

# Weekly Weather and Crop Bulletin State Stories

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**ALABAMA:** Days suitable for fieldwork 6.0. Topsoil 1% very short, 4% short, 80% adequate, 15% surplus. Corn 100% dough, 97% 2002, 77% avg.; 93% dented, 84% 2002, 90% avg.; 67% mature, 57% 2002, 71% avg.; 13% harvested, 32% 2002, 30% avg.; 0% very poor, 3% poor, 8% fair, 43% good, 46% excellent. Soybeans 85% blooming, 94% 2002, 89% avg.; 60% setting pods, 75% 2002, 72% avg.; 0% very poor, 1% poor, 9% fair, 61% good, 29% excellent. Pasture feed 0% very poor, 2% poor, 10% fair, 61% good, 27% excellent. Livestock condition 0% very poor, 2% poor, 17% fair, 59% good, 22% excellent. Dry weather over most of the state allowing field work to progress

**ALASKA:** Days suitable for fieldwork 5.0. Topsoil moisture supplies were reported as 15% short, 75% adequate, 10% surplus. Subsoil moisture supplies were reported as 20% short, 80% adequate. Cooler than normal temperature prevailed last week with daytime high temperatures generally in the sixties. Lows were mostly in the thirties to forties, with temperatures dipping into the mid twenties near Delta Junction. The barley crop 5% harvested, 20% poor, 55% fair, 25% good. The oat crop was 10% ripe, 10% poor, 55% fair, 35% good. Potatoes 10% harvested, 5% poor, 10% fair, 65% good, 20% excellent. Hay 2nd cutting harvest 20% complete, 5% poor, 20% fair, 50% good, 25% excellent.

**ARIZONA:** Temperatures for the State remained above average for the week. Cotton setting bolls was virtually complete. Cotton bolls opening 44%, behind last year's rate of 58%, but equivalent to the five year average. Alfalfa conditions were mostly good to excellent, with harvest progressing at a normal rate. With increased precipitation from the summer monsoons, ranges are showing slight improvement.

**ARKANSAS:** Days suitable for fieldwork 7. Soil Moisture 18% very short, 55% short, 26% adequate, 1% surplus, 100% Dent, 94% 2002, 97% 3-yr avg.; 86% Matured, 70% 2002, 82% 3-yr avg.; 22% Harvested, 11% 2002, 24% 5-yr avg.; 1% very poor, 5% poor, 29% fair, 45% good, 20% excellent. Soybeans 91% Setting Pods, 87% 2002, 82% 5-yr avg.; 13% Yellowing, 11% 2002, 6% 5-yr avg.; 7% Shedding, 4% 2002, 7% 5-yr avg.; 4% very poor, 9% poor, 28% fair, 45% good, 14% excellent. Sorghum 100% heading, 100% 2002, 100% 5-yr avg.; 99% turning color, 90% 2002, 86% 5-yr avg.; 63% Matured, 47% 2002, 36% 5-yr avg.; 18% Harvested, 10% 5-yr avg.; 0% very poor, 7% poor, 38% fair, 48% good, 12% excellent. Cotton 100% setting bolls, 100% 2002, 100% 5-yr avg.; 10% opening bolls, 6% 2002, 20% 5yr avg.; 1% very poor, 5% poor, 33% fair, 42% good, 19% excellent. Rice 98% headed, 97% 2002, 94% 5-yr avg.; 4% Harvested, 1% 2002, 2% 5-yr avg.; 1% very poor, 4% poor, 28% fair, 47% good, 20% excellent. Hay -other: 0% very poor, 25% poor, 29% fair, 41% good, 5% excellent Hay - Alfalfa 0% very poor, 5% poor, 26% fair, 67% good, 2% excellent Pasture, Range 7% very poor, 18% poor, 38% fair, 30% good, 7% excellent. The majority of the state has experienced hot, dry weather again this week. Few areas received scattered showers, however most farmers are in need of rain. Field work slowed down this week due to heat and lack of moisture. Irrigating soybeans, cotton, draining rice, scouting for insects, diseases, preparing equipment for harvests have been the major events of the week. Farmers are applying fungicides, insecticides where needed. Draining has begun in rice fields, harvest has begun for soybeans. Watermelon harvest is drawing to an end, while apples are beginning to be harvested. **LIVESTOCK:** Livestock were reported to be in good condition. In the northwest portion of the state, pastures are declining. Hay harvesting has slowed down. Producers are preparing to plant fall forages.

**CALIFORNIA:** Crop development continued at a steady pace in cotton fields. Early-planted fields showed some bolls opening. Irrigation, pesticide treatments to control aphids, white flies were ongoing in many cotton fields. Some fields were treated with plant growth regulators to advance boll development. Cultivation, leveling, application of soil amendments were underway in some former grain fields destined for fall planting. Other harvested grain fields were left fallow or used for grazing. Alfalfa seed harvesting was underway in several locations. Alfalfa hay continued to be cut, windrowed, baled, stacked, although rain during the week did temporarily stop hay cutting in some areas. Good growing conditions contributed to robust growth in many alfalfa hay fields; irrigation, pest control treatments continued. Corn grown for seed, feed, human consumption was showing rapid growth. Irrigation, treatments to control insect pests continued as needed. Cutting of corn for silage was in full swing. A few fields were being green chopped. Sugar beet harvesting was ongoing. Irrigation, weeding, insecticide applications continued in mature sugar beet fields. Bloom, good pod development continued in dry bean fields. Rice fields were maturing rapidly; plants continued to head out, and fields were being drained in preparation for harvest. Blackbirds, ducks were becoming a problem in a few rice fields. Harvesting of safflower continued. Harvesting in stone fruit orchards continued as late season varieties reached maturity. Varieties picked, packed included Prima peaches, Royal Diamond plums, Moyer prunes, Flavorich pluots, Red Jim nectarines. Granny Smith, Gala apples and Bartlett, Hosui Asian pears were also harvested. Pomegranates showed good color development. Harvesting of the Granada variety was underway. Tree fruit orchards were irrigated, cultivated, treated to control insect pests as necessary. Trays of drying raisins were present in more vineyards as harvesting accelerated. Cultivation, terracing, placement of bins continued as growers prepared to harvest. Picking, packing of table grapes continued. Varieties harvested included Rose Ito and Crimson. Vineyards testing with high sugar content were harvested for grape juice concentrate production. Wine grape harvesting commenced in Tulare County. Irrigation, cultivation, treatments to control insect pests continued in wine, a few table grape vineyards. Fungicides were applied in some grape vineyards due to unexpected rains during the week. Many strawberry fields already prepared for fall planting were ready, waiting for cooler weather. Irrigation, insect, weed control treatments continued in many citrus orchards. Lemons, Valencia oranges were picked, packed. Olive growers continued treatments for olive fruit fly. Almond harvesting was underway in most areas of the San Joaquin Valley. Trees were shaken and fallen nuts were raked into windrows. Herbicide treatments, orchard floor scraping continued in a few almond orchards. Steady crop development continued in walnut, pecan orchards. Growers of early walnut varieties began harvest preparations. Irrigation, treatments to control insect pests were underway as needed. Summer vegetable harvesting continued at a steady pace. Hot weather triggered some irrigation activity. Recent rains were affecting tomatoes with rot, mold. Fungicides continued to be applied to both fresh market, processing tomatoes. Tomato fields received aphid treatments. Melon fields were treated for worms. Lettuce grown for seed had bolted, seed head development continued. Fall cucumber plants were emerging, thriving. Harvesting of onions, garlic, and tomatoes for processing and fresh market use continued. Fields planted for later harvest showed steady progress, were irrigated, weeded. Eggplant, bell peppers, sweet corn were harvested for wholesale distribution. Cantaloupes, honeydews, mixed melons, watermelons were picked and distributed to cooling facilities. Freezer bean harvesting was underway. The following vegetables were also harvested: basil, carrots, cauliflower, celery,

cilantro, lettuce, green onions, okra, parsley, hot peppers, spinach, snap beans. Unseasonable rain benefitted some pastures in Northern state. Fall calving continued in beef cow herds in the central, northern areas. Irrigated pastures were in good condition in most areas. Some of the cattle on dry foothill pastures were receiving protein supplements. Cattle were in good condition. Bees aided pollination in a few late season melon fields. Cooler temperatures at mid-week continued to help milk production

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**COLORADO:** Days suitable for field work 6.5. Top soil 50% very short, 33% short, 17% adequate, 0% surplus. Subsoil 45% very short, 36% short, 19% adequate, 0% surplus. Most areas of state continue to experience very dry conditions. Limited rainfall coupled with above average temperatures have caused crop conditions to deteriorate. Spring wheat 69% harvested, 47% 2002, 49% avg.; 3% very poor, 7% poor, 24% fair, 47% good, 19% excellent. Spring barley 72% harvested, 85% 2002, 68% avg.; 1% very poor, 8% poor, 19% fair, 47% good, 25% excellent. Sunflower 12% very poor, 17% poor, 38% fair, 26% good, 7% excellent. Alfalfa 2nd cutting 85%, 94% 2002, 92% avg, 22% 3<sup>rd</sup> cutting, 30% 2002, 30% avg.; 4% very poor, 8% poor, 28% fair, 42% good, 18% excellent. Dry beans 3% cut, 10% 2002, 6% avg.; 9% very poor, 11% poor, 29% fair, 38% good, 13% excellent. Sugar beets 1% very poor, 4% poor, 22% fair, 46% good, 27% excellent. Summer potatoes 29% harvested, 24% 2002, 31% avg.; 1% very poor, 4% poor, 7% fair, 47% good, 41% excellent. Fall potatoes 6% poor, 26% fair, 52% good, 16% excellent. Dry onions 30% harvested, 31% 2002, 30% avg.; 1% very poor, 5% poor, 15% fair, 47% good, 32% excellent

