



Alaska Crop Weather

PO Box 799 · Palmer, AK 99645
(907) 745-4272 · (907) 746-4654 FAX · www.nass.usda.gov/ak

Released: September 23, 2013

GENERAL: There were **6.0 days suitable for fieldwork** last week. **Topsoil moisture** supplies were reported as 5% short, 95% adequate. **Subsoil moisture** supplies were 30% short, 70% adequate. **Barley and oats** were reported as 100% harvested. **Potato** harvest was 45% complete. **Second cutting hay harvest** was 65% complete. **Winter supplies of hay** were reported as 10% very short, 45% short, 45% adequate. **Wind or rain damage** was reported as 95% none, 5% light. **Condition of pasture** was reported as 5% very poor, 20% poor, 50% fair, 15% good, 10% excellent. The main **farm activities** for the week were harvesting hay, small grains and vegetables, baling straw, fall tillage, preparing for winter.

| CROP WEATHER SUMMARY | | |
|--------------------------------------|------------------|------------------|
| September 16 – September 22, 2013 | | |
| Days Suitable for Fieldwork: 6.0 | | |
| Crop | Topsoil Moisture | Subsoil Moisture |
| Very Short | 0% | 0% |
| Short | 5% | 30% |
| Adequate | 95% | 70% |
| Surplus | 0% | 0% |
| Pan Evaporation*, UAF-AFES, Trunk Rd | | -0.174 |

TANANA VALLEY: An average of **7.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture** was reported as 30% short, 70% adequate. **Barley and oats** were reported as 100% harvested. **Potato** harvest was 25% complete. **Second cutting hay harvest** was 97% complete. **Winter supplies of hay** were reported as 55% short, 45% adequate. **Wind or rain damage** was reported as 95% none, 5% light. **Condition of pasture** was reported as 30% poor, 60% fair, 10% good. **Farm activities** for the week included harvesting small grains, hay, and potatoes, baling straw, spreading manure, fall tillage, winterizing equipment.

MATANUSKA VALLEY: An average of **5.5 days was suitable for fieldwork**. **Topsoil moisture** was reported as 95% adequate, 5% surplus. **Subsoil moisture** was reported as 30% short, 70% adequate. **Potato** harvest was 55% complete. **Second cutting hay harvest** was 45% complete. **Winter supplies of hay** were reported as 20% very short, 40% short, 40% adequate. **Wind or rain damage** was reported as 90% none, 10% light. **Condition of pasture** was reported as 10% very poor, 20% poor, 55% fair, 15% good. **Farm activities** for the week included harvesting hay and vegetables, weed control, winterizing buildings and equipment.

KENAI PENINSULA: An average of **5.0 days was suitable for fieldwork**. **Topsoil moisture** was reported as 100% adequate. **Subsoil moisture** was also reported as 100% adequate. **First cutting hay harvest** was 100% complete. **Winter supplies of hay** were reported as 40% short, 60% adequate. **No wind or rain damage** was reported. **Condition of pasture** was reported as 100% excellent.

Soil Temperatures (F⁰) at 4 inch depth

| | Grass | | | Fallow land | | | Temperature | | Precip. (inches) |
|------------------------|-------|------|------|-------------|------|------|-------------|-----|------------------|
| | 2013 | 2012 | 2011 | 2013 | 2012 | 2011 | High | Low | |
| UAF-AFES, Trunk Rd | 48 | na | 51 | 39 | na | 50 | 61 | 25 | 0.52 |
| Sawmill Creek | 40 | 47 | 43 | na | na | na | 56 | 17 | 0.08 |
| Plant Materials Center | 51 | 50 | 48 | 50 | 46 | 47 | 62 | 26 | 0.90 |

***PAN EVAPORATION:** 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.

Weather Summary For Alaska Agricultural Statistics Service
 Prepared By AWIS.com from NWS preliminary data

For the Period: Monday September 16, 2013
 To: Sunday September 22, 2013

| STATION | LAST WEEK WEATHER SUMMARY | | | | | | May 1, 13 - September 22, 13 | | | | | GDD |
|-----------------|---------------------------|----|-----|---------------|-------|------|------------------------------|-------|--------------|------|-------|------------|
| | TEMPERATURE | | | PRECIPITATION | | | PRECIPITATION | | GDD BASE 50F | | BASE | 40F TOT |
| | HI | LO | AVG | DFN | TOTAL | DAYS | TOTAL | DFN | TOTAL | DFN | | |
| ----- | -- | -- | -- | -- | ----- | ---- | ----- | ---- | ----- | ---- | ----- | ---- |
| Fairbanks_Intl | 58 | 24 | 37 | -7 | 0.06 | 1 | 5.32 | -1.03 | 38 | 1367 | +425 | 2530 |
| Fairbanks/Eiels | 55 | 17 | 34 | -10 | 0.04 | 1 | 4.70 | -3.27 | 35 | 1094 | +197 | 2213 |
| Nenana_Muni_AM | 56 | 20 | 35 | -7 | 0.10 | 2 | 6.48 | +0.40 | 44 | 1138 | +334 | 2260 |
| Ftgreely/Allen | 53 | 17 | 33 | -11 | 0.02 | 1 | 4.81 | -4.02 | 39 | 1151 | +295 | 2277 |
| Healy_River_Air | 55 | 20 | 36 | -7 | 0.08 | 2 | 5.16 | -4.13 | 59 | 984 | +314 | 2104 |
| Gulkana_Arpt_A | 58 | 25 | 38 | -4 | 0.81 | 3 | 8.09 | +1.24 | 45 | 849 | +364 | 2000 |
| Sutton | 59 | 28 | 42 | -4 | 0.48 | 5 | 14.16 | +4.61 | 77 | 697 | +185 | 1872 |
| Palmer_Municipa | 61 | 28 | 43 | -5 | 0.86 | 3 | 8.95 | +0.68 | 52 | 925 | +251 | 2154 |
| Talkeetna | 68 | 25 | 43 | -3 | 0.01 | 1 | 17.00 | +1.90 | 53 | 998 | +336 | 2191 |
| Willow_Airport | 62 | 30 | 45 | -3 | 0.37 | 5 | 12.51 | +4.47 | 74 | 1043 | +386 | 2276 |
| Anchorage_Intl | 59 | 32 | 45 | -3 | 0.11 | 1 | 12.11 | +3.57 | 55 | 1051 | +370 | 2294 |
| Kenai_Municipal | 60 | 26 | 43 | -3 | 0.21 | 5 | 13.44 | +4.60 | 63 | 481 | +82 | 1649 |
| Homer | 62 | 34 | 47 | +0 | 0.12 | 1 | 7.66 | -0.60 | 57 | 626 | +268 | 1830 |
| Kodiak | 63 | 34 | 48 | +0 | 1.04 | 2 | 22.80 | -3.03 | 68 | 650 | +260 | 1833 |

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USDA/NASS/Alaska Field Office
 PO Box 799
 Palmer, AK 99645