

Weekly Weather and Crop Bulletin State Stories

Released July 26, 2011, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Weekly Weather and Crop Bulletin State Stories" call Julie Schmidt at (202) 720-7621, office hours 7:00 a.m. to 4:00 p.m. ET.

ALABAMA: Days suitable for fieldwork 5.5. Topsoil moisture 14% very short, 30% short, 55% adequate, and 1% surplus. Corn 98% silked, 100% 2010, and 99% 5-yr avg.; dough 51%, 77% 2010, and 74% five-year average. Corn 15% dented, 41% 2010, and 36% five-year average. Corn condition 11% very poor, 15% poor, 32% fair, 38% good, and 4% excellent. Soybeans blooming 46%, 61% 2010, and 60% five-year average. Soybean condition 2% very poor, 9% poor, 27% fair, 59% good, and 3% excellent. Livestock condition 3% very poor, 7% poor, 33% fair, 54% good, and 3% excellent. Pasture and range condition 9% very poor, 14% poor, 36% fair, 37% good, and 4% excellent. The week's average mean temperatures ranged from 79.4 F in Centreville, to 83.3 F in Muscle Shoals; total precipitation ranged from 0.00 inches in Huntsville and Gadsden, to 4.85 inches in Alexander City. Widespread rainfall helped crops recuperate from the early drought. Unfortunately, the rain produced an increase in crop pests and diseases. Pastures look better and hay operations picked up this past week for the first time in more than month.

ALASKA: Days suitable for fieldwork 6.5. Topsoil moisture 5% short, 95% adequate. Subsoil moisture 20% short, 80% adequate. Barley 35% in dough. Condition of barley 10% poor, 30% fair, 50% good, 10% excellent. Oats 10% in dough. Condition of oats 30% fair, 40% good, 30% excellent. Condition of potatoes 5% poor, 20% fair, 55% good, 20% excellent. Hay harvest 80% complete. Condition of all hay 10% poor, 50% fair, 40% good. Wind and rain damage 100% none. Activities harvesting hay, weed control, CRP maintenance, fertilizing hay, equipment repair.

ARIZONA: Temperatures were mostly above normal for the week ending July 24th, ranging from 2 degrees below normal at Parker to 7 degrees above normal at Prescott. The highest temperature of the week was 112 degrees at Phoenix and Yuma. The lowest reading was 39 degrees at Grand Canyon. There was precipitation recorded in 13 of the 22 weather stations. The least precipitation was recorded in Canyon de Chelly and Grand Canyon with 0.07 inches. The most precipitation was recorded in Willcox with 1.10 inches. Roll is the only area that has above normal precipitation to date. Squaring has occurred on 90 percent of the State's cotton acreage, behind last year and the five-year average. Sixty-five percent of the acreage has set bolls. Bolls opening is at 17 percent, ahead of last year and the five-year average. The condition of the cotton crop remains mostly good. Alfalfa condition is mostly good to excellent. Harvesting is active on over three-fourths of the acreage across the State. Arizona growers remained active with the harvest of cantaloupes, honeydews and other miscellaneous melons. Range and pastures received some much needed moisture from seasonal rains. Most rangeland remains in very poor to fair condition. Some stock tanks were replenished with the much needed rain showers, but water hauling is necessary in a few areas.

ARKANSAS: Days suitable for fieldwork 6.9. Topsoil moisture 39% very short, 47% short, 13% adequate, 1% surplus. Subsoil moisture 36% very short, 43% short, 21% adequate, 0% surplus. Corn 100% silked, 100% 2010, 99% avg.; 86% dough, 89% 2010, 80% avg.; 60% dent, 71% 2010, 48% avg.; 10% mature, 11% 2010, 3% avg; condition 12% very poor, 14% poor, 31% fair, 34% good, 9% excellent. Livestock condition continued to be mostly fair to good last week. Although spotted rain showers took place across the state, pasture and range and hay conditions declined again due to the hot and dry weather. Hay harvest continued last week, but there were reports of producers beginning to feed hay due to pasture shortages.

CALIFORNIA: Nearly all winter wheat has been harvested across the state; some fields in the north remain to be harvested. Other small grain crop harvests progressed well. Cotton producers continued to monitor and control Lygus outbreaks. Cotton was progressing well through squaring developmental stage while many reporters have seen the flowers blooming. Rice development was progressing well due to

warm weather conditions and fields were reported to be in mostly good to excellent condition. Alfalfa producers continued harvesting of the second to fourth cutting from the northern to southern areas of the state, respectively. Corn for silage harvest was ongoing. Mint was growing well and received treatments for late weeds and mites. The Valencia orange and grapefruit harvests were ongoing as lemons were picked along the southern coast. The blueberry harvest was winding down while strawberries and blackberries were picked in the San Joaquin Valley. Grape vineyards across the state continued to develop well while being sprayed to treat mildew and European grapevine moth. The peach, nectarine and plum harvests continued. Apples, pears, kiwis and pomegranates were growing well. Reporters continue to see hull split in almond orchards across the state as growers applied hull split sprays. Though the crop continued to be delayed by one to two weeks, growers began preparing almond orchards for harvest. There was also good developmental progress in walnut, pistachio and pecan orchards. Kern County reported carrots, watermelon, cantaloupe and bell peppers were being harvested. Tulare County reported honeydew melons were being picked and packed. Harvest of summer vegetables was on-going, primarily squash, eggplant, tomatoes, watermelons, and assorted peppers. Fresno County reported good harvest conditions for carrots, onions and garlic. Processing tomato and cantaloupe harvest was starting. Merced County reported cantaloupe and honeydew harvest had begun, while fresh tomato, bell pepper and watermelon harvest continued. Tomato planting continued for both fresh market and processing tomatoes. San Joaquin County reported the onion harvest was winding down, fresh and processing tomatoes were being weeded, and watermelon harvest had started. Sutter County reported processing tomatoes were sizing up and turning color, while watermelons were treated for flea beetle. Non-irrigated pasture and rangeland were reported to be in excellent to poor condition. Grasses in the lower Sierra foothills began to desiccate. Some dry land range in Siskiyou County was still grazed due to late season moisture. Supplemental feeding of livestock continued to decline. Sheep grazed harvested grain fields. Bees were active pollinating onion seed, sunflower, alfalfa, melon, and squash fields.

COLORADO: Days suitable for field work 6.5. Topsoil moisture 11% very short, 31% short, 54% adequate, 4% surplus. Subsoil moisture 15% very short, 24% short, 58% adequate, 3% surplus. Winter wheat 97% ripe, 98% 2010, 97% avg. Spring barley 97% headed, 100% 2010, 99% avg.; 62% turning color, 53% 2010, 67% avg.; 11% harvested, 3% 2010, 4% avg.; condition 2% poor, 39% fair, 49% good, 10% excellent; 98% headed, 97% 2010, 95% avg.; 44% turning color, 51% 2010, 51% avg., 1% harvested, 2% 2010, 2% avg., condition 16% poor, 47% fair, 30% good, 7% excellent. Alfalfa 54% 2nd cutting, 58% 2010, 55% avg.; condition 10% poor, 26% fair, 51% good, 13% excellent. Dry Beans 25% flowered, 51% 2010, 49% avg.; condition 60% fair, 37% good, 3% excellent. Dry onions condition 14% fair, 71% good, 15% excellent. Sugarbeets condition 19% fair, 65% good, 16% excellent. Fall potatoes condition 1% very poor, 5% poor, 46% fair, 41% good, 7% excellent. Summer potatoes condition 2% poor, 35% fair, 56% good, 7% excellent. Sunflowers condition 3% poor, 33% fair, 57% good, 7% excellent. Livestock condition 2% poor, 23% fair, 62% good, 13% excellent. Colorado experienced warmer temperatures and received below average precipitation last week. The dry and warmer weather continued to improve some crop conditions in the northeastern region but drought conditions continue for the southern regions of the State.

DELAWARE: Days suitable for fieldwork 6.0. Topsoil moisture 15% very short, 32% short, 53% adequate, 0% surplus. Subsoil moisture 13% very short, 52% short, 35% adequate, 0% surplus. Hay supplies 8% very short, 27% short, 33% adequate, 32% surplus. Other hay second cutting 91% , 80% 2010, 88% avg.; third cutting 0%, 22% 2010, 9% avg. Alfalfa hay second cutting 100%, 82% 2010, 92% avg.; third cutting 11%, 20% 2010, 27% avg. Pasture condition 17% very

poor, 19% poor, 24% fair, 40% good, 0% excellent. Corn condition 11% very poor, 24% poor, 32% fair, 27% good, 6% excellent. Soybean condition 4% very poor, 8% poor, 29% fair, 56% good, 3% excellent. Apple condition 0% very poor, 2% poor, 6% fair, 88% good, 4% excellent. Peach condition 0% very poor, 1% poor, 9% fair, 87% good, 3% excellent. Corn 98% silked, 91% 2010, 87% avg.; dough 73%, 32% 2010, 27% avg. Soybeans 100% planted, 100% 2010, 100% avg.; 100% emerged, 100% 2010, 98% avg. Soybeans blooming 34%, 52% 2010, 34% avg. Soybeans setting pods 13%, 36% 2010, 13% avg. Cantaloups 33% harvested, 33% 2010, 22% avg. Cucumbers 99% planted, 99% 2010, 93% avg.; 60% harvested, 49% 2010, 36% avg. Lima Beans 98% planted, 90% 2010, 91% avg.; 8% harvested, 100% 2010, 26% avg. Snap beans 97% planted, 100% 2010, 99% avg.; 50% harvested, 73% 2010, 47% avg. Sweet corn 100% planted, 100% 2010, 100% avg.; 38% harvested, 46% 2010, 33% avg. Tomatoes harvested 21%, 31%, 18% avg. Watermelons harvested 35%, 29% 2010, 21% avg. Apples harvested 36%, 7% 2010, 4% avg. Peaches harvested 58%, 26% 2010, 34% avg. Continued dry conditions, little relief from scattered storms. Record heat last week after some heavy area thunderstorms.