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**DELAWARE:** Days suitable for fieldwork 5.6. Topsoil 4% short, 72% adequate, 24% surplus. Subsoil 73% adequate and 27% surplus. Corn 2% very poor, 6% poor, 20% fair, 34% good, 38% excellent; 80% dough, 92% 2002, 82% avg.; 21% Dent, 55% 2002, 50% avg.; silage harvested 4%, 47% 2002, 33% avg. Soybean 10% poor, 21% fair, 39% good, 30% excellent; 68% blooming, 84% 2002, 77% avg.; 38% setting pods, 53% 2002, 54% avg. Sorghum 4% poor, 19% fair, 45% good, 32% excellent; headed 70%, 55% 2002, 72% avg. Pasture feed 11% fair, 68% good, 21% excellent. Other hay 3rd cutting 48%, 68% 2002, 72% avg. Alfalfa hay 3rd cutting 66%, 75% 2002, 86% avg.; 4th cutting 10%, 17% 2002, 22% avg. Watermelons harvested 60%, 81% 2002, 70% avg. Lima beans (processed) harvested 10%, 13% 2002, 23% avg. Snap beans harvested 81%, 85% 2002, 75% avg. Sweet corn harvested 67%, 80% 2002, 72% avg. Potatoes harvested 53%, 79% 2002, 69% avg. Cantaloups 66%, 79% 2002, 76% avg. Hay supplies 3% very short, 43% short, 43% adequate, 11% surplus. Hot, humid with a few scattered showers typified weather conditions last week. Most of the corn is through the dough stage, into the dent stage of development. A few fields are being harvested for corn silage. Several soybean fields are setting pods, the condition is fair to good. Warm, sunny weather allowed farmers to make good quality hay. A few farmers are starting a fourth cutting of alfalfa. Harvesting progress was made for melons, snap beans, sweet corn, potatoes, lima beans.

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**FLORIDA:** Topsoil 1% very short, 4% short, 50% adequate, 45% surplus. Subsoil 1% short, 54% adequate, 45% surplus. Temperature average: 1 to 2<sup>o</sup>. below normal, major cities. Daytime highs: 80s, 90s. Nighttime lows: 60s, 70s. Rainfall range: traces to nearly 8.00 in.; 1.00 to 3.00 in. most stations. Peanut 1% very poor, 1% poor, 8% fair, 80% good, 10% excellent. Peanut digging underway, Santa Rosa County; leaf spot, white mold severe in some fields. Cotton: nitrogen shortage in significant acreage, Washington County, caused by leaching, muddy fields preventing fertilizer applications. Armyworms causing serious problems in some Bermuda hay fields; afternoon rain showers interrupting hay making. Rainfall delaying some central, southern Peninsula fall crop vegetable planting. Hot, humid weather returned to citrus areas after tropical wave previous week. All areas received heavier than normal rainfall. Some isolated trees showing stress because of standing water; growers maintaining middles, ditches to keep water moving, spraying between rains. Majority of trees in excellent condition with good fruit sizes reported. Pasture feed 1% very poor, 9% poor, 25% fair, 45% good, 20% excellent. Cattle condition 15% fair, 60% good, 25% excellent. Panhandle, north: armyworms causing serious pasture damage; pastures overgrown; quality of some hay marginal; pasture feed mostly good to excellent; some areas poor to fair because of excessive soil moisture from recent heavy rains. Central, southwest: cattlemen indicate abundance of rain; in areas with flooded pasture, forage quality reduced,

livestock losing weight. Statewide, cattle condition mostly good to excellent.

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**GEORGIA:** Days suitable for field work 5.6. Soil 7% short, 69% adequate, 24% surplus. Corn 30% harvested for grain, 54% 2002, 50% avg. Hay 5% poor, 23% fair, 57% good, 15% excellent. Peanuts 0% dug, 1% 2002, 1% avg. Sorghum 1% very poor, 3% poor, 18% fair, 56% good, 22% excellent; 13% harvested for grain, 10% 2002, 11% avg. Soybeans 96% blooming, 97% 2002, 93% avg. Tobacco 82% harvested, 87% 2002, 80% avg. Apples 1% very poor, 3% poor, 13% fair, 64% good, 19% excellent; 19% harvested, 18% 2002, 15% avg. Pecans 1% very poor, 9% poor, 30% fair, 52% good, 8% excellent. A relatively dry week allowed growers to return to the fields. Crop conditions improved. Producers were able to harvest hay and tobacco with little or no rain interruptions. The quality of hay was poor due to over maturity. Armyworms have appeared in isolated spots. Some pecan groves began to drop nuts due to earlier wet weather. Weather related diseases began to appear in peanuts. The corn crop received some wind damage in south state. Peanuts were sprayed with fungicides for leaf, stem, root diseases as needed. Growers applied fertilizer to cotton. Corn harvesting continued. Growers in central state irrigated more last week than earlier in the year. Activities: Routine care of livestock, poultry, applying herbicide to fields.

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**HAWAII:** Despite a slight weakening at the week's end, the high pressure system north of the State continued to produce moderate to brisk trade winds, generally dry conditions. Scattered showers, a slight increase in cloudiness remained limited to windward, mountain areas. East state banana orchards were in good condition with steady fruit supplies. Lower Puna papaya orchards were making good progress. Vegetables remained in mostly fair to good condition.

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**IDAHO:** Days suitable for fieldwork 6.60. Topsoil 33% very short, 46% short, 21% adequate. Farmers across the state welcomed much needed rain showers this past week. However, weather conditions continue to be dry in many areas of the state, leaving irrigation water supplies scarce. Irrigation Water Supply 16% very poor, 22% poor, 36% fair, 25% good, 1% excellent. Potato Vines Dying/Killed 30%, 16% 2002, 15% avg.; Harvested 1%, 3% 2002, 2% avg.; 0% very poor, 2% poor, 19% fair, 68% good, 11% excellent. Peaches Harvested 53%, 25% 2002, 35% avg. Plums, Prunes Harvested 43%, 9% 2002, 12% avg. Oats Harvested for Grain 49%, 30% 2002, 40% avg. Alfalfa Hay 2<sup>nd</sup> Cutting harvested 94%, 93% 2002, 94% avg.; 3<sup>rd</sup> Cutting Harvested 44%, 38% 2002, 41% avg. Mint Harvested (1<sup>st</sup> cutting) 96%, 74% 2002, 81% avg. Dry Peas Harvested 66%, 47% 2002, 68% avg. Lentils Harvested 76%, 59% 2002, 56% avg. Dry Beans Harvested 7%, 7% 2002, 6% avg. Onions Harvested 5%, 7% 2002, 7% avg. Activities: Irrigating, caring of livestock, weed, pest control, harvesting winter wheat, spring wheat, barley, oats, hay, peaches, prunes, plums, dry peas, lentils, mint, dry beans, potatoes, onions

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**ILLINOIS:** Days suitable for fieldwork 6.9. Topsoil 28% very short, 48% short, 24% adequate. Soybeans 2% Turning Yellow, 5% 2002, 6% avg.; Alfalfa Hay 3rd Crop 77%, 69% 2002, 69% avg. Dry conditions continued to deteriorate crops, pastures across the state last week. Rainfall totals were a mere seven percent of normal with most areas receiving little or no rainfall. Average temperatures were 3<sup>o</sup> warmer than normal. Corn, soybean condition ratings continued their month long decline with significantly lower ratings this week. Corn plants have begun to dry down in many areas as the lack of rainfall is essentially causing the plants to shut down. Farmers are more concerned about their soybeans as that crop is currently trying to set, fill pods. Without adequate rains soon the size of the soybean seed will also be reduced. Spraying soybean fields for spider mites, soybean aphids continued last week mainly in northern state. Farmers used the days suitable for fieldwork last week baling hay, mowing roadsides, preparing equipment for harvest.

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**INDIANA:** Days suitable for fieldwork 6.8. Topsoil 8% very short, 31% short, 59% adequate, 2% surplus. Subsoil 6% very short, 21% short, 70% adequate, 3% surplus. Another week of hot, dry weather placed major crops under stress. Only a few isolated areas received any measurable precipitation. Soils becoming dry, many areas. Corn, soybean condition declined. Aphids in many soybean fields. Farmers continued to spray for insects. Excellent week for cutting, baling hay.

