

# Weekly Weather and Crop Bulletin State Stories

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**ALABAMA:** Days suitable for fieldwork 5.0. Topsoil 1% very short, 10% short, 79% adequate, 10% surplus. Corn 63% silked, 66% 2000, 68% avg.; 1% very poor, 3% poor, 19% fair, 60% good, 17% excellent. Soybeans 95% planted, 91% 2000, 91% avg.; 88% emerged, 83% 2000, 52% avg.; 3% blooming, 6% 2000, 6% avg.; 0% very poor, 2% poor, 31% fair, 56% good, 11% excellent. Wheat 91% harvested, 95% 2000, 88% avg.; Hay harvested 99% 1st cutting, 95% 2000, 93% avg. Pasture feed 0% very poor, 3% poor, 21% fair, 60% good, 16% excellent. Livestock feed 0% very poor, 2% poor, 20% fair, 49% good, 29% excellent. The hay crop looks good, farmers are busy harvesting. Herbicides, fungicides are being applied to peanuts. Weeds are plentiful in cotton in some areas.

**ALASKA:** Days suitable for fieldwork 7.0. Days were sunny, dry for most of the week allowing producers to make good progress in harvesting the 1<sup>st</sup> cutting of hay. Topsoil 70% short, 30% adequate. Subsoil moisture 40% short, 60% adequate. Daytime high temperatures were mostly in 70's, with high temperatures reaching 81° in the Mat-Su Valley. Nighttime lows were mostly in the upper-40's to low 50's. Barley 10% in boot, 5% headed, 25% fair, 50% good, 25% excellent. Oat 10% fair, 50% good, 40% excellent. Potatoes 95% emerged. Hay 1<sup>st</sup> cutting 55% harvested, 5% poor, 10% fair, 75% good, 10% excellent. Range, pasture feeds 5% poor, 5% fair, 80% good, 10% excellent. General crop growth continued to be moderate to rapid, with average grain height at 15.0 inches. Farm activities included: Cutting, baling hay, harvesting vegetables, irrigating fields, weed control, repairing fences, equipment.

**ARIZONA:** Area recorded average temperatures throughout the state with light precipitation reported. Range, pasture feeds will benefit from good precipitation in Southeastern Area. Small grains harvest accelerated in anticipation of Summer monsoons. Sunny skies, irrigation have helped cotton crops progress at a good pace.

**ARKANSAS:** Days suitable for fieldwork: 5.8 Soil moisture 5% very short, 37% short, 56% adequate, 2% surplus. Corn 79% silking, 61% 2000, 17% 5 yr. avg.; 2% poor, 25% fair, 54% good, 19% excellent. Rice 1% heading, 6% 2000, 3% 5 yr. avg.; 1% very poor, 4% poor, 28% fair, 48% good, 19% excellent. Sorghum 31% heading, 21% 2000, 16% 5 yr. avg.; 1% very poor, 3% poor, 31% fair, 50% good, 15% excellent. Cotton 98% squaring, 90% 2000, 88% 5 yr. avg.; 17% setting bolls, 6% 2000, 10% 5 yr. avg.; 1% very poor, 7% poor, 24% fair, 52% good, 16% excellent. Soybeans 96% planted, 90% 2000, 92% 5 yr. avg.; 90% emerged, 82% 2000, 84% 5 yr. avg., 23% blooming, 7% 2000, 9% 5 yr. avg.; 1% very poor, 6% poor, 34% fair, 48% good, 11% excellent. Wheat 93% harvested, 96% 2000, 92% 5 yr. avg.; Alfalfa Hay 5% poor, 37% fair, 56% good, 2% excellent. Other Hay 4% very poor, 22% poor, 35% fair, 36% good, 3% excellent. Pasture, Range feed 4% very poor, 15% poor, 39% fair, 38% good, 4% excellent. **FIELD CROP:** Soybean planting was winding down. Cotton, soybeans were being cultivated. Wheat harvest continued. Soybeans, rice were being sprayed with herbicides, being fertilized. Some cotton fields were being sprayed for aphids, boll weevils. Other activities included: Harvesting hay, fertilizing, liming, applying weed control in pastures. **LIVESTOCK, PASTURE, RANGE:** Cattle were in good condition. Cattle were being vaccinated, wormed. 1/Many reports

are received on Friday, may not reflect conditional changes due to weekend weather.