FLORIDA: Topsoil moisture 6% very short, 23% short, 63% adequate, 8% surplus. Subsoil moisture 4% very short, 27% short, 58% adequate, 11% surplus. Peanut 67% pegged, 72% 2010, 79% 5-yr avg. Field preparation for fall crop planting remained active across central, southern Peninsula areas. Okra harvesting continued, Miami-Dade County. Light supplies of avocados marketed, movement expected to increase next month. Extreme drought conditions existed in parts of Martin, St Lucie, and Palm Beach citrus counties. Grove activity resetting new trees, young tree care, applying herbicides, hedging and topping, brush removal, fertilizer application. Pasture condition 1% very poor, 3% poor, 40% fair, 50% good, 6% excellent. Cattle condition 1% very poor, 4% poor, 35% fair, 55% good, 5% excellent. Statewide pasture, cattle conditions mostly good. Pasture condition stabilized in north, improved in southwest. Supplemental hay fed. Panhandle, north pasture condition very poor to excellent, most fair to good. Recent rain helped pastures improve, much pasture not recovered from past month's drought. Supplement hay fed where pastures overgrazed. Cattle condition poor to excellent, most fair to good. Central pasture, cattle conditions very poor to excellent, most fair to good. Southwest pasture, cattle conditions poor to excellent, most good. Grasshopper damage noted. Stock ponds water levels up, some low lying pasture flooded.

GEORGIA: Days suitable for fieldwork 6.3. Topsoil moisture 14% very short, 39% short, 44% adequate, 3% surplus. Subsoil moisture 16% very short, 43% short, 40% adequate, 1% surplus. Range and pasture 10% very poor, 24% poor, 40% fair, 24% good, 2% excellent. Corn 14% very poor, 18% poor, 28% fair, 27% good, 13% excellent. Cotton 15% very poor, 19% poor, 38% fair, 24% good, 4% excellent. Cotton squaring 80%, 96% 2010, 91% avg. Cotton setting bolls 50%, 68% 2010, 61% avg. Hay 12% very poor, 21% poor, 43% fair, 21% good, 3% excellent. Hay second cutting comp. 44%, N/A 2010, N/A avg. Peaches 95% harvested, 81% in 2010, 80% avg. Peanuts 7% very poor, 14% poor, 41% fair, 29% good, 9% excellent; blooming 90%, 97% in 2010, 94% avg.; pegging 70%, 84% in 2010, 80% avg. Pecans 6% very poor, 13% poor, 50% fair, 24% good, 7% excellent. Sorghum 5% very poor, 26% poor, 47% fair, 19% good, 3% excellent; 96% planted, 97% in 2010, 96% avg. Soybeans 8% very poor, 16% poor, 43% fair, 30% good, 3% excellent. Tobacco 2% very poor, 12% poor, 43% fair, 35% good, 8% excellent; 30% harvested, 23% 2010, 24% avg. Precipitation estimates for the State ranged from no rain up to 2.0 inches. The week's average temperatures ranged from the mid 70s to the mid 80s.

HAWAII: Days suitable for fieldwork 7. Soil moisture was at short to adequate levels. Skies were generally partly sunny. Trade winds were at moderate levels throughout the week. Associated rains generally fell over the windward and mountain areas, but were spotty with wide variation. Trades were strong enough at times that showers were carried over to the leeward side. The National Drought Monitor showed that overall conditions improved compared to the previous four weeks as percent area in the none category increased 5.48 percentage points and the moderate drought rating fell by the same level of percentage point level. The only counties that continued to see any level of drought was Hawaii and Maui. Crops were in generally fair condition throughout the week, but varied based on location.

IDAHO: Days suitable for field work 6.7. Topsoil moisture 2% very short, 18% short, 76% adequate, 4% surplus. Winter wheat turning color 62%, 54% 2010, 79% avg. Spring wheat turning color 27%, 21% 2010, 41% avg. Barley turning color 26%, 33% 2010, 45% avg. Potatoes 12 inches high 99%, 95% 2010, 98% avg. Potatoes closing middles 93%, 77% 2010, 86% avg. Alfalfa hay 1st cutting harvested 98%, 100% 2010, 100% avg.; 2nd cutting harvested 31%, 35% 2010,

47% avg. Irrigation water supply 0% very poor, 0% poor, 1% fair, 25% good, 74% excellent. Potato condition 0% very poor, 0% poor, 14% fair, 75% good, 11% excellent. Barley 1% harvested, 1% 2010, 1% avg. North Idaho cereal grain production is still behind average due to poor spring conditions. Stripe rust has affected quite a few winter wheat acres in Franklin County according to the U of I extension educator. Yields are expected to be affected by the rust. Heat in Elmore County created some concerns in the potato and wheat crop. Statewide, potato condition declined slightly from the previous week but remained in mostly good to excellent condition. Spring wheat and barley heading stage is almost complete at the state level. Most of the state has completed the first cutting of alfalfa. Several extension educators reported harvest beginning for winter wheat and barley.

ILLINOIS: Days suitable for fieldwork 6.0. Topsoil moisture 10% very short, 28% short, 58% adequate, 4% surplus. Oats 96% turning yellow, 99% 2010, 94% avg.; 82% ripe, 84% 2010, 64% avg.; 55% harvested, 67% 2010, 40% avg. Alfalfa 93% second cut, 88% 2010, 90% avg.; 13% third cut, 21% 2010, 18% avg. Statewide temperatures averaged 84.5 degrees, 8.0 degrees above normal. Precipitation across the state averaged 0.92 inches, 0.11 inches below normal. Very hot and dry conditions were dominant over much of the state last week until some areas received welcomed rains on Friday and over the weekend. Statewide, many crops are showing signs of heat stress and low moisture. Livestock are also feeling the effects of excessive heat with some losses being reported due to high temperatures. Activities. harvesting oats, baling straw, spraying beans, and some fungicide application on corn.

INDIANA: Days suitable for fieldwork 6.2. Topsoil moisture 14% very short, 39% short, 44% adequate, 3% surplus. Subsoil moisture 7% very short, 29% short, 60% adequate, 4% surplus. Corn 62% silked, 90% 2010, 71% avg.; condition 5% very poor, 13% poor, 36% fair, 36% good, 10% excellent. Soybeans blooming 51%, 77% 2010, 60% avg.; setting pods 7%, 39% 2010, 18% avg.; condition 5% very poor, 11% poor, 37% fair, 39% good, 8% excellent. Pasture condition 5% very poor, 16% poor, 37% fair, 37% good, 5% excellent. Second cutting alfalfa 81%, 82% 2010, 82% avg. Temperatures ranged from 70 to 130 above normal with a low of 64o and a high of 101o. Precipitation ranged from 0.0 inches to 4.73 inches. Soaring temperatures and limited precipitation stressed crops and livestock last week. Six of nine districts recorded triple digit temperatures and high humidity sent heat indices even higher. Most of the state received limited precipitation at some point during the week, but relief was minimal when corn was in the critical pollination stage. Storms that carried rainfall also knocked down corn in some areas, with shallow rooted corn especially vulnerable. Corn is firing in fields on high ground and well drained soils. County fair participants worked hard to keep animals comfortable under extreme conditions. Other major activities during the week included baling straw, cutting hay, monitoring irrigation systems, applying herbicides where temperatures permit, detasseling seed corn, attending county fairs, mowing roadsides and taking care of livestock.

IOWA: Days suitable for fieldwork 5.5. Topsoil moisture 4% very short, 20% short, 72% adequate, and 4% surplus. Subsoil moisture 1% very short, 13% short, 79% adequate, and 7% surplus. 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.

KANSAS: Days suitable for fieldwork 6.6. Topsoil moisture 45% very short, 28% short, 26% adequate, 1% surplus. Subsoil moisture 42% very short, 30% short, 28% adequate. Sunflowers 98% emerged, 97% 2010, 97% avg.; bloomed 15%, 16% 2010, 17% avg.; condition 2% very poor, 7% poor, 45% fair, 39% good, 7% excellent. Alfalfa second cutting 97%, 99% 2010, 96% avg.; third cutting 32%, 38% 2010, 31% avg. Feed grain supplies 8% very short, 16% short, 72% adequate, 4% surplus. Hay and forage supplies 15% very short, 29% short, 54% adequate, 2% surplus. Stock water supplies 17% very short, 23% short, 59% adequate, 1% surplus. Kansas producers received no relief last week as temperatures at all stations were over 100 degrees and precipitation was limited to localized thunderstorms. Temperatures remained above average for Kansas as highs reached 110 degrees in Hays while lows ranged from the upper 70's to 63 degrees in Colby, Oberlin, and Tribune. The weather continued to take a toll as only 7 out of the 52 stations received over half an inch of rain. Of the stations fortunate enough to receive rain, Colby led the State at 2.30 inches, followed by Liberal with 1.99 inches, and Tribune with 1.41 inches. Topsoil moisture in every district was 33 percent short to very short or worse, even in the northern districts, whereas the southern three districts are the driest with at least 93 percent short to very short.