Temperatures averaged 4° below to 6° above normal for the week. Precipitation averaged 0.0 to 0.49 inches. Blue mold in some tobacco fields. Livestock are in mostly good condition, but under some stress from the hot weather. Alfalfa hay 3rd cutting of 51% complete, 52% 2002, 76% avg. Topping of tobacco plants continued. Tobacco harvest 7% complete, 9% 2002, 19% avg. Pastures 3% very poor, 7% poor, 23% fair, 61% good, 6% excellent. Activities: Mowing, baling hay, scouting fields, spraying for weeds, insects, moving grain to market, hauling manure, cleaning out grain bins, mowing waterways, roadsides, repairing equipment, taking care of livestock.

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**IOWA:** Agricultural Summary: Days suitable for fieldwork 6.8.. Topsoil 53% very short, 39% short, 8% adequate, 0% surplus across state. Subsoil 37% very short, 41% short, 22% adequate, 0% surplus Spotty showers were not enough to turn around crop conditions last week in state. Spraying for aphids in soybeans continued across the state, some corn was chopped for silage. Pastures have nearly stopped growing, supplemental feeding of hay to livestock, creep feeding was occurring. Crops have been maturing rapidly due to extremely warm temperatures, dry conditions. Field Crops Report: The corn acreage in or past milk stage was 94% acreage in or past dough stage was 71% , behind last year's progress of 81%, two days behind the 5-year average of 77% dough stage. The corn acreage in or past dent stage was 27%, behind last year's progress of 43%, four days behind the 5-year average of 41% dent stage. The corn acreage in mature stage was 2%, slightly behind last year's progress and the 5-year average of 3%. Corn 5% very poor, 14% poor, 35% fair, 39% good, 7% excellent. The soybean acreage setting pods 98%. The soybean acreage with leaves turning color was 6%, ahead of last year's progress of 5%, two days ahead of the 5-year average of 4% leaves turning color. The soybean acreage dropping leaves was 2%, 6% very poor, 16% poor, 35% fair, 37% good, 6% excellent. The third cutting of alfalfa hay was 68% complete, ahead of last year's progress of 55% complete, seven days ahead of the 5-year average of 50% complete. Hay 19% very poor, 37% poor, 30% fair, 12% good, 2% excellent. Livestock, Pasture, Range Report: Livestock were stressed by the hot, humid conditions last week, feedlot conditions were dusty. Pasture, range feed 37% very poor, 37% poor, 20 % fair, 6% good, 0% excellent.

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**KANSAS:** Days suitable for fieldwork 6.6. Topsoil 71% very short, 26% short, 3% adequate. Subsoil 64% very short, 33% short, 3% adequate. Soybeans 95% blooming, 98% 2002, 98% avg. Sunflowers 91% blooming, 92% 2002, 95% avg.; ray flowers dry 45%, 49% 2002, 43% avg.; bracts yellow 17%, 28% 2002, 25% avg.; 12% very poor, 21% poor, 39% fair, 24% good, 4% excellent. Alfalfa 3rd cutting 86%, 87% 2002, 95% avg.; 4th cutting 17%, 31% 2002, 38% avg. Cotton 94% setting bolls, 3% bolls opening, 1% very poor, 8% poor, 31% fair, 56% good, 4% excellent. Hot dry conditions stressed row crops. Corn, sorghum silage harvest continues. Some soybeans cut for hay. Pasture feed 35% very poor, 40% poor, 22% fair, 3% good. Hay, forage supplies 7% very short, 20% short, 70% adequate, 3% surplus. Some areas are supplemental feeding.

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**KENTUCKY:** Days suitable for fieldwork 5.9. Topsoil 2% very short, 27% short, 67% adequate, 4% surplus. Subsoil 2% very short, 17% short, 74% adequate, 7% surplus. Warmer than usual temperatures, fewer showers helped to dry up some tobacco fields that were affected by blue mold. A few places in Central, Eastern state were affected by humidity, localized showers late in the week. Some late fields are still suffering from black shank, some blue mold damage. Very few incidents of insect damage have been reported. Tobacco 1% very poor, 7% poor, 28% fair, 45% good, 19% excellent. Burley tobacco cut 23%, 33% 2002, 5 yr avg.; 38%. Dark tobacco cut 17%, 24% 2002, 37% 5 yr avg. Additional cuttings of hay continued through most of the week, while pastures were clipped. Fields looked good, but a few more showers will further improve conditions. For the week, hay crop 2% poor, 27% fair, 54% good, 17% excellent. Pasture feed 1% very poor, 3% poor, 24% fair, 55% good, 17% excellent. Corn crop developing well. Soybeans would benefit from additional rain in Western state

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**LOUISIANA:** Days suitable for fieldwork 5.8. Soil 11% very short, 38% short, 46% adequate, 5% surplus. Corn 1% poor, 17% fair, 50% good, 32% excellent; 100% mature, 96% last week, 100% 2002, 100% avg.; 49% harvested, 28% last week, 63% 2002, 76% avg. Cotton

producers were preparing to begin harvesting in the next few weeks. Hay 2nd cutting 91%, 87% last week, 79% 2002, 75% avg. Rice 88% ripe, 79% last week, 89% 2002, 87% avg. Sorghum 43% harvested, 26% last week, 32% 2002, 47% avg. Soybeans 98% blooming, 95% last week, 100% 2002, 100% avg.; 33% turning color, 25% last week, 26% 2002, 38% avg. Soybean producers continued spraying for stink bugs. Sugarcane 1% very poor, 8% poor, 28% fair, 43% good, 20% excellent; 31% planted 15% last week, 26% 2002, 32% avg. Sweet potatoes 9% harvested, 5% last week, 9% 2002, 10% avg. Livestock 5% poor, 29% fair, 57% good, 9% excellent. Vegetables 8% very poor, 20% poor, 48% fair, 23% good, 1% excellent

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**MARYLAND:** Days suitable for fieldwork 6.2. Topsoil 10% short, 79% adequate, 11% surplus. Subsoil 4% short, 80% adequate, 16% surplus. Corn 4% very poor, 7% poor, 21% fair, 47% good, 21% excellent; 60% dough, 80% 2002, 72% avg.; 24% Dent, 58% 2002, 43% avg.; 7% silage harvested, 24% 2002, 18% avg. Soybean 6% very poor, 11% poor, 32% fair, 37% good, 14% excellent; 60% blooming, 88% 2002, 89% avg.; 29% setting pods, 74% 2002, 71% avg. Sorghum 7% very poor, 4% poor, 33% fair, 30% good, 26% excellent; 60% headed, 84% 2002, 90% avg. Tobacco 5% poor, 45% fair, 35% good, 15% excellent; 25% topped, 85% 2002, 82% avg. Apple 21% fair, 72% good, and 7% excellent; 10% harvested, 22% 2002, 17% avg. Lima Beans (processed) harvested 19%, 29% 2002, 37% avg. Peaches harvested 64%, 86% 2002, 81% avg. Watermelons harvested 59%, 67% 2002, 68% avg. Potatoes harvested 65%, 82% 2002, 93% avg. Snap Beans harvested 72%, 72% 2002, 75% avg. Sweet Corn harvested 80%, 70% 2002, 79% avg. Cantaloups harvested 67%, 80% 2002, 81% avg. Other Hay 3rd cutting 29%, 55% 2002, 51% avg. Alfalfa Hay 3rd cutting 63%, 80% 2002, 80% avg. Pasture feed 2% very poor, 5% poor, 22% fair, 47% good, 24% excellent. Hay supplies 18% very short, 24% short, 58% adequate. Hot, humid conditions covered the area for most of last week. Sunny days allowed for good quality hay to be made. A few farmers are starting their fourth cutting of alfalfa hay. Harvesting progress was made for melons, potatoes, snap beans, sweet corn. Many corn fields are in the dent stage of development and a few fields are beginning to mature. Some farmers, mainly in the Western counties, are beginning to chop corn for silage. Several soybean fields are setting pods, condition is fair to good. A couple of tobacco fields were topped last week.