**CALIFORNIA:** Cotton plants continued to show robust growth. Cotton fields were being irrigated, fertilized, cultivated, treated for pests. Alfalfa hay, seed fields were thriving; fields were being cultivated, irrigated, sprayed with herbicides, insecticides. Cutting, windrowing, baling of alfalfa hay continued. In a few locations, alfalfa that was cut for hay may have been damaged by recent rain. The wheat, barley harvests were nearing completion in several areas, while other small grains were maturing. Recently harvested fields were being prepared for fall crops. Corn planting continued in several fields. Stands of field corn were being irrigated, cultivated, treated with herbicides, insecticides. Silage corn, sugarbeet fields were harvested in some locations. Dry bean harvest continued. Safflower was maturing well in several fields. Rice fields were being fertilized, sprayed for weevils, weeds. Fruit growers continued cultural activities that included: Weed control, fungicide applications, irrigation of trees, vines. Grape clusters continued to show good development. Grape growers treated fungal diseases, applied insecticides. Table grape harvest continued in the Coachella Valley with Thompson Seedless, Flame Seedless the primary varieties picked. Harvest of Flame Seedless, Summer Royal variety table grapes began in the San Joaquin Valley. Freestone peach growers were actively harvesting Rich Lady, Flavorcrest, Country Sweet, Brittney Lane varieties. The clingstone peach harvest continued in the Kingsburg area. Spring Bright, Spring Pearl, June Pearl, Honey Kist, Spring Diamond nectarines were being picked. Blackamber, Passion, Santa Rosa, Black Beaut variety plums were actively harvested. Harvest of Patterson apricots continued. Insecticides, fungicides were applied to apple trees. Pomegranates, figs continued to grow well, develop color. Grapefruit picking was active in Riverside County. The harvest of valencia oranges continued. Lemon harvest was active in the south coast area. Strawberry picking continued. Nut growers were irrigating trees, applying pesticides. Walnut orchards were treated for weeds, blight, codling moth. Almond growers were supporting limbs to bear the weight of the heavy nut set. Bell peppers, hot peppers, melons, eggplant, other summer vegetables continued to show strong growth; fields were being irrigated, treated for insect pests. Robust growth continued in processing tomatoes; fields were treated for insect control, irrigated, cultivated. Some bean fields were being sprayed for mites in the Stockton Delta region. The melon harvest continued to expand with cantaloupes, honeydews, watermelons being harvested in the San Joaquin Valley. Harvest of fresh market, processing onions continued. Several summer vegetables were being harvested, including sweet corn, garlic, fresh tomatoes, squash, peppers, green beans, cucumbers. Additional vegetables harvested include: Carrots, cilantro, garbanzo beans, Jalapeno peppers, Serrano peppers, eggplant, red, green leaf lettuce, romaine lettuce, okra leaves, basil, red, green onions, parsley, zucchini squash, spinach. Irrigated pastures were in fairly good condition where water was available. Non-irrigated summer pastures at higher elevations were deteriorating rapidly. Cooler temperatures in the central, northern valleys relieved stress to livestock, poultry. Bee activity continued in vegetable, field crops, mostly alfalfa, melon fields.

**COLORADO:** Days suitable for fieldwork 7.0. Topsoil 28% very short, 28% short, 44% adequate, 0% surplus. Subsoil moisture 22% very short, 33% short, 45% adequate, 0% surplus. Hot, mostly dry weather prevailed throughout the week with scattered afternoon thunder storms bringing moderate to heavy rain/hail to local areas. These conditions hastened development of small grain crops towards maturity. Spring barley 86% headed, 83% 2000, 85% avg.; 30% turning color, 24% 2000, 25% avg.; 2% very poor, 4% poor, 19% fair, 48% good, 27% excellent. Dry onions 0% very poor, 2% poor, 11% fair, 59% good, 28% excellent. Dry beans 94% emerged, 94% 2000, 93% avg.; 2% very poor, 4% poor, 12% fair, 70% good, 12% excellent. Sugar beets 0% very poor, 4% poor, 9% fair, 52% good, 35% excellent. Summer potatoes 0% very poor, 1% poor, 11% fair, 63% good, 25% excellent. Fall potatoes 2% very poor, 7% poor, 30% fair, 51% good, 10% excellent. Sunflowers 99% planted, 81% 2000, NA avg.; 0% very poor, 1% poor, 17% fair, 76% good, 6% excellent. Spring wheat 75% headed, 76% 2000, 65% avg.; 27% turning color, 34% 2000, 24% avg.; 3% very poor, 6% poor, 21% fair, 58% good, 12% excellent. Alfalfa 95% 1<sup>st</sup> cutting, 92% 2000, 87% avg.; 5% 2<sup>nd</sup> cutting, 6% 2000, 9% avg.