Both topsoil and subsoil moisture supplies remain at the lowest levels since August of 2006. Farmers were active irrigating crops as water supplies allowed, cutting hay, and applying pesticides and herbicides where needed. Temperatures over 100 degrees combined with lack of moisture led to the continued decline in the condition of Kansas row crops last week. The range and pasture condition declined 8 points with the heat and lack of rain. Livestock producers continue to use Conservation Reserve Program land for emergency pasturing and haying in many areas, as well as supplemental feeding and hauling water.

KENTUCKY: Days suitable fieldwork 5.8. Topsoil 3% very short, 27% short, 62% adequate, 8% surplus. Subsoil moisture 2% very short, 17% short, 75% adequate, 6% surplus. Precipitation totaled 0.69 inches, 0.27 in. below normal. Temperatures averaged 82 degrees, 4 degrees warmer than the previous week. Corn in milk stage 35%. Dark tobacco blooming 65% and topped 35%. Burley tobacco blooming 28% and topped 10%. Condition of tobacco set, 1% very poor, 4% poor, 26% fair, 50% good, 19% excellent. Hay conditions 1% very poor, 4% poor, 30% fair, 53% good, 12% excellent.

LOUISIANA: Days suitable for fieldwork 5.2. Soil moisture 20% very short, 36% short, 38% adequate, 6% surplus. Corn 13% harvested, 9% 2010, 3% avg.; 13% very poor, 18% poor, 29% fair, 37% good, 3% excellent. Sweet Potato 100% planted, 100% 2010, 100% avg. Peaches 83% harvested, 75% 2010, 82% avg. Hay second cutting 61%, 69% 2010, 58% avg. Sugarcane 10% very poor, 15% poor, 35% fair, 30% good, 10% excellent. Livestock 2% very poor, 12% poor, 45% fair, 39% good, and 2% excellent. Vegetables 8% very poor, 21% poor, 43% fair, 27% good, and 1% excellent. Range and Pasture 9% very poor, 28% poor, 43% fair, 19% good, and 1% excellent.

MARYLAND: Days suitable for fieldwork 6.9. Topsoil moisture 32% very short, 47% short, 21% adequate, 0% surplus. Subsoil moisture 29% very short, 50% short, 21% adequate, 0% surplus. Hay supplies 4% very short, 11% short, 83% adequate, 2% surplus. Other hay second cutting 85%, 92% 2010, 68% avg.; third cutting 2%, 5% 2010, 7% avg. Alfalfa hay second cutting 97%, 95% 2010, 93% avg.; third cutting 37%, 28% 2010, 34% avg. Pasture condition 18% very poor, 35% poor, 26% fair, 21% good, 0% excellent. Corn condition 14% very poor, 17% poor, 28% fair, 38% good, 3% excellent. Soybean condition 16% very poor, 19% poor, 28% fair, 36% good, 1% excellent. Apple condition 0% very poor, 0% poor, 7% fair, 92% good, 1% excellent. Peach condition 0% very poor, 1% poor, 9% fair, 83% good, 7% excellent. Corn 87% silked, 83% 2010, 82% avg.; dough 17%, 32% 2010, 23% avg. Soybeans 100% planted, 100% 2010, 100% avg.; 97% emerged, 100% 2010, 100% avg.; blooming 41%, 60% 2010, 34% avg.; setting pods 18%, 32% 2010, 11% avg. Cantaloups 38% harvested, 41% 2010, 35% avg. Cucumbers 95% planted, 94% 2010, 89% avg.; 55% harvested, 26% 2010, 39% avg. Lima Beans 96% planted, 88% 2010, 90% avg.; 24% harvested, 7% 2010, 24% avg. Snap beans 97% planted, 100% 2010, 93% avg.; 40% harvested, 33% 2010, 46% avg. Sweet corn 98% planted, 100% 2010, 100% avg.; 36% harvested, 33% 2010, 35% avg. Tomatoes harvested 29%, 34% 2010, 29% avg. Watermelons 23% harvested, 17% 2010, 16% avg. Apples harvested 5%, 4% 2010, 10% avg. Peaches harvested 33%, 37% 2010, 28% avg. Continued dry conditions, little relief from scattered storms. It is very dry and the spotty showers have not offered any significant amount of rain.

MICHIGAN: Days suitable for fieldwork 6. Topsoil 31% very short, 41% short, 28% adequate, 0% surplus. Subsoil 18% very short, 42% short, 39% adequate, 1% surplus. Corn height 60 inches. Barley 0% very poor, 4% poor, 51% fair, 42% good, 3% excellent. Barley 100% headed, 99% 2010, 36% avg.; 0% harvested, 3% 2010, 1% avg. Oats 1% very poor, 7% poor, 36% fair, 50% good, 6% excellent; 100% headed, 100% 2010, 100% avg.; turning 66%, 92% 2010, 75% avg. All hay 2% very poor, 8% poor, 30% fair, 48% good, 12% excellent. Second cutting hay 62%, 58% 2010, 61% avg. Dry beans 7% very poor, 11% poor, 36% fair, 36% good, 10% excellent; blooming 37%, 55% 2010, 36% avg. Blueberries 45% harvested, 46% 2010, 36% avg. Tart cherries harvested 49%, 93% 2010, 58% avg. Precipitation ranged from 0.19 inches to 0.32 inches Upper Peninsula and 0.11 to 0.78 inches Lower Peninsula. Temperatures 6 to 7 degrees above normal Upper Peninsula and 7 to 9 degrees above normal Lower Peninsula. Extreme heat aided advancing crop development, but crops still need moisture. Scattered showers a temporary relief to some. Field activities included spraying insecticide, harvest of winter wheat, oats, tart cherries, blueberries, peaches, and second cutting of hay. Corn began silking as it continued to roll from moisture stress. Soybeans remain short; rows have yet to develop a full canopy. Humidity caused a slowdown in wheat and oat harvest in Thumb. Wheat harvest wrapping up southern counties with excellent quality. Straw and alfalfa bailing ongoing. Irrigated potatoes full bloom southwest. Spraying for cercospora continued in sugarbeets. The hot, dry weather has brought

fruit development close to normal. Dry soils, however, have caused some heat-stress trees and small fruit. Cherry fruit flies and apple maggots have emerged. Tart cherry harvest completed southwest and continued west central. Harvest of mid-season blueberries like Jersey and Nelson began. Yields Grand Rapids area have been lower than expected, but berry size and quality have been excellent. Apples 2 to 2.25 inches south. Japanese plum harvest began southwest. Harvest of early peaches such as PF 1 and Harbinger started. Raspberry harvest continued. Sweet corn developed quickly. Many fields approached harvest while some fields southwest being harvested. Celery transplanting complete. Aster leafhopper counts varied from modest to significant. Cabbage continued to be harvested and being sold on wholesale market. Grand Rapids area, cabbage transplanting continued. Carrots continued to develop. Growers monitored for aster leafhopper, alternaria, and cercospora. Tomatoes being harvested southwest. Peppers continued to develop and approach harvest. Crop appears to be healthy. Cucumber, zucchini, and summer squash harvest continued. Downy mildew has been confirmed southwest. Cantaloupe and watermelon beginning to assume mature color. Asparagus ferns have developed rapidly full-season harvested fields. Growers have struggled to apply fungicides on these fields. Cucumbers for pickles have been planted, and harvest began. There reports of modest pest pressure in onion crop. Snap beans continued to be harvested.

MINNESOTA: Days suitable for fieldwork 4.8. Topsoil moisture 3% short, 72% adequate, 25% surplus. Pasture condition 1% very poor, 3% poor, 11% fair, 61% good, 24% excellent. Corn Height 69 inches, 87 inches 2010, 75 inches avg.; 2% Milk, 9% 2010, 9% avg. Soybean Height 20 inches, 22 inches 2010, 22 inches avg. Dry edible beans 53% blooming, NA 2010, NA avg.; 8% setting pods, NA 2010, NA avg.; condition 1% very poor, 5% poor, 24% fair, 51% good, 19% excellent. Spring wheat 30% Turning Ripe, 81% 2010, 60% avg. Barley 38% Turning Ripe, 86% 2010, 66% avg.; 1% harvested, 5% 2010, 7% avg. Oats 54% Turning Ripe, 91% 2010, 77% avg. Sweet corn 1% harvested, 7% 2010, 5% avg. Canola condition 6% poor, 50% fair, 42% good, 2% excellent. Potato condition 1% very poor, 2% poor, 10% fair, 54% good, 33% excellent. Sugarbeet condition 2% very poor, 9% poor, 28% fair, 47% good, 14% excellent. Sunflower condition 1% very poor, 6% poor, 42% fair, 46% good, 5% excellent. The development of small grains and field crops advanced significantly last week as high heat and humidity persisted across much of the state. Daytime highs in the mid to upper 90s combined with dew points in the low to mid 70s produced heat indices in excess of 115 degrees in some locations stressing livestock and poultry. Showers and thunderstorms developed Friday and Saturday with precipitation amounts ranging from a half-inch to over 3 inches in some areas.