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**MICHIGAN:** Days suitable for fieldwork 6.0. Topsoil 23% very short, 42% short, 34% adequate, 1.0% surplus. Subsoil 20% very short, 42% short, 37% adequate, 1.0% surplus. All hay 2nd cutting 94%, 91% 2002, 92% avg.; 3rd cutting 30%, 33% 2002, 34% avg. Blueberries harvested 86%. Dry beans 95% setting pods, 94% 2002, 94% avg.; 16% turning leaves, 14% 2002, 30% avg. Oats 86% harvested, 87% 2002, 92% avg. Soybeans 1.0% turning leaves, 2.0% 2002, 7.0% avg. Temperatures ranged from 7° above normal western Upper Peninsula to 1° above normal east central, southeast Lower Peninsula. The high temperatures dried out soils very quickly. Precipitation amounts ranged from 0.08 inches southwest Lower Peninsula to 0.73 inches northwest Lower Peninsula. Statewide, growers expressed a need for increased moisture. The weather last week caused crop stress due to little rain, high temperatures. Alfalfa third cutting still underway southeast; other areas, regrowth of alfalfa slowed due to dry conditions. Corn continued to look excellent with plants tall, green, healthy. Aphids, white mold, cyst nematodes problems some soybean fields. Spraying to correct these problems ongoing. Many farmers working wheat stubble with deep tillage tools, spraying, and mowing for weed control. Harvest of oats, barley neared completion last week with yields and quality both excellent. Sugarbeet fields being monitored for Cercospora leafspot, weather conditions have been favorable for development of disease. Dry bean fields showing maturity, some color change. Mold problems reported recently. Fruit continued to look good across State. Some scattered thunderstorms, hail caused damage to apples, pears south. Oriental fruit moth and grape berry moth numbers increased. Apples continue to size well. Harvest continued south. Peach harvest continued. Red Haven harvest began southeast, continued southwest. Tart cherry harvest northwest complete. Cherry leaf spot caused yellowing, dropping of leaves west central, northwest. Some growers making a late season chemical application attempt to stave off leaf drop. Blueberry harvest continued. Potato leaf hoppers problems in newly planted strawberry fields southeast. Early fall red raspberry harvest began southeast, continued southwest. Vegetable growers reported continued problems with viruses in zucchini, slicing cucumbers, winter squash. Producers also reported some phytophthora problems in pickling cucumbers. Farmers

reported continued disease problems in tomatoes. Snap bean harvest full swing west central. Dry conditions have limited white mold problems. Eggplant, pepper harvest began. Warm temperatures sped along crop maturity, growers southeast noted crop still much behind normal. Carrot harvest moved along several districts. Farmers reported good to excellent quality, yield west central, southeast. In southeast, watermelon, cantaloup harvest progressed, sweet corn harvest continued as mid, late season plantings ripened. European corn borer counts remained low across State.

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**MINNESOTA:** Days suitable for fieldwork 6.5. Topsoil 37% very short, 46% short, 17% adequate, 0% surplus. Corn 97% milking, 98% 2002, 97% avg.; 4% cut for silage, 1% 2002, 2% avg. Soybeans 8% turning yellow, 6% 2002, 8% avg. Sweet corn 46% harvested for processing, 52% 2002, 56% avg. Potatoes 28% harvested, 10% 2002, 6% avg. Pasture feed 20% very poor, 33% poor, 36% fair, 11% good, 0% excellent. Sugarbeets 4% very poor, 7% poor, 29% fair, 46% good, 14% excellent. Dry Beans 8% very poor, 20% poor, 37% fair, 28% good, 7% excellent. Potatoes 1% very poor, 5% poor, 25% fair, 57% good, 12% excellent. Sunflowers 2% very poor, 6% poor, 26% fair, 58% good, 8% excellent. Continued dry weather leaves crops in search of moisture. Although there were scattered rain showers throughout the state, crops are still lacking needed moisture for proper development.

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**MISSISSIPPI:** Days suitable for fieldwork 6.1. Soil moisture 8% very short, 29% short, 58% adequate, 5% surplus. Corn 97% dent, 99% 2002, 98% avg.; 72% mature, 85% 2002, 86% avg.; 18% harvested, 26% 2002, 44% avg.; 97% silage harvested, 89% 2002, 82% avg.; 2% poor, 9% fair, 49% good, 40% excellent. Cotton 98% setting bolls, 100% 2002, 100% avg.; 22% open bolls, 38% 2002, 52% avg.; 3% very poor, 6% poor, 16% fair, 49% good, 26% excellent. Rice 98% heading, 100% 2002, 94% avg.; 32% mature, 42% 2002, 35% avg.; 5% harvested, 2% 2002, 5% avg.; 1% poor, 11% fair, 56% good, 32% excellent. Sorghum 98% turning color, 98% 2002, 96% avg.; 70% mature, 66% 2002, 68% avg.; 15% harvested, 14% 2002, 27% avg.; 13% fair, 57% good, 30% excellent. Soybeans 99% setting pods, 99% 2002, 99% avg.; 52% turning color, 42% 2002, 48% avg.; 32% shedding leaves, 27% 2002, 30% avg.; 12% harvested, 7% 2002, 6% avg.; 3% poor, 19% fair, 43% good, 35% excellent. Hay 85% harvested (warm season), 86% 2002, 80% avg. Sweetpotatoes 3% harvested, 3% 2002, 10% avg.; 3% very poor, 16% poor, 42% fair, 28% good, 11% excellent. Cattle 3% poor, 19% fair, 58% good, 20% excellent. Pasture 5% poor, 20% fair, 59% good, 16% excellent. Harvest for corn, soybeans is in full swing as favorable weather conditions persist throughout the State.

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**MISSOURI:** Days suitable for fieldwork 6.6. Topsoil 66% very short, 24% short, 10% adequate. Row crops, pastures continued to deteriorate as hot, dry weather prevailed. Most of the corn crop is now too advanced to benefit from rain as much of the crop is dented, drying. Development of corn ranges from 46% dented in the northeast districts to 98% dented southeast. Corn silage cutting continues, the grain harvest has begun, ranging from 1% harvested for grain across the northern third of State to about 6% in the southern third, 11% in the west-central district where dry conditions are forcing early maturity. Soybeans remain in urgent need of moisture to develop pods, with development already hurt severely in many bean fields. Development varies from 50% setting pods in southwest, south-central districts to about 90% northwest, north-central. Alfalfa 3rd crop cut 77%, 75% 2002, 78% avg. Pasture feed 46% very poor, 30% poor, 16% fair, 7% good, 1% excellent. Most of the State has a shortage of pasture feed, some of the drought areas are likely to be short of hay for winter feeding due to the necessity of supplemental summer feeding. Water levels in stock ponds continue to decline. Rainfall averaged 0.20 inches, with only 19 counties reporting 0.50 inch or more, mostly the result of localized thunderstorms

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**MONTANA:** Days suitable for fieldwork 6.9. Topsoil 77% very short, 20% short, 3% adequate, 0% surplus. Subsoil 69% very short, 27% short, 4% adequate, 0% surplus. Weather conditions for the week were above normal temperatures with very little rain. Barley 93% ripe, 79% harvested. Corn 0% very poor, 8% poor, 31% fair, 32% good, 29% excellent. Alfalfa hay 2nd cutting 80% harvested. Other hay 2nd cutting 56% harvested. Dry beans 7% very poor, 15% poor, 39% fair, 30% good, 9% excellent. Oat crop 98% turned, 92% ripe, 80% is harvested, 12% very poor, 19% poor, 28% fair, 30% good, 11% excellent. Potatoes 0%

very poor, 1% poor, 7% fair, 88% good, 4% excellent. Sugar beets 0% very poor, 4% poor, 31% fair, 36% good, 29% excellent. Spring wheat 95% ripe, 78% harvested, 24% very poor, 26% poor, 36% fair, 12% good, 2% excellent. Winter wheat 98% harvested. Pasture, Range feeds 33% very poor, 32% poor, 23% fair, 10% good, 2% excellent.

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**NEBRASKA:** Days suitable for fieldwork 6.5. Topsoil 61% very short, 37% short, 2% adequate, 0% surplus. Subsoil 63% very short, 33% short, 4% adequate, 0% surplus. Temperatures averaged from 5 to 9° above normals for the week. Precipitation was scattered and light, with the exception of the southeast area of the state, which averaged near 2.0 inches. Dry bean 6% very poor, 8% poor, 27% fair, 46% good, 13% excellent; 91% set pods, 95% 2002, 93% avg.; 22% turning color, 23% 2002, 29% avg.; 7% dropped leaves, 8% 2002, 4% avg. Alfalfa 23% very poor, 26% poor, 27% fair, 19% good, 5% excellent; 3<sup>rd</sup> cutting 74% harvested, 80% 2002, 74% avg. Pasture, range feed 34% very poor, 32% poor, 27% fair, 6% good, 1% excellent. Some producers hauling water, supplemental feedstuffs to cattle

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**NEVADA:** Widespread thundershowers dropped widely varying amounts of precipitation across the entire State. North Las Vegas weathered a cloud burst that dropped over 3 inches of rain, resulted in extensive urban flooding. Elko recorded 1.09 inch of rain while Winnemucca only recorded traces. Temperatures moderated midweek with the arrival of the rains, then began to warm again at the end of the week. Surface irrigation was stopped in the Lovelock valleys as water supplies exhausted. Second cutting of alfalfa was complete except for a few fields where cutting was delayed by rains. Some third cutting alfalfa was damaged by rains. Quality continued to suffer from the advancement of bloom due to rain delays to harvest. Alfalfa seed harvest began. Other hay harvests continued. Small grain, grass, and native cover seed crop harvests continued. Spring seeded grain harvest was well along. Potatoes were in bloom, crop condition was good. Cantaloups were maturing. Garlic harvest continued. Grasshopper, Mormon cricket infestations continued to plague some areas in northern state. Activities: Haying, grain harvest, garlic harvest, alfalfa seed harvest, irrigating, weed control, insect control