**DELAWARE:** Days suitable for field work 5. Topsoil 3% very short, 8% short, 77% adequate, 12% surplus. Subsoil moisture 3% short, 92% adequate, 5% surplus. Winter wheat 25% harvested, 52% 2000, 41% avg. Barley 84% harvested, 94% 2000, 95% avg. Field corn 7% silked, 11% 2000, 5% avg.; 6% poor, 19% fair, 64% good, 11% excellent. Soybeans 65% planted, 69% 2000, 80% avg.; 7% poor, 11% fair, 65% good, 17% excellent. Processing lima beans 75% planted, 89% 2000, 60% avg. Snap Beans 10% harvested, 9% 2000, 5% avg. Green peas 66% harvested, 87% 2000, 81% avg. Cucumbers 8% harvested, 11% 2000, 10% avg. Potatoes 5% harvested, 9% 2000, 6% avg. Sweet corn 2% harvested, 4% 2000, 2% avg. Apple 1% very poor, 2% poor, 36% fair, 29% good, 32% excellent. Peach 8% very poor, 39% fair, 37% good, 16% excellent. Range, pasture feed 5% poor, 17% fair, 65% good, 13% excellent. Other hay 55%, 2nd cutting harvested, 48% 2000, 42% avg. Alfalfa 53% 2nd cutting harvested, 62% 2000, 52% avg. All hay 3% short, 87% adequate, 10% surplus. Cool mornings, warm days early in the week, then warm mornings, hot days late in the week finally spawned thunderstorms Sat. afternoon. Field corn started to tassel/silk, helped along greatly by the warm temperatures. Early variety sweet corn being harvested, a few early variety peaches, apples picked last week. Blueberry, pea, snap bean harvest continues. A few early variety potatoes will be dug this week. Lots of soybeans being planted in barley, wheat stubble. Melon harvest will likely get underway next week.

**FLORIDA:** Topsoil, subsoil moisture vary from very short to surplus depending on rain amounts received recently. Cloudy skies keeping most temperatures below normal at major stations with temperatures averaging normal to 4° below. Most daytime highs 80s; nighttime lows, 60s, 70s. Alachua, Pierson recorded at least one low in 50s. Spotty showers replenishing soil moisture supplies in many Panhandle, Peninsula localities. Rainfall ranged from a little over 0.10 in. at Apopka, Avalon to almost 4.50 in. at Homestead, Miami. Hay making very active. Irrigated corn, tobacco, sugarcane, cotton in good condition. Tobacco, corn silage harvesting active. Most tobacco will be sold under contract with no markets scheduled to open. Peanut feed: 20% fair, 80% good with 65% of acreage pegged. Okra harvesting, Dade County, mostly steady with rainfall delaying some harvesting. Watermelon picking declining seasonally, northern areas, with truck shortage slowing some movement. Tomato harvesting active around Quincy with mostly good quality available. Hard rain all citrus areas, abundant new growth most trees. New crop fruit making good progress. Valencia harvest slowing. Grapefruit movement slow as supplies are about gone. Caretakers cutting cover crop, spraying, fertilizing, hedging topping, burning dead trees. Pasture feed 5% poor, 75% fair, 20% good. Cattle 5% poor, 65% fair, 30% good. Panhandle: pasture, cattle feed good following rain which boosted grass growth. North: recent rains great for pasture but delayed haying. Central: Pasture, in fair condition as rains only hit, miss; some locations received heavy rain, damaging hail; rainfall increasing pond, stream levels. West Central: pasture grass growing following ample rain; condition of cattle improved. Southwest: rainfall spotty, pasture feed mostly fair. Statewide: cattle feed mostly fair.

