



# Crop Progress and Condition



## National Agricultural Statistics Service

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For Week Ending: August 16, 2015

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**ALASKA:** There were **5.5 days suitable for fieldwork** last week. Temperatures last week ranged from four degrees below normal in Fairbanks to 3 degrees above normal in Kodiak. Most areas received some of precipitation. **Wind and rain damage to crops** was reported as 100% none.

**TANANA VALLEY:** An average of **5.0 days was suitable for fieldwork**. First cutting **hay harvest** was reported as 90% complete; second cutting was 10% complete. **Farm activities** for the week included harvesting hay and forage oats, combining grass seed, baling straw, CRP maintenance.

**MATANUSKA VALLEY:** An average of **6.0 days was suitable for fieldwork**. First cutting **hay harvest** was reported as 98% complete. Second cutting was 10% complete. **Farm activities** for the week included harvesting hay, small grains, grass seed and vegetables, weed control, irrigation, general farm maintenance.

**KENAI PENINSULA:** An average of **7.0 days was suitable for fieldwork**. First cutting **hay harvest** was reported as 100% complete; second cutting will begin soon. **Farm activities** for the week included storing first cutting of hay, equipment repair.

### Soil Moisture -- Alaska

|                                | Very short<br>(percent) | Short<br>(percent) | Adequate<br>(percent) | Surplus<br>(percent) |
|--------------------------------|-------------------------|--------------------|-----------------------|----------------------|
| Topsoil Moisture – State.....  | 5                       | 25                 | 70                    | 0                    |
| Tanana Valley.....             | 0                       | 25                 | 75                    | 0                    |
| Matanuska Valley.....          | 20                      | 30                 | 50                    | 0                    |
| Kenai Peninsula.....           | 0                       | 10                 | 90                    | 0                    |
| Subsoil Moisture – State ..... | 5                       | 50                 | 45                    | 0                    |
| Tanana Valley.....             | 0                       | 60                 | 40                    | 0                    |
| Matanuska Valley.....          | 15                      | 50                 | 35                    | 0                    |
| Kenai Peninsula.....           | 0                       | 5                  | 95                    | 0                    |

### Soil Temperatures (F<sup>0</sup>) at 4 inch depth

|                             | Grass |      |      | Fallow land |      |      | Temperature |     | Precipitation<br>(inches) |
|-----------------------------|-------|------|------|-------------|------|------|-------------|-----|---------------------------|
|                             | 2015  | 2014 | 2013 | 2015        | 2014 | 2013 | High        | Low |                           |
| UAF-AFES, Trunk Rd.....     | na    | 58   | 58   | na          | 56   | 55   | na          | na  | na                        |
| Sawmill Creek.....          | 53    | 56   | 54   | na          | na   | na   | 74          | 35  | 0.35                      |
| Plant Materials Center..... | 60    | 54   | 61   | 62          | 52   | 57   | 74          | 38  | 0.18                      |

Pan Evaporation<sup>1/</sup> UAF-AFES, Matanuska Experiment Farm, Palmer: na

<sup>1/</sup> Pan evaporation is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation. na – not available.

### Crop Progress -- Alaska

|                                   | Percent completed      |                        |                        |                                |
|-----------------------------------|------------------------|------------------------|------------------------|--------------------------------|
|                                   | This week<br>(percent) | Last week<br>(percent) | Last year<br>(percent) | 5 year<br>average<br>(percent) |
| Barley Ripe.....                  | 5                      | 0                      | 0                      | 16                             |
| Oats Turning Color .....          | 25                     | 15                     | 5                      | 17                             |
| First Cutting Hay Harvested.....  | 95                     | 90                     | 94                     | 94                             |
| Second Cutting Hay Harvested..... | 10                     | 5                      | 5                      | 7                              |

na – not available

**Crop Condition -- Alaska**

|                        | Very poor | Poor      | Fair      | Good      | Excellent |
|------------------------|-----------|-----------|-----------|-----------|-----------|
|                        | (percent) | (percent) | (percent) | (percent) | (percent) |
| Barley.....            | 5         | 15        | 40        | 40        | 0         |
| Oats.....              | 0         | 10        | 50        | 40        | 0         |
| Potatoes.....          | 0         | 5         | 35        | 50        | 10        |
| Hay.....               | 0         | 5         | 35        | 40        | 20        |
| Range and Pasture..... | 0         | 15        | 45        | 35        | 5         |

**Weekly Weather Statistics — Alaska: August 10 - August 16, 2015**

| Weather station               | Air temperature |     |     |     | Last week precipitation |      | Season cumulative precipitation |       |      | Growing degree days |      |         |
|-------------------------------|-----------------|-----|-----|-----|-------------------------|------|---------------------------------|-------|------|---------------------|------|---------|
|                               | Hi              | Low | AVG | DFN | Total inches            | Days | Total inches                    | DFN   | Days | Base 50             |      | Base 40 |
|                               |                 |     |     |     |                         |      |                                 |       |      | Total               | DFN  | Total   |
| Fairbanks International.....  | 74              | 43  | 54  | -4  | 0.21                    | 6    | 4.49                            | -0.20 | 35   | 981                 | +125 | 2,014   |
| Fairbanks-Eielson .....       | 73              | 41  | 54  | -4  | 0.39                    | 6    | 5.92                            | -0.01 | 38   | 781                 | -30  | 1,784   |
| Nenana .....                  | 72              | 41  | 54  | -3  | 0.26                    | 4    | 3.67                            | -0.87 | 31   | 945                 | +210 | 1,974   |
| Fort Greely-Allen .....       | 72              | 43  | 54  | -3  | 0.48                    | 4    | 5.63                            | -1.51 | 33   | 842                 | +96  | 1,850   |
| Healy River Airport .....     | 67              | 41  | 53  | -4  | 0.51                    | 5    | 6.68                            | -0.31 | 57   | 724                 | +122 | 1,732   |
| Gulkana Airport .....         | 70              | 32  | 52  | -3  | 1.19                    | 3    | 3.66                            | -1.25 | 24   | 647                 | +230 | 1,636   |
| Sutton .....                  | 68              | 42  | 55  | -2  | 0.66                    | 3    | 7.55                            | +1.71 | 59   | 577                 | +152 | 1,569   |
| Palmer .....                  | 72              | 44  | 57  | +1  | 0.55                    | 2    | 2.41                            | -2.74 | 27   | 809                 | +253 | 1,863   |
| Talkeetna .....               | 71              | 37  | 56  | -2  | 1.28                    | 3    | 7.50                            | -2.02 | 44   | 772                 | +203 | 1,800   |
| Willow Airport .....          | 71              | 45  | 58  | +1  | 0.56                    | 3    | 6.56                            | +1.86 | 53   | 849                 | +292 | 1,891   |
| Anchorage International ..... | 71              | 47  | 59  | +2  | 0.46                    | 2    | 4.31                            | -0.58 | 32   | 902                 | +347 | 1,926   |
| Kenai.....                    | 69              | 35  | 54  | -1  | 0.58                    | 2    | 4.17                            | -0.83 | 40   | 420                 | +109 | 1,340   |
| Homer.....                    | 65              | 42  | 55  | +1  | 0.34                    | 2    | 2.44                            | -2.05 | 35   | 547                 | +281 | 1,581   |
| Kodiak.....                   | 67              | 46  | 57  | +3  | 0.20                    | 2    | 14.09                           | -3.71 | 56   | 514                 | +232 | 1,459   |

Summary based on NWS data.

DFN=Departure from normal.

Precipitation days=Days with precipitation of 0.01 inch or more.

Season cumulative precipitation total starts May 1, 2015.

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