of the oat crop decreased from last week to 1 percent very poor, 4 percent poor, 32 percent fair, 53 percent good, and 10 percent excellent. Corn tasseled, at 70 percent, is 6 percentage points ahead of last year's 64 percent and 5 days ahead of the five-year average of 45 percent. Corn silked, at 47 percent, is 1 day ahead of last year and 4 days ahead of normal. Corn in milk stage is at 6 percent, 2 days ahead of last year and 4 days ahead of the five-year average. Corn condition is rated at 3 percent very poor, 7 percent poor, 27 percent fair, 48 percent good, and 15 percent excellent. Soybeans blooming are at 69 percent, slightly ahead of last year's 67 percent and the five-year average of 62 percent. Seventeen percent of soybeans are setting pods, 2 percentage points above last year and 5 percentage points above the five-year average. Soybean condition is 2 percent very poor, 6 percent poor, 27 percent fair, 54 percent good, and 11 percent excellent. Fifty-eight percent of the second cutting of alfalfa hay is complete, behind last year's 77 percent and the five-year average of 60 percent. All hay condition is 4 percent very poor, 15 percent poor, 39 percent fair, 37 percent good, and 5 percent excellent.

Livestock and Pasture Report: Pasture condition rated 4 percent very poor, 19 percent poor, 40 percent fair, 33 percent good, and 4 percent excellent. Pastures are having a hard time keeping up with grazing. Livestock are also showing signs of stress due to heat. Fly populations continue to pester livestock.

IOWA PRELIMINARY WEATHER SUMMARY Provided by State Climatologist Harry Hillaker

The past work week began with warm and humid weather on Monday (9th) with highs in the mid 80's northwest to low 90's southeast. Much cooler weather was the rule for most of the remainder of the week. Daytime highs were mostly in the mid 70's to mid 80's from Tuesday (10th) through Friday (13th) with overnight lows in the upper 40's to lower 60's. Temperatures were slightly higher over the weekend with highs in the mid 80's northeast to mid 90's southwest on Saturday (14th) and mostly in the 80's on Sunday (15th) with overnight lows in the mid 50's to mid 60's. Temperatures for the week as a whole averaged 3.0 degrees below normal. Extremes ranged from Friday (13th) morning lows of 46 degrees at Belle Plaine, Cresco, Elkader, Fort Dodge, Sioux Center and Spencer to Saturday (14th) afternoon highs of 95 degrees at Bedford and Shenandoah. Thunderstorms were scattered across the southeast one-half of the state on Monday (9th) with locally heavy rain in extreme eastern Iowa. Tuesday (10th) brought scattered storms to extreme eastern and southeast Iowa. On Thursday (12th) there were scattered thunderstorms bringing light to moderate rain to parts of the southwest one-quarter of Iowa. Finally, there were isolated thunderstorms across the state early Monday (16th) with moderate rains in a few areas of west central, central and south central Iowa. There was no rain recorded during the past week over much of northern Iowa while for the third consecutive week De Witt reported the most rainfall in the state with 4.96 inches. The statewide average precipitation was 0.22 inches or one-fifth of the weekly normal of 1.10 inches.

| Item | Very Poor | Poor | Fair | Good | Excellent |
|-----------------|-----------|---------|---------|---------|-----------|
| | Percent | Percent | Percent | Percent | Percent |
| Corn | 3 | 7 | 27 | 48 | 15 |
| Hay, all | 4 | 15 | 39 | 37 | 5 |
| Oats | 1 | 4 | 32 | 53 | 10 |
| Range & Pasture | 4 | 19 | 40 | 33 | 4 |
| Soybeans | 2 | 6 | 27 | 54 | 11 |



| Item | Districts | | | | | | | | | | State | Last Week | Last Year | Normal |
|--------------------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|----|-------|-----------|-----------|--------|
| | NW | NC | NE | WC | C | EC | SW | SC | SE | | | | | |
| | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | | | | | |
| Corn tasseled | 75 | 79 | 68 | 71 | 69 | 66 | 65 | 53 | 62 | 70 | 37 | 64 | 45 | |
| Corn silked | 50 | 44 | 50 | 48 | 52 | 40 | 49 | 31 | 39 | 47 | 18 | 41 | 27 | |
| Soybeans blooming | 72 | 82 | 78 | 67 | 71 | 63 | 62 | 53 | 52 | 69 | 52 | 67 | 62 | |
| Soybeans setting pods | 16 | 24 | 30 | 14 | 17 | 10 | 11 | 18 | 19 | 17 | 8 | 15 | 12 | |
| Oats turning color | 90 | 87 | 89 | 88 | 90 | 94 | 95 | 85 | 82 | 89 | 64 | 94 | 89 | |
| Oats harvested for grain | 17 | 17 | 7 | 25 | 6 | 11 | 18 | 19 | 8 | 12 | 3 | 13 | 16 | |
| Hay, alfalfa - second crop harvested | 85 | 77 | 65 | 73 | 70 | 56 | 63 | 53 | 53 | 58 | 29 | 77 | 60 | |