**GEORGIA:** Days suitable for field work 4.9. Soil moisture 10% short, 77% adequate, 13% surplus. Corn 56% dough, 69% 2000, 59% avg.; 15% dent, 32% 2000, 23% avg.; 4% mature, 6% 2000, 2% avg. Hay 1% very poor, 6% poor, 22% fair, 61% good, 10% excellent. Peanuts 69% blooming, 79% 2000, 83% avg. Sorghum 1% poor, 37% fair, 58% good, 4% excellent; 84% planted, 88% 2000, 90% avg. Soybeans 93% planted, 92% 2000, 92% avg.; 2% setting pods, 3% 2000, 1% avg. Tobacco 6% poor, 24% fair, 58% good, 12% excellent; 8% harvested, 12% 2000, 12% avg. Watermelons 2% very poor, 9% poor, 35% fair, 44% good, 10% excellent; 44% harvested, 66% 2000, 50% avg. Apples 27% poor, 43% fair, 17% good, 13% excellent. Peaches 2% poor, 9% fair, 65% good, 24% excellent; 54% harvested, 65% 2000, 63% avg. Pecans 5% poor, 25% fair, 57% good, 13% excellent. State experienced another week of welcomed showers. Rains of 8 inches or more were reported in several parts of the State. Temperatures were near normal in the southern part of the State, while slightly below normal in the North. Rains continue to improve crop conditions. Wheat harvesting is winding down, while quality was reported poor. There was an increase in disease pressure in vegetables, some row crops. Harvesting hay is being delayed due to moist conditions. Other activities include: Mowing pastures, weed control, the routine care of livestock, poultry.

**HAWAII:** Sunny, dry weather with beneficial showers was favorable for crop progress during the week. Moderate to heavy irrigation, regular spraying aided good crop development. Banana, papaya harvesting will remain active. Most fields were in good condition. Crop condition of vegetables ranged from mostly fair to good. Harvesting was steady for most vegetables, higher for summer crop such as sweet corn, watermelons due to warm, sunny weather.

**IDAHO:** Days suitable for field work 6.6. Topsoil 22% very short, 41% short, 37% adequate. Hot weather conditions prevailed through the last week of June. Much needed moisture was received in Northern areas with scattered rain throughout the rest of the state. Crops remain mostly in good condition. Irrigation water 7% good, 40% fair, 21% poor, 32% very poor. Potatoes 12" High 68%, 2000 71%, avg. 55%; closing middles 30%, 2000 31%, avg. 20%. Cherries 16% harvested, 27% 2000, 26% avg. Oats 52% headed, 38% 2000. Alfalfa hay 92% 1<sup>st</sup> cutting harvested, 89% 2000, 79% avg.; 23% 2<sup>nd</sup> cutting harvested, 18% 2000, 7% avg. Winter wheat 87% headed, 93% 2000, 90% avg.; 100% jointed; 100% booting; 18% turning color. Spring wheat 58% headed, 65% 2000, 44% avg.; 97% jointed; 83% booting; 5% turning color. Barley 54% headed, 62% 2000, 42% avg.; 97% jointed; 82% booting; 11% turning color. Activities: Cultivating, fertilizing, harvesting hay, spraying weeds, irrigating, picking cherries, monitoring pests, disease, moving livestock to summer range.

**ILLINOIS:** Days suitable for fieldwork 6.7. Topsoil moisture supplies 2% very short, 28% short, 67% adequate, 3% surplus. Corn average height 55 in., 56 in. 2000, 42 in. avg. Soybeans setting pods 1%, 1% 2000, 0% avg. Wheat 99% turning yellow, 100% 2000, 96% avg.; 92% ripe, 95% 2000, 80% avg. Oats 97% headed, 98% 2000, 91% avg.; 69% filled, 81% 2000, 61% avg.; 34% turning yellow, 33% 2000, 20% avg.; 12% ripe, 13% 2000, 6% avg.; 2% harvested, 3% 2000, 1% avg.; 2% poor, 21% fair, 64% good, 13% excellent. Alfalfa Hay second cutting 37%, 43% 2000, 26% avg.; 4% poor, 27% fair, 56% good, 13% excellent. Red clover cut 88%, 87% 2000, 82% avg.; 5% poor, 33% fair, 50% good, 12% excellent. Wheat harvest continued to move across the state last week with only minor delays caused by widely scattered showers. It was reported that the wheat quality was one of the best in recent years. The wheat crop was reported to be short in height which could lessen the availability of wheat straw for livestock operations. Farmers were wrapping up their double crop soybean planting in the south as quick as the wheat crop was harvested. Spraying for weeds in soybeans and some late planted corn continued. As the corn crop enters it's critical pollination period farmers are hoping for a few rainshowers and some cool weather to develop. Pest and disease problems are very minimal at this time. Fruit and vegetable growers were harvesting their first crops for roadside stands such as green beans, peaches and sweet corn. Condition of the soybean and corn crops declined slightly this past week as drier soils became more common after a week with very little rainfall. Farmers were also busy last week mowing/spraying roadsides and waterways, baling hay, completing paperwork at their local FSA and hauling the end of last years crop to market.