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**NEW ENGLAND:** Days suitable for field work 6.2. Topsoil 0% very short, 9% short, 72% adequate, 19% surplus. Subsoil 0% very short, 14% short, 76% adequate, 10% surplus. Pasture feed 1% very poor, 10% poor, 24% fair, 47% good, 18% excellent. Maine Potatoes 0% harvested, 5% 2002, 5% avg.; condition good/excellent. Rhode Island Potatoes 20% harvested, 40% 2002, 35% avg.; condition good/excellent. Massachusetts Potatoes 20% harvested, 30% 2002, 30% avg.; condition good. Maine Oats 20% harvested, 10% 2002, 20% avg.; condition good/fair. Maine Barley 30% harvested, 15% 2002, 30% avg.; condition good/fair. Field Corn condition good/excellent. First Crop Hay: 99% harvested, 99% 2002, 99% avg. Second Crop Hay: 70% harvested, 85% 2002, 80% avg.; condition good/fair. Third Crop Hay: 20% harvested, 45% 2002, 30% avg.; condition good/excellent. Shade Tobacco 60% harvested, 90% 2002, 90% avg.; condition fair/good. Broadleaf Tobacco 65% harvested, 85% 2002, 80% avg.; condition fair/good. Sweet Corn 60% harvested, 55% 2002, 60% avg.; condition good. Apples: 5% harvested, 10% 2002, 10% avg.; condition good/fair. Peaches: 40% harvested, 75% 2002, 65% avg.; condition good/fair. Pears: 5% harvested, 10% 2002, 10% avg.; condition good/fair. Massachusetts Cranberries: condition good/fair. Highbush Blueberries: 80% harvested, 90% 2002, 85% avg.; condition good/fair. Maine Wild Blueberries: 75% harvested, 85% 2002, 80% avg.; condition fair. The week started out hot, humid, but turned cool, dry by the weekend. All in all it was a great week in state for field activities, crop harvest. Activities: Cutting haylage, making dry hay; harvesting broadleaf tobacco, shade tobacco, potatoes, small grains, apples, peaches,ighbush blueberries, wild blueberries, vegetables; desiccating potato vines; spreading manure; mowing; pruning; weeding; monitoring fields; preparing harvest equipment; applying insecticides, fungicides; performing general farm maintenanc

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**NEW JERSEY:** Days suitable for field work were 6.7. Top soil 13% short, 87% adequate. Temperatures were above normal across most of the state for the week. Activities: Planting fall vegetables, irrigating vegetable fields, harvesting fruit, summer vegetables, top dressing of pastures, spraying pesticides, herbicides. Leaf hopper counts rose in some alfalfa fields. Vegetables were rated in fair to good condition as

harvest activities continued. Tomatoes were rated in fair condition across most of the state, but displayed weather related damage. Reported tomato damage including cracks, scaring, early blight, blossom problems. Heat necrosis symptoms was reported in some potato fields. Tuber discoloration was reported in some Atlantic variety potatoes. Apple, peach harvest continued in the north with the crop condition rated mostly good. Livestock producers continued to rotate pasture grazing, apply top dress sprays in preparation for fall grazing. Less supplemental livestock feeding required due to more available pasture forage supplies

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**NEW MEXICO:** Days suitable for fieldwork 7.0. Topsoil 64% very short, 25% short, 11% adequate. Wind damage was 6% light, 2% moderate. It was another warm summer week in state with temperatures averaging 4 to 5° above normal. Carlsbad, Tucumcari, Las Cruces all hit 100° early in the week. About two-thirds of reporting locations measured some rainfall from mainly afternoon, early night-time thunderstorms. Greatest totals included .96 inches at Los Alamos, .80 inches at Ruidoso, and .75 inches at Las Cruces. Farmers spent the week cutting alfalfa hay, harvesting green chile, irrigating, cutting silage. Alfalfa conditions were showing little change remaining in mostly poor to good condition with reports of failing condition, production due to the hot dry weather. Alfalfa 3rd cutting of was complete, 4th being 86% complete, 5th cutting 33% complete. Corn conditions dropped slightly but remained in mostly fair to good condition with the crop 100% doughed, 50% denting stage. Cotton has completed setting bolls 20% of the crop opening. Conditions for cotton drifted toward mostly fair to good. Total sorghum remained in mostly very poor to fair condition. Total sorghum progress 48% headed, 5% coloring. Peanuts remained in mostly fair condition with 100% of the crop pegging. Fall lettuce was reported in good to excellent condition with 92% planted. Chile showed slight improvement reporting in mostly fair to good condition, the green chile harvest was 42% complete. Pecan conditions showed a slight drop, listed as fair to excellent. Pecan drop 40% below avg.; 55% above avg.; 5% heavy drop. Eddy county reported presence of armyworms in alfalfa, others reporting that the weather is too hot, dry for most insects. Ranchers spent the week maintaining water supplies, supplemental feeding. Ranchers are culling off cows while some continue to sell off herds due to drought conditions, they are also selling underweight calves earlier than usual. The broom snakeweed, other noxious weeds are dying because it is so dry. Reports that water supplies, wells, springs, river flows have decreased. Cattle conditions 14% very poor, 18% poor, 31% fair, 22% good, 15% excellent. Sheep 26% very poor, 12% poor, 19% fair, 35% good, 8% excellent. Range, pasture 57% very poor, 26% poor, 16% fair, 1% good.

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**NEW YORK:** Days suitable: 6.1. Topsoil 1% short, 84% adequate, 15% surplus. Ideal conditions prevailed: cooler, drier, less humid. Pasture feed 6% poor, 23% fair, 54% good, 17% excellent. Hay 6% poor, 49% fair, 37% good, 8% excellent. Corn 4% poor, 13% fair, 60% good, 23% excellent. Soybeans 1% poor, 15% fair, 69% good, 15% excellent. Oats 66% harvested, 71% 2002. Wheat 78% combined, 96% 2002. Lake Erie concord grapes approaching veraison. Vegetable crops good condition, harvests active.

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**NORTH CAROLINA:** Days suitable for field work 5.8. Soil 0% very short, 7% short, 68% adequate, 25% surplus. A drier weather pattern fostered better crop maturation in state, allowed more extensive access to fields. Much of the State's crops are shallow rooted due to the earlier wet conditions, will need a steady supply of moisture to offset potential stress. Farmers found more southern rust in corn, increased insect problems in soybeans, tobacco. Concern about disease has caused some farmers with their own grain dryers to begin picking corn when moisture content dropped below 30%. Activities: Harvesting and marketing tobacco, cutting hay, corn silage, harvesting peaches, apples, spraying crops, tending livestock, general farm maintenance.

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**NORTH DAKOTA:** Days suitable for fieldwork 6.8. Topsoil 31% very short, 45% short, 24% adequate, 0% surplus. Subsoil moisture 25% very short, 42% short, 32% adequate, 1% surplus. Excellent progress was made harvesting small grains last week. Durum wheat 51% combined, 15% 2002, 27% avg. Canola 93% swathed, beyond, 80% 2002, 83% avg.; 55% combined, 24% 2002, 34% avg. Corn for silage 9% chopped, 5% 2002, 2% avg. Dry Edible Beans 82% fully podded, beyond, 73% 2002, 81% avg.; 51% had lower leaves yellowing, beyond, 38% 2002, 54% avg. 24% mature or were dropping leaves, beyond, 10% 2002, 28%

avg. Flaxseed 26% combined, 12% 2002, 19% avg. Potatoes had vines 43% of the killed, beyond, 20% 2002, 26% avg. Sunflowers 48% dropping, their ray flowers, beyond, 34% 2002, 34% avg. Durum Wheat 2% very poor, 11% poor, 34% fair, 47% good, 6% excellent. Dry Edible Beans 1% very poor, 6% poor, 30% fair, 56% good, 7% excellent. Flaxseed 1% very poor, 5% poor, 27% fair, 54% good, 13% excellent. Potatoes 0% very poor, 2% poor, 19% fair, 75% good, 4% excellent. Sugarbeets 0% very poor, 1% poor, 19% fair, 71% good, 9% excellent. Sunflower 3% very poor, 8% poor, 31% fair, 50% good, 8% excellent. Alfalfa 2nd cutting of was complete 94%. All other hay 97% had been cut. Stockwater supplies 10% very short, 32% short, 57% adequate, 1% surplus. Pasture, range feeds 14% very poor, 30% poor, 37% fair, 18% good, 1% excellent.