MISSISSIPPI: Days suitable for fieldwork 4.9. Soil moisture 4% very short, 19% short, 54% adequate, and 23% surplus. Corn 100% silked, 100% 2010, 100% avg.; 96% dough, 96% 2010, 96% avg.; 82% dent, 80% 2010, 76% avg.; 6% mature, 19% 2010, 14% avg.; 15% very poor, 14% poor, 23% fair, 32% good, 16% excellent. Cotton 97% squaring, 100% 2010, 99% avg.; 63% setting bolls, 90% 2010, 79% avg.; 2% very poor, 11% poor, 23% fair, 46% good, 18% excellent. Peanuts 100% pegging, 93% 2010, 95% avg. 0% very poor, 1% poor, 39% fair, 44% good, 16% excellent. Rice 58% heading, 74% 2010, 47% avg.; 0% very poor, 3% poor, 29% fair, 47% good, 21% excellent. Sorghum 85% heading, 98% 2010, 95% avg.; 29% turning color, 36% 2010, 40% avg.; 1% very poor, 6% poor, 21% fair, 62% good, 10% excellent. Soybeans 95% blooming, 96% 2010, 97% avg.; 74% setting pods, 86% 2010, 85% avg.; 3% turning color, 5% 2010, 8% avg.; 5% very poor, 9% poor, 25% fair, 45% good, 16% excellent. Hay (harvested-warm) 67%, 60% 2010, 62% avg.; 11% very poor, 21% poor, 29% fair, 35% good, 4% excellent. Sweetpotatoes 100% planted, 100% 2010, 100% avg.; 3% very poor, 9% poor, 25% fair, 40% good, 23% excellent. Watermelons 78% harvested, 88% 2010, 91% avg. Cattle 5% very poor, 16% poor, 34% fair, 38% good, 7% excellent. Pasture 12% very poor, 15% poor, 28% fair, 39% good, 6% excellent. Rains that fell over the weekend have improved conditions for pasture, gardens, and many crops, but have been too late to be of much help to corn. Plant bugs and worms persist in many cotton fields and boll worm problems in soybeans have been reported.

MISSOURI: Days suitable for fieldwork 6.8. Precipitation 0.10 in. Temperatures were 3 degrees to 4 degrees above average in the southeast district while the rest of the state experienced temperatures 4 to 9 degrees above average. Topsoil moisture 29% very short, 42% short, 27% adequate, 2% surplus. Topsoil moisture in the southwest district was 90% in the very short and short categories, followed closely by the west-central district at 88% short and very short. Corn condition was greatly impacted by the hot dry weather in the southwest district with 52% very poor, 31% poor, 14% fair, and 3% good. Alfalfa hay 2nd cutting 92%. Alfalfa hay 3rd cutting 24%. Other hay cut 94%. Pasture

condition continued to decline, increasing 10 points in the poor and very poor categories to 9% very poor, 20% poor, 39% fair, 31% good, and 1% excellent.

MONTANA: Topsoil moisture 3% very short, 0% last year; 39% short, 22% last year; 52% adequate, 74% last year; 6% surplus, 4% last year. Subsoil moisture 1% very short, 1% last year; 17% short, 19% last year; 74% adequate, 77% last year; 8% surplus, 3% last year. Winter wheat condition 2% very poor, 0% last year; 6% poor, 1% last year; 19% fair, 15% last year; 61% good, 62% last year; 12% excellent, 22% last year. Winter wheat headed 100%, 100% last year. Winter wheat turning 73%, 81% last year. Barley condition 3% very poor, 0% last year; 6% poor, 1% last year; 29% fair, 14% last year; 52% good, 62% last year; 10% excellent, 23% last year. Barley boot stage 97%, 98% last year. Barley headed 80%, 81% last year. Barley turning 10% 21% last year. Dry peas blooming 94%, 98% last year. Durum wheat condition 0% very poor, 0% last year; 3% poor, 5% last year; 22% fair, 22% last year; 66% good, 58% last year; 9% excellent, 16% last year. Durum wheat boot stage 85%, 90% last year. Durum wheat 55% headed, 70% last year. Lentils blooming 91%, 89% last year. Lentils 1% harvested, 0% last year. Oats condition 1% very poor, 0% last year; 6% poor, 1% last year; 28% fair, 22% last year; 60% good, 62% last year; 5% excellent, 15% last year. Oats boot stage 95%, 98% last year. Oats 60% headed, 80% last year. Spring wheat condition 2% very poor, 0% last year; 7% poor, 1% last year; 30% fair, 18% last year; 54% good, 62% last year; 7% excellent, 19% last year. Spring wheat boot stage 92%, 96% last year. Spring wheat 72% headed, 77% last year. Alfalfa hay harvested first cutting 88%, 87% last year. Other hay harvested first cutting 79%, 81% last year. Range and pasture feed condition 0% very poor, 1% last year; 2% poor, 5% last year; 15% fair, 16% last year; 50% good, 54% last year; 33% excellent, 24% last year. Montana experienced hot temperatures with scattered showers during the week ending July 24th. There were only small amounts of accumulated precipitation. Fort Benton and Hardin experienced temperatures of 103 degrees with the highs for all other weather stations in the 90s to 100s. West Yellowstone had the low temperature of 28 degrees, with Cascade dipping to 32 degrees. Glasgow received the most moisture for the week at 1.40 inches.

NEBRASKA: Days suitable for fieldwork 6.3. Topsoil moisture 2% very short, 28% short, 67% adequate, and 3% surplus. Subsoil moisture 1% very short, 16% short, 80% adequate, and 3% surplus. Corn Irrigated conditions 1% very poor, 5% poor, 14% fair, 56% good and 24% excellent. Corn Dryland conditions 1% very poor, 5% poor, 15% fair, 60% good, and 19% excellent. Winter wheat ripe 94%, 92% 2010, 97% avg. Dry Bean conditions 1% very poor, 11% poor, 25% fair, 57% good, and 6% excellent; blooming 25%, 59% 2010, 52% avg.; setting pods 3%, 10% 2010, 10% avg. Alfalfa second cutting 75% complete, 81% 2010, 83% avg.; third cutting 3% complete, 8% 2010, 6% avg.; conditions 0% very poor, 1% poor, 15% fair, 67% good, and 17% excellent. Wild hay harvested 72% complete, 65% 2010. Wild hay conditions 0% very poor, 2% poor, 19% fair, 65% good, and 16% excellent. Hot, humid conditions stressed livestock and made care difficult, but limited rainfall allowed wheat and hay harvests to progress. Top soil moisture supplies were drawn down with irrigation active in many areas. Most of the corn crop had reached the pollination stage with near three fourths of the crop having silked. Temperatures averaged 4 degrees above normal. Highs reached triple digits, but were mainly in mid to upper 90's. Lows were recorded mostly in the 60's. Rainfall was light except for parts of central and eastern Nebraska.

NEVADA: Days suitable for fieldwork 7. Warm weather dominated the week's weather. Weekly average temperatures ranged from 3 degrees below normal to 4 degree above normal. Las Vegas recorded a high temperature of 107 degrees and temperatures reached the mid to upper nineties in most areas. No precipitation was recorded. The dry weather permitted excellent progress of haying. First cutting of alfalfa was nearing completion in the north. Pastures and ranges showed good growth and is in good to excellent condition. Cheat grass was curing out. Livestock were doing well on abundant seasonal range. Main farm and ranch activities included haying, weed and pest control, fertilizing, irrigation, equipment maintenance, and livestock movement.

NEW ENGLAND: Days suitable for fieldwork 6.7. Topsoil moisture 11% very short, 47% short, and 42% adequate. Subsoil moisture 13% very short, 33% short, and 54% adequate. Pasture conditions 3% very poor, 11% poor, 41% fair, 37% good, and 8% excellent. Maine Potatoes condition 25% fair, 63% good, and 12% excellent. Massachusetts Potatoes were <5% harvested, 0% 2010, 0% average; condition 4% poor, 31% fair, and 65% good. Rhode Island Potatoes <5% harvested, 0% 2010, <5% average; condition 30% fair and 70% good. Maine Oats condition 22% fair, 75% good, and 3% excellent. Maine Barley condition 13% fair, 83% good, and 4% excellent. Field Corn 100% emerged, 100% 2010, 99% average; condition 5% very

