



IDAHO CROP WEATHER



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Grasshoppers Invade Southern Idaho

Agricultural Summary

Grasshopper populations have risen to damaging levels in several areas of Southern Idaho. Farmers have become more concerned as grasshoppers migrate from range areas to cropland. Bait, in the form of carbaryl treated grain, has been distributed by several County Extension offices in Southcentral and Eastern Idaho. Other County Extension offices are planning to use a cost share program to help producers spray insecticide to control the grasshoppers. For the week ending July 21, major agricultural activities included irrigating, applying pesticides, and baling alfalfa.

Soil Moisture and Days Suitable for Fieldwork

Topsoil moisture declined from last week to 15% very short, 41% short, and 44% adequate. Statewide, Idaho farmers had an average of 6.9 days suitable for fieldwork last week.

Field Crop Report

Winter wheat harvest has begun in several areas, including Southwestern Idaho's Treasure Valley, Franklin County, and the lower elevations near Lewiston. In Eastern Idaho, dryland grain condition continued to worsen due to dry conditions. Army worms were reported in hay fields in Franklin County. Thrips and aphids damaged grains in Fremont County. Farmers in North Idaho continued to monitor fields for garbanzo bean blight and stripe rust in spring wheat, spraying fungicides as needed.

Livestock, Pasture and Range Report

The recent hot, dry weather resulted in rapidly declining range and pasture conditions. Ranchers in Eastern Idaho were concerned about the availability of stock water on the higher ranges.

Crop Progress Table

| Percentages | 2002 | 2001 | Avg. |
|--|------|------|------|
| Potatoes Closing Middles | 85 | 74 | 73 |
| Winter Wheat Turning Color | 80 | 77 | 73 |
| Spring Wheat Turning Color | 36 | 31 | 35 |
| Barley Turning Color | 45 | 38 | 35 |
| Dry Peas Harvested | 4 | 46 | 13 |
| Mint Harvested (1 st Cutting) | 15 | 14 | 10 |

Condition Table

| Percentages | Very | | | | |
|-------------------|------|------|------|------|-----------|
| | Poor | Poor | Fair | Good | Excellent |
| Potatoes | 1 | 2 | 12 | 65 | 20 |
| Winter Wheat | 0 | 2 | 23 | 66 | 9 |
| Spring Wheat | 1 | 6 | 19 | 59 | 15 |
| Barley | 1 | 4 | 19 | 68 | 8 |
| Irr. Water Supply | 3 | 21 | 32 | 44 | 0 |
| Range and Pasture | 1 | 15 | 36 | 43 | 5 |

Crop Progress District Table

| Crop | North | | | Southwest | | | South-Central | | | East | | | State | | |
|---|-------|------|-----|-----------|------|-----|---------------|------|-----|------|------|-----|-------|------|-----|
| | 2002 | 2001 | Avg | 2002 | 2001 | Avg | 2002 | 2001 | Avg | 2002 | 2001 | Avg | 2002 | 2001 | Avg |
| Winter Wheat Harvested | 2 | 8 | 3 | 12 | 14 | 8 | 0 | 1 | 3 | 1 | 2 | 1 | 2 | 6 | 3 |
| Spring Wheat Headed | 99 | 96 | 89 | 100 | 100 | 100 | 100 | 100 | 99 | 96 | 89 | 86 | 97 | 93 | 90 |
| Barley Headed | 99 | 96 | 86 | 100 | 100 | 100 | 99 | 100 | 99 | 96 | 92 | 88 | 97 | 94 | 91 |
| Alfalfa Hay 2 nd Cutting Harvested | 0 | 9 | 6 | 93 | 100 | 82 | 81 | 83 | 62 | 13 | 19 | 16 | 48 | 53 | 42 |

Avg (1997-2001); NA = Very Small Percentage of Acreage in District.

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Weather Data For The Week Ending Sunday, July 21, 2002 ^{1/}