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**INDIANA:** Days suitable for fieldwork 6.1. Topsoil 1% very short, 13% short, 78% adequate, 8% surplus. Subsoil 3% very short, 17% short, 75% adequate, 5% surplus. Soil moisture declined, driest in western areas. Precipitation minimal. Corn, soybean growth, development continued to improve. Spraying for insects, weeds. Farmers cultivating more than normal to control weeds. Temperatures averaged 4° below to 3° above normal. Precipitation averaged 0 to 1.47 inches. Corn, soybean condition improved. Corn 78% good to excellent. Soybean 68% good to excellent. Winter wheat 69% good to excellent compared with 73% 2000. Range, pasture 4% very poor, 12% poor, 26% fair, 49% good, 9% excellent. Tobacco plants set 99% complete, 100% 2000, 81% avg. Alfalfa hay 2nd cutting 25% complete. Livestock mostly good condition. Major activities: Harvesting wheat, planting double crop soybeans, spraying chemicals, cultivating, cleaning, repair of equipment, baling hay, straw, moving grain to market, mowing roads, caring for livestock.

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**IOWA:** Days suitable for fieldwork 6.7. Topsoil 4% very short, 23% short, 63% adequate, 10% surplus. Subsoil moisture 8% short, 74% adequate, 18% surplus. A hot, dry week stimulated corn, soybean development, dried out surplus soil moisture, improved producers' moods. Producers in southern state planted soybeans, replanted corn, soybeans last week, though some fields will remain unplanted or drowned out. Farmers were also busy cultivating, spraying. Now, moisture would benefit row crops. Corn 60% cultivated, 81% 2000, 71% avg.; 89% normal, tallest height 43 in., 2000 60 in., avg. 48 in.; average height 30 in., 2000 46 in., avg. 36 in., 3% very poor, 8% poor, 27% fair, 50% good, 12% excellent. Soybeans 95% emerged, 100% 2000, 99% avg.; 6% blooming, 29% 2000, 12% avg.; 3% very poor, 9% poor, 29% fair, 50% good, 9% excellent, 87% headed, 99% 2000, 91% avg.; 18% turning color, 60% 2000, 29% avg.; 5% poor, 24% fair, 59% good, 12% excellent. Winter wheat 4% harvested, 29% 2000, 13% avg.; 6% poor, 31% fair, 49% good, 14% excellent. Pastures, hay ground could use moisture for continued growth. Producers continued to make excellent progress on hay cuttings. Alfalfa hay 91% 1st cutting, 100% 2000, 90% avg.; 5% 2nd cutting, 31% 2000, 14% avg. Clover hay 61% 1<sup>st</sup> cutting, 89% 2000, 67% avg. Hay very 1% poor, 3% poor, 21% fair, 58% good, 17% excellent. Pasture very 1% poor, 5% poor, 22% fair, 56% good, 16% excellent.

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**KANSAS:** Days suitable for field work 6.6. Topsoil 5% very short, 25% short, 67% adequate, 3% surplus. Subsoil moisture 2% very short, 19% short, 77% adequate, 2% surplus. Warm, dry weather enabled rapid wheat harvest. However, the warm temperatures, dry conditions are beginning to adversely affect dryland crops, particularly in the northwest district. Replanting of row crops continues in the northeast district due to heavy rains. Wheat 95% ripe, 100% 2000, 82% avg. Sorghum 97% emerged, 98% 2000. Sunflowers 97% emerged, 90% 2000, 3% poor, 24% fair, 63% good, 10% excellent. Alfalfa 80% 2nd cutting, 71% 2000, 51% avg. Stock water 1% very short, 6% short, 87% adequate, 6% surplus.

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**KENTUCKY:** Days suitable for fieldwork 5.2. Topsoil 10% very short, 28% short, 58% adequate, 4% surplus. Subsoil moisture 14% very short, 29% short, 54% adequate, 3% surplus. Fieldwork continued to progress with the major farm activity being cultivating tobacco, clipping pastures, hay cutting. Scattered showers were spotty with most areas still needing rain. Hot, humid conditions occurred during the latter part of the week, with temperatures 2° below normal. Reports of black shank, premature blooming were reported in burley. Set tobacco 1% very poor, 6% poor, 23% fair, 56% good, 14% excellent. Tobacco height 43% under 12 in., 40% 12-24 in., 17% over 24 in. Winter wheat 93% harvested.