poor, 12% poor, 33% fair, 45% good, and 5% excellent. Sweet Corn 99% planted, 100% 2010, 100% average; 99% emerged, 100% 2010, 99% average; 15% harvested, 20% 2010, 10% average, condition 6% poor, 28% fair, 63% good, and 3% excellent. Broadleaf Tobacco 0% harvested, 5% 2010, <5% average, condition 4% poor, 20% fair, and 76% good. Shade Tobacco 20% harvested, 20% 2010, 15% average; condition 18% fair and 82% good. First Crop Hay 95% harvested, 95% 2010, 90% average. Second Crop Hay was 30% harvested, 55% 2010, 30% average; condition 7% poor, 32% fair, 60% good, and 1% excellent. Apple set of fruit 11% below average, 85% average, and 4% above average; size of fruit was 5% below average, 92% average, and 3% above average; condition 1% very poor, 17% fair, 81% good, and 1% excellent. Peaches 10% harvested, 10% 2010, 10% average; set of fruit was 4% below average, 95% average, and 1% above average; size of fruit was 100% average; condition 6% poor, 24% fair, and 70% good. Pears set of fruit was 2% below average, 97% average, and 1% above average; size of fruit was 100% average; condition 5% fair and 95% good. Strawberries 90% harvested, 99% 2010, 99% average. Massachusetts Cranberries set of fruit 61% average and 39% above average; size of fruit was 84% average and 16% above average; condition 9% fair, 65% good, and 26% excellent. Highbush Blueberries 25% harvested, 35% 2010, 25% average; set of fruit was 2% below average, 92% average, and 6% above average; size of fruit was 3% below average, 92% average, and 5% above average; condition 20% fair, 69% good, and 11% excellent. Maine Wild Blueberry set of fruit 16% below average, 57% average, and 27% above average; size of fruit was 35% below average and 65% average; condition 17% poor, 50% fair, and 33% good. New Englanders experienced an extremely warm week. Every day, most locations had temperatures that were above the average. Monday and Tuesday were partly cloudy with few isolated showers. Temperatures were in the low to upper 80s. Wednesday and Thursday the wind picked up, but the sun was out and temperatures climbed steadily into the 80s and 90s. Friday turned blistering as temperatures reached the mid-90s to low 100s with record high temperatures at some locations. Conditions were partly cloudy to sunny across the region. The weekend was slightly cooler with temperatures in the mid-80s to mid-90s and some rain showers were experienced Sunday morning. Farmers were irrigating when it was available, harvesting berries, some early vegetables, and garlic, cutting hay, weeding, scouting for pests, cultivating, spraying, and fertilizing.

NEW JERSEY: Days suitable for field work 6.90. Topsoil moisture 10% very short, 34% short, 56% adequate. Subsoil moisture 4% very short, 25% short, 71% adequate. Pasture and Range condition 5% very poor, 10% poor, 59% fair, 26% good. This week was especially dry with minimal precipitation. Temperatures were above normal across the Garden State. The hot dry weather resulted in a significant decrease to soil moisture supplies. Farmers have noted that crops continue to look good, but require rainfall. In order to combat the dry weather farmers are irrigating their fields. Farmers continue to maintain normal field operations, despite the excessive heat.

NEW MEXICO: Days suitable for fieldwork 6.9. Topsoil moisture 65% very short, 30% short and 5% adequate. Wind damage 15% light and 11% moderate. Alfalfa 1% very poor, 5% poor, 45% fair, 34% good and 15% excellent; third cutting 94% complete; fourth cutting 12% complete. Corn 1% very poor, 16% poor, 48% fair, 26% good and 9% excellent; 65% silked. Cotton 8% very poor, 30% poor, 26% fair, 14% good and 22% excellent; 85% squaring; 34% setting bolls. Total sorghum 31% very poor, 19% poor, 44% fair and 6% good; 1% headed. Peanuts 8% poor, 86% fair and 6% good; 45% pegging. Chile 2% poor, 63% fair, 18% good and 17% excellent; 37% light and 63% average pod set. Onions 77% harvested. Pecans 1% poor, 8% fair and 91% good. Cattle 17% very poor, 39% poor, 30% fair, 13% good and 1% excellent. Sheep 27% very poor, 40% poor, 22% fair and 11% good. Range and pasture 54% very poor, 35% poor, 10% fair and 1% good. Showers and thunderstorms developed over the western and central mountains into northeast part of the state this past week. The highest accumulations were reported at Animas with 1.81 inches and Capulin with 1.22 inches. Everywhere else across the state was below one-half of an inch and parts of the far eastern of the state had zero precipitation.

NEW YORK: Days suitable for fieldwork 6.8. Soil moisture 35% short, 38% short, 27% adequate. Pasture conditions 7% very poor, 25% poor, 35% fair, 29% good, 4% excellent. Corn condition 13% poor, 33% fair, 47% good, 7% excellent. Soybean condition 12% poor, 34% fair, 48% good, 6% excellent. Hay condition 9% poor, 34% fair, 50% good, 7% excellent. First cuttings of alfalfa 99% complete. Second cut alfalfa 82% complete. First cut clover-timothy 98% complete, 97% average. Second cut clover-timothy 63% complete. Grass silage 99% complete. Dry beans 99% planted. Winter wheat 88% harvested, 64% 2010. Oats 5% harvested, 15% 2010. Potatoes 10% harvested, 4% 2010. Onion 5% harvested; condition 5% poor,

10% fair, 85% good. Sweet corn 12% harvested, 14% 2010; conditions 10% poor, 22% fair, 6% good, 4% excellent. Snap beans 99% planted, 96% 2010; 9% harvested, 13% 2010; conditions 16% poor, 34% fair, 46% good, 4% excellent. Cabbage 10% harvested, 20% 2010; conditions 43% poor, 36% fair, 20% good, 1% excellent. Apple harvest 6% complete; condition 2% poor, 21% fair, 72% good, 5% excellent. Grape condition 5% fair, 91% good, 4% excellent. Peach harvest 38% complete; condition 16% poor, 17% fair, 54% good, 13% excellent. Sweet cherries 99% harvest complete; condition 11% poor, 14% fair, 60% good, 15% excellent. Tart cherry harvest 91% complete; condition 2% poor, 3% fair, 71% good, 24% excellent. Precipitation was below average for most of the state, but still above the seasonal average. Temperatures averaged well above normal, ranging from 104 to 55 degrees.

NORTH CAROLINA: Days suitable for field work 6.4. Soil moisture 21% very short, 38% short, 40% adequate and 1% surplus. The state received below normal precipitation and average temperatures last week. Activities for the week included the harvesting of peaches, Irish potatoes and the second cutting of hay. Many areas have also started to harvest flue-cured tobacco, apples and corn for silage. High temperatures coupled with minimal rain in most areas throughout the state have reduced topsoil moisture to very low levels.

NORTH DAKOTA: Days suitable for fieldwork 5.2. Topsoil moisture 3% short, 63% adequate, 34% surplus. Subsoil moisture 2% short, 58% adequate, 40% surplus. Durum 81% jointed, 100% 2010, 99% avg.; 67% boot, 93% 2010, 95% avg.; 41% headed, 83% 2010, 86% avg.; 10% milk, 36% 2010, 53% avg.; condition 2% poor, 22% fair, 62% good, 14% excellent. Canola 92% blooming, 100% 2010, 98% avg.; 7% turning, 25% 2010, 32% avg.; condition 3% poor, 22% fair, 59% good, 16% excellent. Dry edible beans 55% blooming, 82% 2010, 74% avg.; 5% setting pods, 28% 2010, 31% avg.; condition 1% very poor, 7% poor, 34% fair, 47% good, 11% excellent. Dry edible peas 85% flowering, 100% 2010, 100% avg.; 2% mature, 23% 2010, 47% avg.; condition 3% poor, 36% fair, 55% good, 6% excellent. Flaxseed 53% blooming, 86% 2010, 91% avg.; 5% turning, 4% 2010, 16% avg.; condition 2% poor, 18% fair, 66% good, 14% excellent. Potatoes 84% blooming, 99% 2010, 91% avg.; 33% rows filled, 74% 2010, 58% avg.; condition 3% very poor, 8% poor, 35% fair, 43% good, 11% excellent. Broad leaf and wild oats spraying 96% complete and 96% complete, respectively. Stockwater supply 1% short, 57% adequate, 42% surplus. Pasture and range condition 1% very poor, 4% poor, 13% fair, 47% good, 35% excellent. Hay condition 3% very poor, 6% poor, 13% fair, 55% good, 23% excellent. Alfalfa hay first cutting 90% complete and second cutting 8% complete. Other hay cut 56% complete. Crops across the state continued to benefit from above normal temperatures and precipitation this week. Though some areas have seen increased disease and insect activity, conditions for all crops remained mostly good to excellent. Other activities during the week included spraying pesticides, cutting hay, and equipment maintenance.

OHIO: Days suitable for fieldwork 6.0. Top soil moisture 15% very short, 29% short, 54% adequate, 2% surplus. Apple condition 2% very poor, 9% poor, 28% fair, 53% good, 8% excellent. Corn condition 3% very poor, 12% poor, 37% fair, 39% good, 9% excellent. Hay condition 2% very poor, 11% poor, 34% fair, 47% good, 6% excellent. Livestock condition 1% very poor, 6% poor, 25% fair, 57% good, 11% excellent. Oat condition 1% very poor, 7% poor, 52% fair, 38% good, 2% excellent. Peach condition 1% very poor, 8% poor, 29% fair, 54% good, 8% excellent. Range and Pasture condition 4% very poor, 13% poor, 33% fair, 43% good, 7% excellent. Soybean condition 2% very poor, 3% poor, 39% fair, 44% good, 7% excellent. Corn silked (tasseled) 30%, 90% 2010, 69% avg. Soybeans blooming 40%, 77% 2010, 72% avg.; setting pods 5%, 33% 2010, 20% avg. Winter wheat 99% harvested, 95% 2010, 100% avg. Oats 99% headed, 95% 2010, 100% avg.; ripe 69%, 92% 2010, 76% avg.; 37% harvested, 45% 2010, 27% avg. Alfalfa hay 2nd cutting 81%, 91% 2010, 84% avg.; 3rd cutting 9%, 24% 2010, 14% avg. Other hay 2nd cutting 59%, 71% 2010, 60% avg. Summer Apples 35% harvested, 49% 2010, 37% avg. Peaches 34% harvested, 52% 2010, 28% avg. Cucumbers 20% harvested, 39% 2010, 22% avg. Potatoes 2% harvested, 12% 2010, 4% avg.