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**OHIO:** Days suitable for fieldwork 6.1. Topsoil 0% very short, 9% short, 80% adequate, 11% surplus. Alfalfa hay 2nd cutting complete 94%, 100% 2002, 100% avg.; 3rd cutting complete 41%, 68% 2002, 68% avg.; 4th cutting complete 2%, 9% 2002, 11% avg. Corn in dough 73%, 70% 2002, 79% avg.; dented 13%, 17% 2002, 31% avg.; silage harvested 5%, 8% 2002, 7% avg. Cucumber harvested 67%, 66% 2002, 73% avg. Oats harvested 96%, 98% 2002, 100% avg. Other hay 2nd cutting complete, 81%, 92% 2002, 91% avg.; 3rd cutting complete 18%, 31% 2002, 34% avg. Peaches harvested 78%, 75% 2002, 78% avg. Potatoes harvested 36%, 31% 2002, 42% avg. Processing tomatoes harvested 6%, 15% 2002, 17% avg. Soybeans setting pods 88%, 87% 2002, 95% avg. Summer apples harvested 90%, 76% 2002, 81% avg. Corn 2% very poor, 6% poor, 24% fair, 46% good, 22% excellent. Hay 5% very poor, 11% poor, 28% fair, 46% good, 10% excellent. Pasture feeds 2% very poor, 5% poor, 21% fair, 56% good, 16% excellent. Soybean 3% very poor, 7% poor, 27% fair, 47% good, 16% excellent. Weather conditions continue to improve across much of state as the month of August nears its end. Throughout the week farmers baled hay, straw, sprayed soybeans for aphids, prepared equipment for the fall harvest. The black out of 2003 lead to the purchase of generators by some in the dairy industry. Producers mowed wheat stubble, field borders and grassed waterways, emptied manure pits, ponds, lagoons

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**OKLAHOMA:** Days suitable for fieldwork 6.6 Topsoil 54% very short, 35% short, 11% adequate. Subsoil 45% very short, 40% short, 15% adequate. Wheat 42% seedbed prepared, 27% last week, 53% 2002, 45% avg. Rye 40% seedbed prepared, 30% last week, 58% 2002, 47% avg. Oats 30% seedbed prepared, 22% last week, 46% 2002, 37% avg. Corn 5% poor, 20% fair, 33% good, 42% excellent; 98% silking, 93% last week, 100% 2002, 100% avg.; 89% dough, 70% last week, 94% 2002, 95% avg.; 41% mature, 34% last week, 59% 2002, 11% avg.; 16% harvested, 9% last week, 17% 2002, 11% avg. Sorghum 6% harvested, 3% last week, 4% 2002, 3% avg. Soybeans 4% very poor, 23% poor, 40% fair, 33% good; 88% blooming, 84% last week, 92% 2002, 89% avg.; 73% setting pods, 64% last week, 82% 2002, 73% avg.; 11% mature, 7% last week, 15% 2002, 14% avg.; 4% harvested, 2% last week, 5% 2002, 3% avg. Peanuts 98% setting pods, 94% last week, 95% 2002, 94% avg.; 20% mature, 10% last week, 12% 2002, 7% avg. Alfalfa Hay 7% very poor, 20% poor, 48% fair, 22% good, 3% excellent; 99% 3<sup>rd</sup> cutting, 97% last week, 98% 2002, 93% avg.; 41% 4<sup>th</sup> cutting, 33% last week, 60% 2002, 42% avg. Other Hay 7% very poor, 25% poor, 37% fair, 29% good, 2% excellent; 67% 2<sup>nd</sup> cutting, 64% last week, 77% 2002, 50% avg. Watermelons 97% harvested, 95% last week, 97% 2002, 93% avg. Livestock 2% very poor, 5% poor, 33% fair, 47% good, 13% excellent; Pasture, Range 9% very poor, 30% poor, 43% fair, 17% good, 1% excellent; Livestock conditions were rated mostly fair to good. Feeding hay continued in areas that lacked sufficient pastures, yet hay was being conserved as much as possible due to the short supplies. Livestock insect activities were rated as light to heavy. Cattle auctions reported a record high for steers, heifers under 800 pounds in marketings for the week. The price for feeder steers less than 800 pounds increased from last week, averaged \$97.54 per cwt. The average price for feeder heifers less than 800 pounds also increased from last week, averaged \$91.53 per cwt

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**OREGON:** Days suitable for fieldwork: 6.9. Topsoil 43% very short, 43% short, 14% adequate. Subsoil 44% very short, 43% short, 13% adequate. Barley harvested 89%, 85% previous week, 80% 2002, 70% 5-yr avg. Spring wheat harvested 92%, 88% previous week, 92% 2002, 82% 5-yr avg. Range, Pasture 11% very poor, 32% poor, 40% fair, 17% good. Activities: Precipitation more noticeable across state this past

week. Rainfall in areas of northeast state ranged from 1.0 to nearly 1.5 inches, rainfall in some central areas of state ranged from 0.2 to nearly 0.5 inches. Western state remained essentially dry. High temperatures across most of state fell in nineties but Rome recorded a high of 105°. Areas along coast felt cooler temperatures, with highs falling in seventies. According to National Interagency Fire Center, Booth, Bear Butte fires in Deschutes National Forest about 20% contained, have consumed over 36 thousand acres. Another fire near Joseph is around 50% contained; its cause is believed to have been lightening. Winter wheat harvest winding down Statewide. Harvest of Union County spring wheat, barley, mint, third cutting of alfalfa, second cutting of grass hay continued. In Wasco County, mustard seed harvest began, third cutting of alfalfa ongoing. In Malheur County, most of third cutting of alfalfa baled. Irrigation water depleted in Vale district. In Marion County, mint, sugarbeet seed harvest continued. Grass seed harvest winding down. More rain is needed Statewide for fall tillage. In Willamette Valley, harvest of summer vegetables advancing rapidly. Warm, summer weather good for produce this year. Sweet corn looked good, almost ready to harvest. Bush beans harvest nearly finished. Warmer nighttime temperatures in Josephine County meant some vegetables ripening quickly. Truck gardens doing well in summer squash, eggplant, tomatoes, cucumber, onions, peppers. Nurseries continued to irrigate at a rapid pace, looking forward to fall marketing season. Greenhouses working with fall, winter plants. Southern state coast Easter lily growers engaged in harvesting, planting routines that will continue until sometime in October. Summer pear harvest complete in most of lower Hood River Valley orchards, begun in mid-valley orchards. Fruit growers in upper valley, in Wasco County prepared for harvest. Evergreen blackberry picking at its peak in Clackamas County. Wine grape harvest should begin soon in Josephine County. Eastern Filbert Blight recently found in four orchards in Linn, Lane counties. Hazelnut growers in those areas are asked to inspect their hazelnut trees for brown leaves that have not fallen, then look for black pustules. Dryland pastures did not receive much relief from prolonged dry condition. Several pastures have entered summer dormancy. Fires broke out in Deschutes, Wallowa counties, threat of fire remained high across State. Supplemental feed continued. Livestock reported to be in good condition

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**PENNSYLVANIA:** Days suitable for field work 6.0. Soil 7% short, 84% adequate, 9% surplus. Fall plowing 7% complete, 10% 2002, 13% avg. Corn silk 87% complete, 91% 2002, 94% avg.; 49% dough, 70% 2002, 67% avg.; 7% dent, 33% 2002, 26% avg.; 2% very poor, 7% poor, 20% fair, 45% good, 26% excellent. Oats 95% ripe, 98% 2002, 96% avg.; 76% harvested, 90% 2002, 87% avg. Soybean 1% very poor, 3% poor, 18% fair, 54% good, 24% excellent. Tobacco harvested 11% complete, 35% 2002, 26% avg. Potatoes 15% harvested, 27% 2002, 20% avg. Alfalfa 2nd cutting 91% complete, 93% 2002, 94% avg.; 3rd cutting 51%, 78% 2002, 65% avg.; 4th cutting 9% complete, 36% 2002, 21% avg. Timothy clover 2nd cutting 57% complete, 75% 2002, 67% avg. Peaches harvested 61% complete, 79% 2002, 78% avg. Apple crop condition 2% poor, 15% fair, 73% good, 10% excellent. Apples harvested 18% complete, 14% 2002, 21% avg. Quality of hay made 3% very poor, 9% poor, 32% fair, 39% good, 17% excellent. Pasture feeds 2% very poor, 7% poor, 24% fair, 50% good, 17% excellent. Activities: Making hay; baling straw; harvesting oats; harvesting fruit, vegetables; hauling manure; spreading fertilizer, lime; fixing fences, general maintenance; caring for livestock; attending county fairs, Ag Progress Days.

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**SOUTH CAROLINA:** Days suitable for field work 5.3. Soil 2% short, 66% adequate, 32% surplus. Corn 100% doughed, 100% 2002, 100% avg.; 94% matured, 98% 2002, 94% avg.; 19% harvested, 59% 2002, 45% avg.; 1% poor, 15% fair, 52% good, 32% excellent. Soybeans 89% bloomed, 87% 2002, 85% avg.; 53% pods set, 55% 2002, 51% avg.; 8% turning color, 11% 2002, 9% avg.; 5% poor, 16% fair, 58% good, 21% excellent. Sorghum 96% headed, 97% 2002, 91% avg.; 75% turned color, 88% 2002, 77% avg.; 30% matured, 49% 2002, 45% avg.; 10% harvested, 17% 2002, 18% avg.; 27% fair, 69% good, 4% excellent. Cotton 99% squared, 99% 2002, 100% avg.; 88% bolls set, 93% 2002, 92% avg.; 8% bolls opened, 22% 2002, 16% avg.; 3% poor, 27% fair, 65% good, 5% excellent. Peanuts 99% pegged, 99% 2002, 95% avg.; 10% fair, 74% good, 16% excellent. Pastures 15% fair, 58% good, 27% excellent. Sweetpotatoes 24% fair, 76% good. Tobacco 76% harvested, 78% 2002, 76% avg.; 23% stalks destroyed, 31% 2002, 29% avg.; 7% poor, 28% fair, 60% good, 5% excellent. Other Hay 90% harvested, 93% 2002, 92% avg.; 2% poor, 22% fair, 66% good, 10% excellent. Peaches 87% harvested, 91% 2002, 93% avg.; 4% poor, 19% fair, 74% good, 3%

excellent. Apples 1% poor, 95% fair, 4% good. Watermelons 100% harvested, 99% 2002, 100% avg.; 34% poor, 25% fair, 41% good. Cantaloups 100% harvested, 100% 2002, 100% avg. Livestock 4% fair, 66% good, 30% excellent.