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**LOUISIANA:** Days suitable for fieldwork 3.9. Soil moisture 5% short, 62% adequate, 33% surplus. Corn 8% fair, 69% good, 23% excellent; 93% silked, 98% 2000, 98% avg.; 73% dough stage, 68% 2000, 64% avg.; 3% mature, 19% 2000, 7% avg. Hay 95% 1<sup>st</sup> cutting, 92% 2000, 92% avg.; 22% 2<sup>nd</sup> cutting, 18% 2000, 7% avg. Peaches 61% harvested, 60% 2000, 61% avg. Rice producers continued to apply fungicides for sheath blight, spray for stink bugs. Soybeans 99% planted, 100% 2000, 98% avg.; 16% setting pods, 16% 2000, 9% avg. A few acres of soybeans were being replanted due to stands lost from the recent heavy rains. Sugarcane 2% very poor, 2% poor, 26% fair, 38% good, 32% excellent. Sugarcane farmers were scouting for borers, working fallow

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land. Sweet potatoes 97% planted, 97% 2000, 92% avg. Sweet potato planting edged closer to completion. Livestock 1% very poor, 3% poor, 27% fair, 51% good, 18% excellent. Vegetables 7% very poor, 13% poor, 32% fair, 38% good, 10% excellent. Commercial vegetables were experiencing wilting from excessive moisture, sun scalding.

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**MARYLAND:** Days suitable for field work 6.3. Topsoil 1% very short, 21% short, 76% adequate, 2% surplus. Subsoil moisture 9% short, 90% adequate, 1% surplus. Winter wheat 35% harvested, 37% 2000, 36% avg. Barley 75% harvested, 89% 2000, 86% avg. Field Corn 9% silked, 4% 2000, 7% avg.; 2% very poor, 5% poor, 27% fair, 55% good, 11% excellent. Soybeans 81% planted, 76% 2000, 77% avg.; 2% very poor, 5% poor, 36% fair, 51% good, 6% excellent. Cucumbers 31% harvested, 34% 2000, 23% avg. Lima beans 70% planted, 64% 2000, 70% avg.; 7% harvested, 5% 2000, 1% avg. Snap Beans 15% harvested, 20% 2000, 15% avg. Green peas 95% harvested, 91% 2000, 92% avg. Cantaloupes 3% harvested, 3% 2000, 3% avg. Tomatoes 5% harvested, 4% 2000, 3% avg. Peaches 3% harvested, 1% 2000, 3% avg.; 37% fair, 57% good 6% excellent. Potatoes 16% harvested, 18% 2000, 12% avg. Sweet Corn 2% harvested, 4% 2000, 4% avg. Tobacco 76% fair, 21% good, 3% excellent. Apple 1% poor, 40% fair, 54% good, 5% excellent. Range, pasture feed 1% very poor, 4% poor, 41% fair, 37% good, 17% excellent. Other hay 30% 2nd cutting harvested, 34% 2000, 25% avg. Alfalfa 42% 2nd cutting harvested, 40% 2000, 43% avg. All hay 1% very short, 1% short, 96% adequate, 2% surplus. With the dry conditions Monday through Friday, showers by the week's end, farmers were able to catch up on field activities such as cutting hay, harvesting winter wheat. The hot, dry conditions put stress on crops in some areas. The rains that ended the week help to curb these effects, however more moisture would be beneficial.