OKLAHOMA: Days suitable for fieldwork 6.3. Topsoil moisture 89% very short, 11% short. Subsoil moisture 84% very short, 15% short, 1% adequate. Wheat plowed 78% this week, 76% last week, 81% last year, 74% average. Rye plowed 79% this week, 69% last week, 88% last year, 76% average. Oats plowed 77% this week, 74% last week, 91% last year, 76% average. Corn condition 37% very poor, 29% poor, 30% fair, 4% good; silking 96% this week, 94% last week, 99% last year, 89% average; dough 64% this week, 46% last week, 60% last year, 50% average; dent 19% this week, n/a last week, n/a last year, n/a average. Soybeans condition 31% very poor, 27% poor, 31% fair, 11% good; blooming 52% this week, 37% last week, 51% last year,

47% average; setting pods 7% this week, n/a last week, n/a last year, n/a average. Peanuts setting pods 86% this week, 80% last week, 84% last year, 85% average. Cotton emerged 79% this week, 77% last week, 100% last year, 100% average. Alfalfa condition 53% very poor, 30% poor, 15% fair, 2% good; 2nd cutting 87% this week, 86% last week, 99% last year, 98% average; 3rd cutting 17% this week, 14% last week, 80% last year, 71% average. Other hay condition 56% very poor, 26% poor, 16% fair, 2% good; 1st cutting 86% this week, 82% last week, 89% last year, 85% average; 2nd cutting 9% this week, n/a last week, 19% last year, 14% average. Watermelon harvested 55% this week, 49% last week, 47% last year, 50% average. Livestock condition 10% very poor, 22% poor, 41% fair, 26% good, 1% excellent. Pasture and range condition 53% very poor, 31% poor, 14% fair, 2% good. Livestock; Prices for feeder steers less than 800 pounds averaged \$134 per cwt. Prices for heifers less than 800 pounds averaged \$126 per cwt. Livestock conditions were rated mostly in the good to fair range.

OREGON: Days suitable for fieldwork 6.2. Topsoil moisture 6% very short, 34% short, 58% adequate, 2% surplus. Subsoil moisture 2% very short, 28% short, 65% adequate, 5% surplus. Alfalfa hay, first cutting 98%, 100% 2010, 100% avg.; second cutting 15%, 64% 2010, 77% average. Winter wheat, 7% harvested, 18% 2010, 37% average. Spring wheat, 86% headed, 97% 2010, 99% average. Winter wheat condition 0% very poor, 3% poor, 17% fair, 60% good, 20% excellent. Spring wheat condition 0% very poor, 1% poor, 17% fair, 61% good, 21% excellent. Barley condition 0% very poor, 0% poor, 25% fair, 55% good, 20% excellent. Corn condition 0% very poor, 1% poor, 28% fair, 70% good, 1% excellent. Range and Pasture 6% very poor, 9% poor, 27% fair, 49% good, 9% excellent. Weather. Most areas in the State received a little precipitation early in the week which was followed by warmer and drier conditions. Low temperatures ranged from 33 degrees in Christmas Valley to 53 degrees in Medford. High temperatures ranged from 66 degrees in Crescent City to 101 degrees in Rome. The average temperature across the State of 63.8 degrees was four degrees below normal. The average precipitation level was only 0.12 inches above normal this week with an average across the State of 0.25 inches. There were 34 of the 43 stations that reported a measurable amount of precipitation. Roseburg reported the highest amount of precipitation of 1.09 inches, followed by Grants Pass with 0.71 inches. Field Crops Klamath County reported a second cutting of hay, and Jackson County was ready for a second cutting of alfalfa. There was concern in the Willamette Valley for mold and sprout. Winter wheat fields looked good in Central Oregon, but there was some evidence of stripe rust. Clover mites had caused damage in Deschutes County. Sherman County reported grain crops were too damp to harvest, and that it has been the fewest number of bushels ever harvested for the County in July. Vegetables; Vegetable crops were doing well with the warmer temperatures and precipitation. Weeding and cultivation still needed to be done. Turnips had been harvested in Linn/Benton counties with reported low yields. Squash, cucumbers, and tomatoes were finally growing in Washington County. Late planted sweet corn had caught up to early planted sweet corn. Fruits and Nuts; Orchard crops remained about two weeks behind normal developmental stages in Yamhill County. Growers were adjusting insect control sprays accordingly. Douglas County reported much more infestation in cherry and berry crops by the Spotted Wing Drosophila. Rain cracked many cherries causing substantial damage to some cherry orchards. Cherry harvest was well underway in the lower Hood River Valley. Hand thinning of apples and routine summer orchard operations continued throughout the lower Hood River Valley. Grapes were forming quickly and plentifully in Josephine County. Strawberry season was late in Linn County and Benton County, but strawberry harvest was winding down in Washington County. Raspberries and blackberries were being harvested. Blueberries were turning blue in Lane County and being harvested in Washington County and Josephine County. Fruit crops in Jackson County were a bit late; quality looked good but quantity may be down this year. Nurseries and Greenhouses; Greenhouses continued summer cleanup and fall planting will begin soon. Most plants have been sold and low hoop houses were removed from new starts. Nurseries continued busy with new starts, watering and feeding of current stock. Livestock, Range and Pasture; Livestock were being moved to irrigated pastures or higher elevations where available. Summer weather continued to reduce dryland range and pasture quality. Livestock were still in good condition.

PENNSYLVANIA: Days suitable for fieldwork 7. Soil moisture 58% very short, 34% short, 8% adequate, and 0% surplus. Corn silked 58%, 71% pr. yr., 61% 5-yr. avg. Corn Height, 70 inches, 74 inches pr. yr., 74 inches avg. Winter wheat 99% harvested, 89% pr. yr., 93% 5-yr. avg. Oats 97% headed, 99% pr. yr., 100% 5-yr. avg.; yellow 55%, 95% pr. yr., 86% 5-yr. avg.; ripe 17%, 67% pr. yr., 43% 5-yr. avg.; harvest

9% complete, 38% pr. yr., 19% 5-yr. avg. Alfalfa second cutting, 95%, 95% pr. yr., 88% avg. Alfalfa third cutting 21%, 46% pr. yr., 25% 5-yr. avg. Timothy/Clover second cutting, 39%, 59% pr. yr., 39% 5-yr. avg. Peach 20% harvest, 34% pr. yr., 25% 5-yr. avg. Apple 10% harvest, 11% pr. yr., 8% 5-yr. avg. Corn condition 7% very poor, 23% poor, 42% fair, 23% good, 5% excellent. Oats condition 6% very poor, 26% poor, 28% fair, 38% good, 2% excellent. Soybean condition 2% very poor, 12% poor, 39% fair, 39% good, 8% excellent. Timothy/Clover condition 4% very poor, 5% poor, 28% fair, 60% good, 3% excellent. Quality of Hay made 2% very poor, 6% poor, 21% fair, 31% good, 40% excellent. Pasture condition 45% very poor, 17% poor, 24% fair, 14% good, 0% excellent. Peaches condition 0% very poor, 0% poor, 5% fair, 51% good, 44% excellent. Apples condition 6% very poor, 11% poor, 17% fair, 53% good, 13% excellent.

SOUTH CAROLINA: Days suitable for fieldwork 6.7. Soil moisture 39% very short, 50% short, 11% adequate, 0% surplus. Corn 49% very poor, 30% poor, 15% fair, 6% good, 0% excellent. Soybeans 13% very poor, 30% poor, 38% fair, 18% good, 1% excellent. Oats 1% very poor, 3% poor, 18% fair, 72% good, 6% excellent. Tobacco 11% very poor, 17% poor, 33% fair, 38% good, 1% excellent. Livestock condition 7% very poor, 13% poor, 42% fair, 37% good, 1% excellent. Corn silked (tasseled) 100%, 100% 2010, 99% avg.; doughed 92%, 88% 2010, 81% avg.; 36% matured, 26% 2010, 17% avg. Soybeans 100% emerged, 100% 2010, 100% avg.; bloomed 42%, 41% 2010, 33% avg.; pods set 3%, 16% 2010, 10% avg. Winter wheat 100% harvested, 100% 2010, 100% avg. Oats 100% headed, 100% 2010, 100% avg.; 100% harvested, 100% 2010, 100% avg. Tobacco 37% harvested, 38% 2010, 31% avg. Hay other hay 89%, 87% 2010, 75% avg. Peaches 75% harvested, 62% 2010, 62% avg. Snapbeans, fresh harvested 95%, 96% 2010, 99% avg. Watermelons 92% harvested, 91% 2010, 88% avg. Tomatoes, fresh harvested 96%, 98% 2010, 97% avg. Cantelopes 89% harvested, 87% 2010, 89% avg. The trend of unrelenting heat and very little rainfall continued during the week ending July 24th, 2011. Very isolated thunderstorms provided some relief to areas lucky enough to receive any rain. On Thursday, Marlboro County recorded a high of 104 degrees. Charleston did not drop below 83 degrees at any point on Friday. Weekend temperatures were measuring 100 degrees in the shade over the weekend, with Columbia reaching a high of 107 on Friday and 104 on Saturday. Sunday provided no relief as Conway measured a high of 101. Heat indices measured well above these temperatures. Soil moisture levels suffered and were reported at 39% very short, 50% short and 11% adequate. The State average temperature for the seven-day period was six degrees above normal. The State average rainfall was 0.2 inches, causing further stress on already moisture-depleted crops. There was an average of 6.7 days suitable for fieldwork. Ninety-two percent of corn had doughed while 36% of the crop had completed maturation. Eighty-two percent of the cotton crop had squared and 43% had set bolls by the end of the week. Seventy percent of peanuts had pegged, continuing to lag far behind historical figures. Soybean emergence was completed with 42% of the crop blooming by the end of the week. Soybeans were just beginning to set pods with 3% completed by the end of the week. Kudzu bugs were beginning to take a toll on the soybean crop. Tobacco harvest continued with 37% of the crop harvested. Ninety-five percent of snapbeans had been harvested, 4 points behind the five-year average. Peach harvest was 75% completed, continuing to exceed the five-year average as well as last year's mark. Eighty-nine percent of cantelopes and 92% of watermelons had been harvested. Tomato harvest was 96% complete.