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**SOUTH DAKOTA:** Days suitable for fieldwork 6.4. Topsoil 38% very short, 40% short, 22% adequate. Subsoil 35% very short, 40% short, 25% adequate. Feed supplies 5% very short, 28% short, 64% adequate, 3% surplus. Stock water supplies 29% very short, 28% short, 42% adequate, 1% surplus. Winter Rye 0% planted, 1% 2002, 4% avg. Sunflower 15% very poor, 17% poor, 40% fair, 26% good, 2% excellent. 93% blooming, 92% 2002, 94% avg.; ray flowers dry 36%, 38% 2002, 41% avg.; bracts yellow 15%, 22% 2002, 25% avg.; 1% mature, 0% 2002, 2% avg. Cattle condition 5% poor, 23% fair, 58% good, 14% excellent. Sheep condition 13% poor, 14% fair, 57% good, 16% excellent. Range, Pasture 14% very poor, 24% poor, 35% fair, 23% good, 4% excellent. Corn silage harvested 11%, 19% 2002, 8% avg. Sorghum silage harvested 10%, 24% 2002, 10% avg. Alfalfa hay 11% very poor, 24% poor, 30% fair, 30% good, 5% excellent; 2<sup>nd</sup> cutting harvested 100%, 94% 2002, 91% avg; 3<sup>rd</sup> cutting harvested 35%, 48% 2002, 42% avg. Other hay harvested 98%, 97% 2002, 93% avg. Crop progress continues through another week of above normal temperatures, minimal precipitation. Temperatures averaged approximately 9° above normal last week, with rainfall ranging from 0 to 1.21 inches. Activities: Cutting hay, fall planting field preparations, spraying for weeds, insects, fixing fence, caring for livestock.

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**TENNESSEE:** Days suitable for fieldwork 6.0. Topsoil 1% very short, 20% short, 77% adequate, 2% surplus. Subsoil 12% short, 85% adequate, 3% surplus. Pastures 2% poor, 16% fair, 61% good, 21% excellent. Tobacco 89% topped, 82% 2002, 86% avg.; 3% very poor, 7% poor, 29% fair, 45% good, 16% excellent. Burley 31% harvest, 25% 2002, 34% avg. Dark-air cured 34% harvested, 37% 2002, 41% avg. Dark-fired cured 31% harvest, 31% 2002, 39% avg. Scattered showers moved across the State at the beginning, end of the week to balance the above normal summer temperatures. The combination of heat, rain was beneficial to all crops, but the biggest benefactors were cotton, soybeans. Tobacco growers were finishing topping, harvest had begun in earnest. Activities: Hay cutting, fungicide, insecticide application, harvesting vegetables

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**TEXAS:** Agricultural Summary: Soil moisture was further depleted in most regions as daytime heating increased evaporation. Much of the State returned to normal with temperatures in the upper 90's to 100° range, only minimal precipitation. Once again, the Plains received little or no rainfall. Scattered rain fell across the Edwards Plateau, Central state, the Upper Coast, southern parts of East state. Some locations reported downpours of over 2 inches with high wind, but rain gauge readings were generally under an inch. The Trans Pecos region reported precipitation ranging from a trace to 1/3 of an inch. The Rio Grande Valley received little rain, but one location reported almost 3 inches. In areas where water was still readily available, producers were watering fields for the last time as crops were maturing. Harvesting of summer crops made good progress with only isolated delays. Land preparation for fall planting continued. Range, pastures were browning quickly in the sun. Stock tanks were becoming extremely low, some were drying up. Cattlemen continued supplemental feeding, hauling water. Insect pressure was increasing in many areas. Small Grains: Preparation for wheat and oat planting continued across many areas. Some producers began fertilizing fields before planting. Many farmers were waiting for moisture to begin field work, but some were dry planting, hoping for rain. Corn: The crop was maturing rapidly across the Plains. Silage cutting was active in some locations. Harvest of grain was expected to begin in the next couple of weeks. In North Central state, combining was in full swing, was finishing up in Central state. Corn 54% normal, 60% 2002. Cotton: Cotton continued to progress rapidly under very dry, hot conditions. An increasing number of fields were reaching cut-out stage; many earlier than normal. Square, boll drop continued in drought stricken areas. Dryland fields on the Plains were in very poor shape, but where water was available, irrigated cotton appeared to be progressing well. Army worms, bollworms were increasing in some areas. In Central state, the Upper Coast, producers were defoliating and some limited harvest had begun. Harvest was in full swing on the Coastal Bend. Harvest of fields affected by Hurricane Claudette was proving to be difficult. Producers in the Rio Grande Valley were winding up harvest. Cotton 53% normal, 67% 2002.

Sorghum: Sorghum was maturing quickly throughout the Plains. Irrigated sorghum appeared favorable, but dryland fields continued to look very poor. Harvest of North, Central state sorghum was nearing completion. On the Upper Coast and Coastal Bend, harvest was virtually finished. Sorghum 59% normal, 57% 2002. Peanuts: Irrigated peanuts were mostly in good to excellent condition except in areas where water was short. Most peanuts were at the end of the pegging stage. Peanut 85% normal, 86% 2002. Rice: Rice harvest was delayed in many areas due to precipitation. Rice yield appeared to be favorable in many locations. Rice 87% normal, 93% 2002. Soybeans: Irrigated soybeans were making good progress, but dryland fields were suffering from dry conditions. Harvest was ongoing in the Blacklands, the Upper Coast. Yields were variable. Commercial Vegetables, Fruit, Pecans. In the Rio Grande Valley, land preparation continued for fall crops. In the San Antonio-Winter Garden, harvest of remaining vegetables was complete. Some producers were planning to pre-water fields in preparation for spinach, onions. In East state, sweet potato harvest was gaining momentum where conditions allowed. In the High Plains, pumpkins were progressing well, but dry weather was having an effect. Harvest of the early crop was set to begin. Watermelon harvest continued, yields were reported to be fair to good. Pecans: Pecans were entering the shell hardening stage in many locations. Some immature pecans were dropping. Spraying for insects was ongoing. Statewide, the crop was reported as favorable, especially in areas where adequate moisture has been received. Range, Livestock: Supplemental feeding of hay, protein increased on the Plains, many other regions as hot, dry conditions continued to burn up range, pasture lands. Pasture feeds decreased virtually across the State. Stock tanks were drying up, ranchers were hauling water. Despite the worsening weather conditions, cattlemen were in reasonably good spirits because of good body scores, favorable cattle prices

**UTAH:** Days suitable for fieldwork 6.0. Topsoil 23% very short, 37% short, 40% adequate, 0% surplus. Subsoil 27% very short, 34% short, 39% adequate, 0% surplus. Alfalfa Hay 2nd cutting 100%, 100% 2002, 98% avg.; 3rd cutting 44%, 44% 2002, 41% avg. Alfalfa Seed alfalfa seed harvested 7.0%, 9.0% 2002, 4.0% avg. Apples picked 0%, 0% 2002, 1.0% avg. Barley harvested (grain) 92%, 85% 2002, 85% avg. Cattle/Calves cattle moved from summer range 3.0%, 45% 2002, 12% avg. Cattle/Calves Condition very poor 0% Cattle/Calves Condition poor 2.0% Cattle/Calves Condition fair 21% Cattle/Calves Condition good 64% Cattle/Calves Condition excellent 13% Corn silked (tasseled) 98%, 96% 2002, 94% avg. Corn dough 51%, 39% 2002, 36% avg. Corn dent 6.0%, 6.0% 2002, 4.0% avg. Corn Condition 0% very poor, 3.0% poor, 21% fair, 67% good, 9.0% excellent; Corn Height height 93%, 86% 2002, 86% avg. Corn Silage harvested (silage) 0%, 2.0% 2002, 1.0% avg. Irrigation Water Supplies very short 45% Irrigation Water Supplies short 34%. Irrigation Water Supplies adequate 21% Irrigation Water Supplies surplus 0% Oats harvested (grain) 70%, 61% 2002, 64% avg. Oats Harvested for Hay or Silage harvested 100%, 99% 2002, 98% avg. Onions harvested 9.0%, 25% 2002, 16% avg. Other Hay cut 100%, 100% 2002, 98% avg. Peaches picked 30%, 34% 2002, 34% avg. Pears picked 10%, 4.0% 2002, 10% avg. Potatoes harvested 2.0%, 6.0% 2002, 3.0% avg. Sheep 0% very poor, 1.0% poor, 20% fair, 74% good, 5.0% excellent; Sheep/lambs sheep moved from summer range 5.0%, 45% 2002, 10% avg. Spring Wheat 93% harvested, 80% 2002, 82% avg. Stock Water Supplies very short 18% Stock Water Supplies short 45% Stock Water Supplies adequate 37% Stock Water Supplies surplus 0%. Tart Cherries picked 100%, 100% 2002, 100% avg. Winter Wheat harvested 95%, 88% 2002, 92% avg.