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**MICHIGAN:** Days suitable for fieldwork 7.0. Topsoil 3% very short, 24% short, 71% adequate, 2% surplus. Subsoil 1% very short, 13% short, 83% adequate, 3% surplus. All Hay 78% 1st cutting, 76% 2000, 83% avg.; 6.0% 2nd cutting, 5.0% 2000, 4.0% avg. Corn Height single 26 inch, 17 inch 2000, 22 inch avg. Drybeans 98% planted, 95% 2000, 89% avg.; 85% emerged, 76% 2000, 84% avg. Oats 75% headed, 54% 2000, 68% avg.; 22% turning yellow, 14% 2000, 12% avg. Soybeans 98% planted, 97% 2000, 98% avg. Strawberries 100% harvested, 96% 2000, 78% avg. Winter Wheat 72% turning yellow, 84% 2000, 58% avg. Warmer weather across State provided nearly ideal growing conditions for crops, field work. Temperatures ranged 8° above normal western Upper Peninsula, to normal in western Lower Peninsula. Growing degree days (GDD) above normal in some areas of State. Average rainfall amounts ranged from no precipitation eastern Upper Peninsula to .10 inches eastern Lower Peninsula. Some soybeans still being planted. In southeast state, soybeans at fourth trifoliate leaf stage. Japanese beetles observed some fields. Post emergence spraying remained a challenge as weed heights exceeded recommended stage for control. Corn ranged from fresh seed ground to V9 shoulder high corn. Hot weather led to rapid growth but some leaves were curling during day. Wheat turning color rapidly, harvest is near. Some armyworm damage reported with above average growth. Head scab becoming evident. Some powdery mildew present. Sugarbeets growing well. Large volumes of hay being harvested with good weather. Most growers reported average to poor quality with big yields. Potato leafhoppers at threshold levels some fields. Dry beans emerged quickly with warmer soil temperatures, excellent conditions. Bean beetles feeding on untreated fields. Barley starting to head. Pastures drying out with warm, dry weather. Insect activity increased last week as a result of warming temperatures. Significant increases obliquebanded leafrollers, cranberry fruitworms, codling moths seen across State. Potato leaf hoppers common across southern state. Aphid numbers southeast on increase. Apples continued to size well across State. June drop heavy last week southeast. Apple scab common many orchards. Fireblight symptoms scarce. Peach growers finished hand thinning. Southeast peach growers anticipating a large crop. Sweet cherry harvest began. Some weather related cracking reported. Tart cherry growers harvesting southwest. Strawberry harvest beginning to slow. Leather rot, gray mold reported some fields. Slugs continued to be a problem. Blueberry harvest continued. Blueberry maggots caught southwest. Grapes had buckshot-sized berries. Concord reported to have lost a significant number of berries during June drop. Raspberry harvest full swing southwest, just beginning southeast. Fruit set brambles reported as fair. Cranberries blooming. Cabbage harvest full swing. Cantaloupe plants early flower while tunneled melons softball size.

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Cucumber harvest from tunnel-grown plants continued and early direct seeded cucumbers had 3-inch fruit. Onions continued to progress with some bulbs reaching three-fourths inch. Pea harvest full swing. Peppers have finally begun to grow, flowering. Potato development ranged from emergence, tuberizing, filling rows, harvesting. Irrigation has started. Pumpkins at early fruit set. Snap beans making rapid progress. Sweet corn silking with harvest to begin about a week. Summer squash made tremendous growth, harvest volume increased. Processing tomatoes setting fruit early fields.

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**MINNESOTA:** Days suitable for field work 6.0. Topsoil 0% very short, 7% short, 75% adequate, 18% surplus. Corn 21 in. height, 33 in. 2000, 31 in. avg. Soybeans 7 in. height, 10 in. 2000, 9 in. avg. Spring Wheat 78% jointed, 95% 2000, 86% avg. Oats 87% jointed, 96% 2000, 95% avg. Barley 83% jointed, 95% 2000, 87% avg. Sweet corn 98% planted, 99% 2000, 99% avg. Alfalfa 91% 1<sup>st</sup> cutting, 93% 2000, 94% avg. Pasture feed 1% very poor, 3% poor, 26% fair, 56% good, 14% excellent. Sugarbeets 1% very poor, 5% poor, 25% fair, 61% good, 8% excellent. Hot, humid conditions accelerated crop development. While crop conditions improved across the state, crops in light, sandy soils are beginning to show signs of stress. The statewide average temperature was 6.7° above normal while the statewide average precipitation was 0.63 inch below normal. The hot temperatures removed excess moisture which allowed fields to support equipment for herbicide application. Spraying was still delayed in some areas due to strong winds.