SOUTH DAKOTA: Days suitable for fieldwork 6.4. Topsoil moisture 1% very short, 17% short, 63% adequate, 19% surplus. Subsoil moisture 1% very short, 10% short, 62% adequate, 27% surplus. Winter wheat turning color 99%, 100% 2010, 100% avg.; ripe 75%, 94% 2010, 86% avg.; 1% poor, 19% fair, 63% good, 17% excellent. Barley 87% headed, 100% 2010, 100% avg.; turning color 29%, 89% 2010, 86% avg.; ripe 4%, 22% 2010, 32% avg.; 0% harvested, 7% 2010, 8% avg.; 1% poor, 29% fair, 60% good, 10% excellent. Oats turning color 59%, 90% 2010, 88% avg.; ripe 25%, 47% 2010, 50% avg. Spring wheat turning color 62%, 90% 2010, 86% avg.; ripe 7%, 44% 2010, 39% avg.; 0% harvested, 5% 2010, 12% avg. Corn cultivated or sprayed twice 91%, 80% 2010, 89% avg.; tasseled 60%, 70% 2010, 57% avg. Sunflower blooming 5%, 8% 2010, 8% avg.; 1% poor, 21% fair, 67% good, 11% excellent. Alfalfa hay 1st cutting harvested 95%, 99% 2010, 99% avg.; 2nd cutting harvested 56%, 54% 2010, 62% avg.; 1% very poor, 3% poor, 15% fair, 63% good, 18% excellent. Other hay harvested 73%, 77% 2010, 80% avg. Feed supplies 86% adequate, 14% surplus. Stock water supplies 2% short, 73% adequate, 25% surplus. Cattle condition 1% very poor, 11% poor, 11% fair, 72% good, 15% excellent. Sheep condition 2% poor, 11% fair, 69% good, 18% excellent. The hot, humid week pushed the crop progress along, but was hard on livestock. Producer's stayed busy this

week; spraying weeds, scouting for pest, hauling grain, haying, harvesting wheat, and trying to protect livestock from the heat.

TENNESSEE: Days suitable for fieldwork 6. Topsoil moisture 6% very short, 27% short, 64% adequate, 3% surplus. Subsoil moisture 4% very short, 23% short, 71% adequate, 2% surplus. Pastures 1% very poor, 8% poor, 30% fair, 50% good, 11% excellent. Tobacco 29% topped, 27% 2010, 27% avg.; 3% poor, 21% fair, 61% good, 15% excellent. Temperatures averaged several degrees above normal over all of Tennessee last week. Rainfall averaged below normal across the state. A high pressure system positioned over Tennessee prevented widespread rainfall this week; however, crops received some relief from afternoon and evening rainfall. Crops remain in mostly good condition, especially for late July. Crops were beginning to show stress at week's end from the extreme temperatures and inadequate moisture. Soybeans are blooming and setting pods at a pace about a week to ten days behind the five-year average. Cotton is setting bolls at a pace almost a week behind the five-year average. Field activities this week included spraying for insect and disease control, topping tobacco, and harvesting hay.

TEXAS: Areas of the Northern High Plains and South East Texas received up to 5 inches of rainfall, the Trans-Pecos and the Edwards Plateau received up to 3 inches of rainfall, while the rest of the state observed scattered showers. Row Crops Producers rotated irrigation from corn to cotton to prepare for cotton setting bolls in areas of the Plains. Corn suffered due to increasing mite populations while hail damaged cotton in areas of the Northern High Plains. Cotton progressed well in areas of the High Plains due to cooler night temperatures and milder windy conditions. Dry-land corn was harvested for silage in areas of the Southern High Plains. In areas of the Southern Low Plains, irrigated cotton progressed well; however, dry-land cotton was stressed due to drought conditions. Cotton squared and set bolls in areas of the Trans-Pecos. Soybeans turned color in areas of the Blacklands. Corn harvest was in full-swing in areas of the Blacklands, South East Texas, and the southern part of the state. Producers abandoned sorghum fields in areas of the Edwards Plateau due to drought stress. Cotton harvest was in full-swing in areas of the Coastal Bend and the Lower Valley. Irrigated peanuts were pegging in areas of South Texas. Fruit, Vegetable and Specialty Crop Report; Pecan nut-growth was active and entered the water stage in areas of the Trans-Pecos. Livestock, Range and Pasture Report; In most areas of the state, cattle and calves were sold due to lack of quality forage, while ground water continued to decline due to drought conditions. Goat herd liquidation and kid weaning was active in areas of the Trans-Pecos. Grasshoppers continued to damage crops and rangeland in areas of North East Texas. Hay supplies were short and pasture conditions continued to decline in most areas, although pasture conditions and hay fields improved in areas that received scattered thunderstorms.

UTAH: Days suitable for field work 7. Subsoil moisture 0% very short, 17% short, 82% adequate, 1% surplus. Irrigation water supplies 0% very short, 9% short, 75% adequate, 16% surplus. Winter wheat 11% harvested, 12% 2010, 21% avg.; condition 1% very poor, 3% poor, 30% fair, 50% good, 16% excellent. Spring wheat 87% headed, 100% 2010, 97% avg.; 0% harvested, 0% very poor, 5% poor, 17% fair, 58% good, 20% excellent. Barley 94% headed, 100% 2010, 99% avg.; harvested (grain) 7%. Barley condition 0% very poor, 2% poor, 10% fair, 78% good, 10% excellent. Oats 86% headed, 88% 2010, 89% avg.; harvested for Hay or Silage 49%, 65% 2010, 72% avg. Corn silked (tasseled) 5%, 17% 2010, 28% avg.; condition 1% very poor, 8% poor, 36% fair, 47% good, 8% excellent. Alfalfa hay 2nd cutting 41%, 46% 2010, 59% avg. Other hay cut 88%, 85% 2010, 79% avg. Cattle and calves condition 0% very poor, 1% poor, 10% fair, 81% good, 8% excellent. Sheep condition 0% very poor, 1% poor, 9% fair, 78% good, 12% excellent. Stock water supplies 0% very short, 4% short, 89% adequate, 7% surplus. Apricots 43% harvested, 45% 2010, 75% avg. Sweet cherries 59% harvested, 82% 2010, 87% avg. Tart Cherries 30% harvested, 30% 2010, 55% avg. Agricultural Summary Days suitable for field work averaged 6.8. Summer heat and sporadic afternoon thunderstorms were the main weather events last week. Soil Moisture content decreased from the previous week. Topsoil moisture content was rated 1 percent very short, 27 percent short and 72 percent adequate. Field Crops Summary. In Box Elder County corn is in good condition and growing rapidly due to hot weather and an abundance of irrigation water. Farmers have been busy cutting and baling the second cutting of alfalfa. Bailed alfalfa appears to be good quality and is expected to sell at a high price. Some of the early planted safflower in the county is beginning to flower. Safflower condition varies greatly from field to field. Wheat harvest has begun on some dryland farms. Harvest should be in full swing within the next couple of weeks. Yields so far appear to be good. Grain in Weber County is maturing rapidly. Winter wheat harvest is expected to begin

next week. Temperatures in Carbon County are finally conducive for crop growth. The first cutting of hay is complete; most hay was removed from fields in good condition. There have been some sporadic rains, but they have generally not been significant enough to cause problems with the hay harvest. Summit County farmers continued to irrigate crops. Cutting and baling grass hay continued in various parts of the county. Beaver County farmers reported a bumper crop of grass this year; however, grasshoppers and Mormon crickets continue to damage fields. Livestock Summary. Livestock across Utah are mostly in good condition for this time of year. One producer in Box Elder County reported a few calves on rangeland with pneumonia due to temperature swings. Some high elevation summer rangeland may not be usable this summer due to excess snow and water. Producers in Tooele County are spraying insecticides in order to control the grasshopper population on rangeland in Skull Valley.