**VIRGINIA:** Days suitable for fieldwork 6.0. Topsoil 5% short, 73% adequate, 22% surplus. Subsoil 2% short, 80% adequate, 18% surplus. Pasture 1% poor, 12% fair, 60% good, 27% excellent. Livestock 1% poor, 17% fair, 62% good, 20% excellent. Other Hay 10% poor, 32% fair, 43% good, 15% excellent. Alfalfa Hay 2% very poor, 10% poor, 26% fair, 47% good, 15% excellent. Corn for Grain 15% very poor, 5% poor, 22% fair, 35% good, 23% excellent; 95% silked, 100% 2002, 99% 5-yr avg.; 74% dough, 89% 2002, 77% 5-yr avg.; 46% dent, 74% 2002, 55% 5-yr avg.; 14% mature, 48% 2002, 30% 5-yr avg.; 1% harvested, 9% 2002, 4% 5-yr avg.; Corn Silage 15% harvested, 27% 2002, 17% 5-yr avg. Soybeans 1% very poor, 5% poor, 22% fair, 52% good, 20% excellent; 83% blooming, 90% 2002, 84% 5-yr avg.; 55% setting pods, 68% 2002, 60% 5-yr avg. Flue Tobacco 19% very poor, 19% poor, 27% fair, 29%

good, 6% excellent; 31% harvested, 21% 2002, 31% 5-yr avg. Burley Tobacco 5% very poor, 15% poor, 40% fair, 30% good, 10% excellent; 7% harvested, 9% 2002, 13% 5-yr avg. Dark Fire Tobacco 7% very poor, 9% poor, 39% fair, 37% good, 8% excellent; 32% harvested, 39% 2002, 42% 5-yr avg. Sun Tobacco 61% fair, 39% good; 32% harvested, 27% 2002, 32% 5-yr avg. Peanuts 7% poor, 13% fair, 60% good, 20% excellent; 98% pegged, 100% 2002, 100% 5-yr avg. Cotton 7% poor, 24% fair, 43% good, 26% excellent; 93% setting bolls, 100% 2002, 100% 5-yr avg. Apples 18% poor, 36% fair, 46% good. Summer Apples 95% harvested, 98% 2002, 93% 5-yr avg. Fall Apples 7% harvested, 21% 2002, 4% 5-yr avg. Peaches 90% harvested, 90% 2002, 80% 5-yr avg. Grapes 4% poor, 25% fair, 71% good. Most of state got some relief from the rain this week with drier conditions, higher than normal temperatures. Pastures, livestock remained in good condition. Many farmers were able to get their second or third hay cutting in during the week due to the nice days. Some peaches had signs of brown rot from all of the recent wet weather. Apples were damaged by bears in a few orchards. Activities: Bushhogging field borders, applying herbicides to soybeans, getting corn harvesting equipment ready, cutting silage, harvesting tobacco, scouting soybeans cotton for insects, scouting peanuts for diseases, spraying cotton, peanuts for insects, attending field days.

**WASHINGTON:** Days suitable for fieldwork averaged 6.7. Topsoil 38% very short, 37% short, 25% adequate. Subsoil 18% very short, 34% short, 48% adequate. Irrigation water supplies 5% very short, 9% short, 86% adequate. The highest temperature in the state was 100° in Colville. The lowest temperature in the state was 38° in Olympia. Winter wheat 94% harvested, 3% seeded. Spring wheat 90% harvested. Barley 90% harvested. Warm, dry weather helped to finalize harvest activity around the Palouse. Some operators focused on preparing to wrap up harvest while other were seeding winter wheat, harrowing stubble, fertilizing pea ground. Garbanzo beans in Walla Walla County remained mostly unharvested. The third cutting of alfalfa hay was being harvested while the second cutting of timothy hay began. Potato harvest continued. Christmas tree growers continued shearing Douglas Fir, top working Noble Fir. Potatoes 31% harvested, 22% fair, 71% good, 7% excellent. Corn for silage 7% harvested, 1% poor, 8% fair, 91% good. Dry peas 92% harvested. Dry edible beans 22% harvested, 1% poor, 8% fair, 67% good, 24% excellent. Alfalfa 3rd cutting complete 90%. Hay, other roughage supplies 2% very short, 3% short, 87% adequate, 8% surplus. Range, pasture feeds 3% very poor, 25% poor, 58% fair, 14% good. Livestock producers continued to feed hay as pastures remained dry. Oyster processing in Pacific County continued with good yields. Cranberry growers expressed concern over recent EPA rulings, implications for their ability to use pesticides in bogs. Tomatoes matured well due to the warm weather. Blueberry harvest was winding down. Carrot, sweet corn, pear, mint harvest continued. Apple harvest picked up in the Yakima Valley with good quality being reported on Galas. Bartlett pears were noted as having a greater amount going to the fresh market rather than to the cannery

**WEST VIRGINIA:** Days suitable for field work 5.6. Topsoil 3% short, 88% adequate, 9% surplus, 23% very short, 47% short, 30% adequate 2002.. Corn 6% poor, 25% fair, 55% good, 14% excellent; 76% silked, 100% in 2002, 93% for the 5-yr. avg.; 30% doughing, 63% 2002, 50% 5-yr avg; 2% dented, 20% 2002, 13% 5-yr avg. Soybeans 2% poor, 24% fair, 62% good, 12% excellent; 88% blooming, 100% 2002, 85% 5-yr avg.; 62% setting pods, 91% 2002, 61% 5-yr. avg. Oats 58% harvested, 100% 2002, 91% 5-yr avg. Tobacco 1% very poor, 32% poor, 43% fair, 24% good; 34% topped; 90% 2002, 57% 5-yr. avg. Hay 1% very poor, 4% poor, 24% fair, 63% good, 8% excellent; 2nd cutting 40%, 90% in 2002, 69% 5-yr avg. Apples 10% poor, 20% fair, 65% good, 5% excellent. Peaches 15% fair, 80% good, 5% excellent; 50% harvested. Cattle, calves 1% poor, 12% fair, 71% good, and 16% excellent. Sheep, Lambs 1% poor, 9% fair, 78% good, 12% excellent. Activities: Harvesting oats, topping tobacco, haying, clipping pastures, working cattle.

**WISCONSIN:** Days suitable for fieldwork for the week 6.8. Topsoil 52% very short, 33% short, 14% adequate, 1% surplus. Temperatures were 4-9° above normal for the past week, unfortunately most areas had no moisture to take advantage of the added heat units. Lack of topsoil

moisture is showing up in stressed crops in many areas. There were scattered rains over the week, but some were accompanied by wind, hail damage. Large areas continue to miss any significant rainfall for dry crops. Pasture feed dropped with the hot, dry week. Conditions 42% very poor, 35% poor, 16% fair, 7% good, 0% excellent. Many areas are supplementing feed to livestock. Significant rainfall is needed soon to save stressed crops.

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**WYOMING:** Days suitable for field work 6.7. Topsoil 35% very short, 52% short, 13% adequate. Subsoil 31% very short, 52% short, 17% adequate. Winter wheat 1% planted, 17% 2003, 9% 5-yr avg. Barley 98% mature, 93% 2002, 92% 5-yr avg.; 86% harvested, 69% 2002, 70% 5-yr avg. Oats 92% mature, 75% 2002, 80% 5-yr avg.; 70% harvested, 48% 2002, 55% 5-yr avg.; 4% very poor, 5% poor, 31% fair, 57% good, 3% excellent. Spring wheat 90% mature, 84% 2002, 89% 5-yr avg.; 67% harvested, 2002 75%, 69% 5-yr avg.; 4% poor, 52% fair, 44% good. Sugarbeets 3% poor, 15% fair, 69% good, 13% excellent. Corn in milk 79%, 73% 2002, 85% 5-yr avg. Corn dough 61%, 51% 2002, 56% 5-yr avg.; 6% dented, 8% 2002, 8% 5-yr avg.; 1% harvested for silage, 1% poor, 25% fair, 60% good, 14% excellent. Dry beans leaves 65% turning color, 61% 2002, 59% 5-yr avg. Dry beans windrowed 4%, 9% 2002, 9% 5-yr avg.; 3% poor, 18% fair, 64% good, 15% excellent. Alfalfa harvested 2nd cutting 83%, 69% 2002, 72% 5-yr avg.; 3rd cutting 2%, 6% 2002, 8% 5-yr avg. Other hay harvested 93%, 2002 87%, 90% 5-yr avg. Range, pasture feed 11% very poor, 23% poor, 49% fair, 16% good, 1% excellent. Stock water supplies 21% very short, 42% short, 36% adequate, 1% surplus. Temperatures were above normal but cooler than last week. The highest temperature of 102<sup>o</sup> was reported in Deaver, Sheridan, the lowest temperature of 36<sup>o</sup> was reported in Jackson. Precipitation was mixed with almost all stations reporting some moisture during the week but most were below normal. The most precipitation fell in Douglas with 1.73 inch, Casper with 1.25 inch, Afton with 0.70 inch.