| 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 suitable | 6.8 | 6.1 | 6.7 | 6.9 | 6.9 | 6.1 | 6.4 | 6.8 | 6.4 | 6.6 | 6.5 | 5.7 | |
| | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | |
| Topsoil moisture | | | | | | | | | | | | | |
| Very short | 55 | 28 | 17 | 52 | 31 | 5 | 25 | 15 | 11 | 28 | 15 | 31 | |
| Short | 33 | 40 | 59 | 34 | 48 | 19 | 54 | 53 | 36 | 42 | 39 | 34 | |
| Adequate | 12 | 32 | 23 | 14 | 20 | 76 | 20 | 32 | 52 | 30 | 44 | 34 | |
| Surplus | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 1 | |
| Subsoil moisture | | | | | | | | | | | | | |
| Very short | 14 | 10 | 9 | 30 | 8 | 0 | 17 | 3 | 0 | 11 | 7 | 27 | |
| Short | 53 | 35 | 42 | 33 | 28 | 7 | 30 | 24 | 32 | 32 | 22 | 37 | |
| Adequate | 32 | 55 | 49 | 36 | 62 | 90 | 52 | 72 | 67 | 56 | 68 | 35 | |
| Surplus | 1 | 0 | 0 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | |

**Weather Summary For Iowa Agricultural Statistics Service
Prepared by AWIS, Inc.
For the week ending: Sunday, July 15, 2007**