VIRGINIA: Days suitable for fieldwork 6.5. Topsoil moisture 10% very short, 43% short, 45% adequate, 2% surplus. Subsoil moisture 11% very short, 38% short, 50% adequate, 1% surplus. Pasture 4% very poor, 18% poor, 33% fair, 42% good, 3% excellent. Livestock 1% very poor, 7% poor, 22% fair, 53% good, 17% excellent. Other hay 4% very poor, 15% poor, 25% fair, 47% good, 9% excellent. Alfalfa hay 7% poor, 19% fair, 62% good, 12% excellent. Corn silked 83%; 86% 2010; 84% 5-yr avg. Corn dough 30%; 39% 2010; 40% 5-yr avg.; dent 7%, 15% 2010; 9% 5-year avg.; 1% very poor, 6% poor, 25% fair, 53% good, 15% excellent. Soybeans blooming 41%; 35% 2010; 32% 5-yr avg.; setting pods 9%; 6% 2010; 5% 5-yr avg.; 11% poor, 23% fair, 57% good, 9% excellent. Tobacco Flue-cured 1% poor, 34% fair, 43% good, 22% excellent. Tobacco Burley 1% poor, 20% fair, 66% good, 13% excellent. Tobacco Dark fire-cured 2% poor, 66% fair, 29% good, 3% excellent. Peanuts Pegged 75%; 51% 2010; 74% 5-yr avg. Peanuts 31% fair, 51% good, 18% excellent. Cotton squaring 95%; 79% 2010; 88% 5-yr avg.; setting bolls 50%; 54% 2010; 56% 5-yr avg.; 13% fair, 66% good, 21% excellent. Summer Potatoes harvested 75%; 86% 2010; 64% 5-yr avg.; 50% fair, 50% good. Summer Apples 33% harvested; 40% 2010; 28% 5-yr avg. Apples All 2% poor, 13% fair, 69% good, 16% excellent. Peaches 38% harvested; 45% 2010; 37% 5-yr avg.; 9% poor, 23% fair, 60% good, 8% excellent. Grapes 9% poor, 12% fair, 77% good, 2% excellent. Oats 92% harvested, 7% poor, 26% fair, 66% good, 1% excellent. Dry weather stressed crops in many areas throughout the week but sporadic storms over the weekend in some areas of Virginia provided much needed moisture to the crops. Temperatures in some areas were around 100 degrees and there were some reports of livestock deaths as a result. Due to the extreme heat, the soybean crop had begun to wilt as topsoil moisture has been significantly depleted. Corn silage harvest has begun in some areas. Farmers continued to monitor cotton fields for insects and applied herbicides to soybean and fungicides to the peanut crop. Vegetable farmers continued to harvest tomatoes, peppers, sweet corn, and melons.

WASHINGTON: Days suitable for fieldwork 5.9. Winter wheat harvest remained at least 2 weeks behind statewide. Walla Walla, Whitman, Franklin, and Benton Counties harvested about 5 percent of their winter wheat. Most counties were still many weeks away from any spring grain harvest. Intermittent thunderstorms were a major problem for hay producers in northeastern counties, who were struggling to finish the first cutting of alfalfa. Corn for silage was still behind its normal growth in western counties. In the Yakima Valley, blueberry and raspberry harvest continued and field workers started color picking peach and nectarine crops. Fruit cracking remains a concern for the later maturing cherry varieties and production areas. Up until now, the cherry crop was extraordinarily clean of problems and of top quality. In Chelan County, the sweet cherry harvest was 60 percent complete. Many apple and pear varieties were measuring between 2 to 2.5 inches in diameter in Yakima County with the red varieties beginning to color up. Sweet corn, zucchini, and finally tomatoes were available at roadside stands. A couple of days of steady rain in Whatcom County caused molding on the raspberries which affected the quality. Range and pasture conditions 3% poor, 13% fair, 52% good and 32% excellent. Dairy producers took advantage of warm temperatures at the end of the week to cut and bale hay in Thurston County. Oyster seeding operations by shellfish growers were completed in Pacific County, with seed bags set on intertidal ground. Clam substrate modification efforts continued.

WEST VIRGINIA: Days suitable for field work 6. Topsoil moisture 3% very short, 30% short, 64% adequate, and 3% surplus compared to

15% very short, 34% short, 49% adequate, and 2% surplus last year. Corn conditions 2% very poor, 4% poor, 19% fair, 72% good, and 3% excellent; silked 55%, 66% in 2010, 46% 5-yr avg.; doughing 3%, 8% in 2010, 5-year avg. comparison data not available. Soybeans conditions 1% poor, 12% fair, 86% good, and 1% excellent; 46% blooming, 55% in 2010, and 46% 5-year avg.; setting pods 17%, 25% in 2010, and 5-year avg. comparison data not available. Winter wheat was 90% harvested, comparison data not available. Hay 2% very poor, 4% poor, 20% fair, 65% good and 9% excellent; second cutting 32% complete, 24% in 2010, and 21% 5-year avg. Apple conditions 7% poor, 41% fair, 51% good, and 1% excellent. Peaches 7% poor, 33% fair, 59% good, and 1% excellent; 32% harvested, comparison data not available. Cattle and calves were 3% poor, 14% fair, 74% good, and 9% excellent. Sheep and lambs were 3% poor, 13% fair, 81% good, and 3% excellent. Extreme heat and scarce rain dried out croplands but allowed for relief in humidity until the end of the week. Some cattle have been shipped already due to short pastureland. Intense rain at the end of the week caused floods in some areas, hindering hay harvesting.

WISCONSIN: Days suitable for fieldwork 5.1. Topsoil moisture 4% very short, 20% short, 69% adequate, and 7% surplus. Oats 97% headed, 100% 2010, and 100% 5-yr. avg.; harvested 6%, 23% in 2010, 12% 5-yr. avg.; condition 1% very poor, 3% poor, 16% fair, 63% good, and 17% excellent. Corn average height 69 in., 78 in. 2010, 72 in. 5-yr. avg.; silked 42%, 71% 2010, 43% 5-year avg.; condition 1% very poor, 5% poor, 18% fair, 52% good, 24% excellent. Soybeans 55% blooming, 62% 2010, and 57% 5-yr. avg.; 7% setting pods, 18% 2010, 17% 5-year avg.; condition 2% very poor, 4% poor, 18% fair, 54% good and 22% excellent. Winter wheat condition 1% very poor, 3% poor, 15% fair, 52% good and 29% excellent. Pasture condition 1% very poor, 7% poor, 29% fair, 57% good and 6% excellent. Second Crop Hay 86% harvested, 73% 2010, 76% 5-yr. avg. Above normal temperatures this past week put stress on crops that were short on moisture. All crops received ample heat to aid in growth; however, some reporters stated that too much heat has held crops at a standstill for growth. Many southern and eastern counties remained dry as precipitation was spotty, but western counties received a fair amount of moisture to keep up with the heat. The Madison and Milwaukee reporting stations recorded below normal precipitation for the year. Across the reporting stations, average temperatures last week were 8 to 11 degrees above normal. Average high temperatures ranged from 90 to 92 degrees, while average low temperatures ranged from 69 to 75 degrees. Precipitation totals ranged from 0.18 inches in Green Bay to 2.18 inches in Eau Claire. Growing degree days reached above normal at all reporting stations.

WYOMING: Days suitable for field work 6.80. Topsoil moisture 1% very short, 20% short, 67% adequate, 12% surplus. Barley progress 94% boot, 76% headed, 53% turning color, 18% mature. Oats progress 97% jointed, 85% boot, 64% headed, 21% turning color, 1% mature. Spring wheat progress 95% boot, 47% headed, 19% turning color. Winter wheat progress 96% turning color, 27% mature, 1% harvested. Dry bean progress 48% bloom, 10% setting pods. Corn progress 28% tasseled, 1% silked. Corn avg height 59 inches. Alfalfa harvested, 1st cutting 85%. Alfalfa harvested, 2nd cutting 7%. Other hay harvested 50%. Barley condition 2% poor, 21% fair, 73% good, 4% excellent. Oat condition 25% fair, 72% good, 3% excellent. Spring wheat condition 28% fair, 59% good, 13% excellent. Winter wheat condition 2% poor, 26% fair, 71% good, 1% excellent. Corn condition 21% fair, 78% good, 1% excellent. Dry bean condition 45% fair, 52% good, 3% excellent. Sugar beet condition 37% fair, 60% good, 3% excellent. Alfalfa condition 2% poor, 15% fair, 77% good, 6% excellent. Other hay condition 1% poor, 18% fair, 78% good, 3% excellent. Livestock condition 9% fair, 77% good, 14% excellent. Range and pasture condition 4% poor, 16% fair, 69% good, 11% excellent. Irrigation water supplies 1% short, 94% adequate, 5% surplus. Wyoming joined other areas in the U.S. enduring above normal temperatures, as summer's heat and drying conditions were seen across most of the state. Weston County reported several lightning caused fires with one continuing to burn. The Whoop Up Fire, as it has been named, has burned approximately 10,000 acres thus far. On the other hand, Carbon County reported haying issues due to rain received early in the week. Grasshopper infestations are on the rise and becoming a concern in Hot Springs and Converse counties. Activities checking livestock, fencing, haying.