| Station | Temperature ^{2/} | | | | Growing Degree Days ^{4/} | | | Precipitation (Inches) | | | | |
|---------------------|---------------------------|-----|------|---------------------|-----------------------------------|---------|--------|------------------------|--------------------|----------|---------|--------|
| | High | Low | Ave. | Dept. ^{3/} | 40 Base | 50 Base | | Total | Dept ^{3/} | Month of | March 1 | |
| | | | | | | To Date | Normal | | | July | To Date | Normal |
| North | | | | | | | | | | | | |
| Coeur D'Alene | 91 | 48 | 70 | 2 | 1847 | 914 | 861 | 0.00 | -0.32 | 0.06 | 6.07 | 9.72 |
| Grangeville | 94 | 52 | 73 | 7 | 1842 | 936 | 622 | 0.03 | -0.18 | 0.29 | 7.58 | 12.11 |
| Lewiston | 97 | 59 | 79 | 4 | 2508 | 1372 | 1290 | 0.00 | -0.15 | 0.10 | 4.74 | 5.28 |
| Sandpoint | 88 | 49 | 69 | 4 | 1719 | 804 | 684 | 0.00 | -0.30 | 0.65 | 8.44 | 10.80 |
| Southwest | | | | | | | | | | | | |
| Boise | 100 | 62 | 81 | 7 | 2769 | 1624 | 1218 | 0.00 | -0.05 | 0.07 | 2.30 | 4.65 |
| Caldwell | 99 | 61 | 78 | 2 | 2690 | 1538 | 1449 | 0.00 | -0.03 | 0.00 | 0.97 | 3.84 |
| Emmett | 98 | 58 | 79 | 6 | 2515 | 1387 | 1254 | 0.11 | 0.08 | 0.11 | 2.75 | 4.55 |
| Mountain Home | 108 | 61 | 84 | 10 | 2601 | 1516 | 1197 | 0.19 | 0.14 | 0.19 | 1.66 | 3.74 |
| Parma 5/ | 100 | 63 | -- | -- | 2681 | 1528 | 1188 | 0.11 | 0.06 | 0.13 | 1.70 | 4.19 |
| Weiser | 100 | 63 | 82 | 9 | 2807 | 1636 | 1215 | 0.00 | -0.02 | 0.14 | 2.28 | 3.93 |
| Southcentral | | | | | | | | | | | | |
| Buhl 5/ | -- | -- | -- | -- | 2284 | 1199 | 945 | 0.00 | -0.05 | 0.00 | 1.66 | 3.88 |
| Burley | 94 | 54 | 73 | 3 | 2180 | 1142 | 930 | 0.30 | 0.23 | 0.30 | 2.73 | 4.00 |
| Hill City | 94 | 48 | 71 | 5 | 1591 | 834 | 557 | 0.00 | -0.10 | 0.00 | 2.78 | 4.48 |
| Hagerman | 103 | 54 | 79 | 6 | 2637 | 1496 | 1395 | 0.02 | -0.04 | 0.02 | 1.72 | 3.49 |
| Malta | 97 | 50 | 74 | 6 | 2122 | 1102 | 920 | 0.07 | -0.13 | 0.07 | 2.19 | 4.30 |
| Twin Falls | 97 | 54 | 75 | 5 | 2195 | 1169 | 875 | 0.08 | 0.01 | 0.08 | 3.25 | 4.18 |
| East | | | | | | | | | | | | |
| Aberdeen 5/ | 95 | 54 | -- | -- | 1871 | 978 | 755 | 0.00 | -0.13 | 0.00 | 1.64 | 4.01 |
| Grace | 102 | 46 | 72 | 6 | 1861 | 993 | 629 | 0.31 | 0.08 | 0.31 | 4.81 | 6.77 |
| Idaho Falls | 95 | 49 | 71 | 2 | 1848 | 938 | 799 | 0.03 | -0.13 | 0.05 | 2.93 | 4.83 |
| Malad City | 101 | 54 | 77 | 7 | 2198 | 1223 | 860 | 0.00 | -0.29 | 0.00 | 1.21 | 6.20 |
| Pocatello | 96 | 51 | 74 | 3 | 2121 | 1124 | 906 | 0.00 | -0.17 | 0.22 | 3.90 | 5.18 |
| Rexburg | 93 | 53 | 72 | 5 | 1763 | 889 | 712 | 0.00 | -0.23 | 0.00 | 1.81 | 6.24 |
| Salmon | 91 | 54 | 73 | 3 | 1898 | 962 | 815 | 0.00 | -0.09 | 0.15 | 1.21 | 5.17 |

1/ Weekly summary provided by the Western Regional Climate Center with data reported by the National Weather Service. When data is quality controlled by the National Climate Center the accumulated growing degree days and precipitation values are updated. 2/-- indicate missing or incomplete data. 3/ Departure from normal. 4/ Totals from March 1. Growing degree days are estimated from neighboring sites for stations with missing or incomplete data. 5/ Precipitation totals are only for days reports were received, no estimates were made for missing data.

Daily High/Low Four Inch Soil Temperatures

| Station | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | | Average ^{1/} | |
|------------|--------|-----|---------|-----|-----------|-----|----------|-----|--------|-----|----------|-----|--------|-----|-----------------------|-----|
| | High | Low | High | Low | High | Low | High | Low | High | Low | High | Low | High | Low | High | Low |
| Buhl | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Emmett | 93 | 85 | 92 | 83 | 90 | 81 | 93 | 82 | 90 | 83 | 89 | 82 | 92 | 81 | 91 | 82 |
| Parma | 75 | 74 | 75 | 73 | 75 | 73 | 75 | 74 | -- | -- | -- | -- | -- | -- | 75 | 74 |
| Sandpoint | 81 | 70 | -- | -- | 81 | 70 | 82 | 70 | 83 | 72 | 79 | 68 | 79 | 68 | 81 | 70 |
| Twin Falls | 82 | 69 | 79 | 69 | 76 | -- | 80 | 67 | 78 | 67 | 80 | 67 | 79 | 65 | 79 | 67 |

1/ Averages are only for days reports were received. -- Missing or Incomplete Data.