| 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 | 93 | 48 | 69 | -3 | 0.00 | -0.77 | 7.32 | -4.60 | 136 | -18 |
| Sioux Center | 97 | 46 | 71 | -4 | 0.00 | -0.81 | 8.37 | -3.79 | 149 | -19 |
| Spencer | 93 | 46 | 69 | -5 | 0.00 | -0.96 | 8.28 | -3.87 | 135 | -26 |
| Spirit Lake | 84 | 52 | 70 | -4 | 0.00 | -0.85 | 10.40 | -1.38 | 138 | -39 |
| North Central District | | | | | | | | | | |
| Britt | 94 | 52 | 70 | -4 | 0.39 | -0.63 | 12.67 | -0.59 | 139 | -22 |
| Humboldt | 92 | 55 | 70 | -5 | 0.09 | -0.89 | 11.93 | -1.60 | 141 | -27 |
| Mason City | 97 | 49 | 70 | -3 | 0.72 | -0.26 | 13.92 | 0.22 | 144 | -14 |
| Osage | 94 | 52 | 69 | -4 | 0.35 | -0.63 | 11.37 | -2.27 | 138 | -37 |
| North East District | | | | | | | | | | |
| Decorah | 93 | 49 | 70 | -4 | 0.00 | -0.91 | 13.19 | -0.31 | 138 | -23 |
| Dubuque | 90 | 49 | 70 | -3 | 0.02 | -0.88 | 12.00 | -2.05 | 141 | -13 |
| Elkader | 93 | 46 | 69 | -4 | 0.00 | -0.93 | 15.77 | 2.77 | 136 | -46 |
| Fayette | 93 | 51 | 71 | -3 | 0.00 | -1.03 | 15.31 | 1.45 | 146 | -12 |
| Waterloo | 95 | 51 | 72 | -2 | 0.04 | -1.08 | 14.37 | 0.12 | 155 | -6 |
| West Central District | | | | | | | | | | |
| Carroll | 95 | 50 | 72 | -3 | 0.01 | -1.00 | 15.18 | 0.41 | 153 | -15 |
| Castana | 95 | 55 | 72 | -3 | 0.24 | -0.50 | 14.69 | 1.62 | 159 | -2 |
| Guthrie Center | 94 | 48 | 71 | -4 | 0.73 | -0.10 | 24.82 | 10.63 | 151 | -21 |
| Harlan | 93 | 50 | 71 | -5 | 0.12 | -0.75 | 15.29 | 1.50 | 151 | -17 |
| Jefferson | 95 | 53 | 73 | -2 | 0.01 | -1.00 | 16.92 | 2.15 | 163 | -5 |
| Logan | 95 | 53 | 73 | -4 | 0.42 | -0.40 | 16.38 | 2.81 | 162 | -20 |
| Rockwell City | 95 | 52 | 71 | -4 | 0.36 | -0.64 | 15.32 | 1.76 | 150 | -24 |
| Sac City | 95 | 51 | 71 | -3 | 0.46 | -0.39 | 15.06 | 1.51 | 151 | -17 |
| Sioux City | 98 | 50 | 73 | -4 | 0.00 | -0.77 | 14.70 | 3.32 | 161 | -20 |
| Central District | | | | | | | | | | |
| Boone | 94 | 50 | 70 | -4 | 0.65 | -0.22 | 16.46 | 1.45 | 145 | -23 |
| Des Moines | 95 | 58 | 75 | -2 | 0.00 | -0.84 | 14.21 | 0.87 | 179 | -8 |
| Grundy Center | 93 | 52 | 70 | -3 | 0.00 | -1.05 | 16.64 | 2.55 | 144 | -10 |
| Marshalltown | 93 | 49 | 71 | -3 | 0.00 | -0.98 | 12.40 | -1.70 | 148 | -16 |
| Newton | 95 | 56 | 73 | -3 | 0.00 | -0.85 | 11.43 | -2.46 | 165 | -10 |
| Perry | 95 | 51 | 72 | -3 | 0.74 | -0.11 | 19.12 | 5.05 | 152 | -16 |
| Toledo | 92 | 52 | 71 | -3 | 0.00 | -0.98 | 12.40 | -1.95 | 149 | -12 |
| East Central District | | | | | | | | | | |
| Cedar Rapids | 90 | 50 | 71 | -5 | 0.01 | -0.92 | 13.37 | -0.14 | 147 | -22 |
| Davenport | 91 | 52 | 72 | -4 | 2.47 | 1.59 | 17.32 | 4.11 | 154 | -23 |
| Iowa City | 93 | 55 | 74 | -4 | 0.00 | -1.12 | 11.80 | -2.87 | 167 | -16 |
| Lowden | 92 | 49 | 70 | -4 | 0.61 | -0.40 | 15.80 | 0.90 | 145 | -23 |
| Maquoketa | 90 | 50 | 70 | -4 | 0.00 | -0.81 | 17.23 | 3.77 | 140 | -21 |
| Muscatine | 92 | 56 | 74 | -2 | 0.10 | -0.93 | 15.14 | 1.13 | 169 | 14 |
| South West District | | | | | | | | | | |
| Atlantic | 91 | 50 | 73 | -2 | 0.20 | -0.68 | 17.77 | 4.81 | 160 | -9 |
| Clarinda | 93 | 53 | 73 | -4 | 0.13 | -0.99 | 17.18 | 2.15 | 163 | -19 |
| Glenwood | 92 | 55 | 74 | -3 | 0.08 | -0.79 | 17.43 | 3.13 | 168 | -14 |
| Red Oak | 94 | 57 | 75 | -2 | 0.15 | -0.85 | 17.85 | 2.51 | 179 | -10 |
| Sidney | 93 | 58 | 75 | -3 | 0.00 | -1.12 | 15.07 | 1.14 | 174 | -15 |
| South Central District | | | | | | | | | | |
| Allerton | 90 | 53 | 72 | -4 | 0.24 | -0.81 | 18.95 | 4.92 | 156 | 9 |
| Beaconsfield | 89 | 56 | 72 | -4 | 0.45 | -0.53 | 18.79 | 5.01 | 154 | -21 |
| Chariton | 92 | 48 | 72 | -4 | 0.25 | -0.80 | 17.28 | 2.58 | 154 | -21 |
| Indianola | 93 | 53 | 73 | -3 | 0.53 | -0.38 | 13.72 | -0.59 | 160 | -15 |
| Leon | 90 | 54 | 72 | -4 | 0.13 | -0.78 | 16.84 | 2.55 | 157 | -22 |
| South East District | | | | | | | | | | |
| Bloomfield | 91 | 57 | 73 | -4 | 0.25 | -0.80 | 14.46 | 0.42 | 163 | -19 |
| Burlington | 92 | 59 | 75 | -2 | 0.27 | -0.71 | 11.79 | -1.65 | 175 | -7 |
| Ottumwa | 91 | 54 | 73 | -4 | 0.00 | -1.05 | 16.24 | 3.02 | 163 | -23 |
| Washington | 92 | 50 | 73 | -5 | 0.00 | -0.96 | 18.35 | 5.13 | 160 | -8 |

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 2007: AWIS, Inc. All Rights Reserved.

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