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**MISSISSIPPI:** Days suitable for fieldwork 5.8. Soil moisture 3% very short, 21% short, 69% adequate, 7% surplus. Corn 91% silked, 89% 2000, 82% avg.; 56% dough, 53% 2000, 43% avg.; 19% dent, 16% 2000, 13% avg.; 2% poor, 14% fair, 56% good, 28% excellent. Cotton 89% squaring, 90% 2000, 86% avg.; 30% setting bolls, 29% 2000, 29% avg.; 6% poor, 17% fair, 57% good, 20% excellent. Rice 6% heading, 3% 2000, 8% avg.; 2% poor, 17% fair, 58% good, 23% excellent. Sorghum 53% heading, 31% 2000, 32% avg.; 2% poor, 13% fair, 58% good, 27% excellent. Soybeans 63% blooming, 58% 2000, 48% avg.; 42% setting pods, 24% 2000, 14% avg.; 2% poor, 23% fair, 52% good, 23% excellent. Wheat 100% harvested, 100% 2000, 95% avg. Hay (Warm Season) 50% harvested, 42% 2000, 47% avg.; 2% very poor, 5% poor, 34% fair, 46% good, 13% excellent. Watermelons 25% harvested, 11% 2000, 19% avg.; 1% very poor, 10% poor, 22% fair, 51% good, 16% excellent. Blueberries 1% very poor, 2% poor, 22% fair, 47% good, 28% excellent. Sweetpotatoes 95% planted, 93% 2000, 83% avg.; 3% poor, 45% fair, 49% good, 3% excellent. Cattle 3% poor, 19% fair, 62% good, 16% excellent. Pasture 1% very poor, 4% poor, 26% fair, 50% good, 19% excellent. Most crops are progressing ahead of the 5-year average throughout the state. Insect pressure has lessened in many parts of the state.

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**MISSOURI:** Days suitable for fieldwork 6.0. Topsoil 3% very short, 19% short, 71% adequate, 7% surplus. Rainfall averaged 0.41 of an inch ranging from 0.52 of an inch in Bootheel to 1.01 inches in northwest. Temperatures 5° above normal in northwest to 6° below normal in Bootheel. Corn 2% very poor, 8% poor, 28% fair, 42% good, 20% excellent, 32% silked, 43% 2000, 22% normal. Single-crop soybean 96% planting complete (92% of all soybeans), 100% 2000, 98% normal, 87% emerged, 99% 2000, 70% Double-crop planted, 67% 2000, 46% normal, 4% very poor, 15% poor, 41% fair, 33% good, 7% excellent. Sorghum 97% planting, 100% 2000, 99% normal, 1% very poor, 4% poor, 35% fair, 52% good, 8% excellent. Winter wheat 85% harvested, 74% 2000, 54% normal. Pasture, range feed 5% very poor, 11% poor, 31% fair, 42% good, 11% excellent. Alfalfa 99% 1st-crop cut, 100% 2000, 97% normal. Other hay 74% cut, 82% 2000, 71% normal.

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**MONTANA:** Days suitable for fieldwork 5.9. Topsoil 12% very short, 38% short, 47% adequate, 3% surplus. Subsoil moisture 38% very short, 36% short, 25% adequate, 1% surplus. Hay is now being harvested at a good clip in the state. Alfalfa 1<sup>st</sup> 28% complete, 53% in 2000. Other hay 14% 1<sup>st</sup> cutting complete, 34% 2000. Winter wheat 98% in the boot stage, 100% 2000, 89% headed, 99% 2000, 32% turning, 41% 2000, 42% very poor, 38% poor, 15% fair, 4% good, 1% excellent. Spring wheat 66% boot, 74% in 2000, 26% headed, 44% 2000. 1% turning, 0% 2000,

17% very poor, 19% poor, 29% fair, 31% good, 4% excellent. Barley 84% boot, 66% 2000, 47% headed, 43% in 2000, 5% turning for the state, 0% 2000, 17% very poor, 23% poor, 39% fair, 19% good, 2% excellent. Oats 69% in boot, 24% headed, 1% turning, 71%, 46% and 0% 2000, 9% very poor, 18% poor, 30% fair, 36% good, 7% excellent. Sugar beets 0% very poor, 8% poor, 32% fair, 48% good, 12% excellent. Dry beans 3% very poor, 6% poor, 36% fair, 46% good, 9% excellent. Corn 1% very poor, 4% poor, 26% fair, 52% good, 17% excellent. Potatoes 0% very poor, 0% poor, 26% fair, 41% good, 33% excellent. Pasture, supplemental feed continues to be short in the state. Water for livestock is also a concern. Producers are continuing to cull their herds, sell early, especially in the north-central part of the state. Range, pasture feed 19% very poor, 34% poor, 31% fair, 14% good, 2% excellent. Livestock receiving supplemental feed 18% for cattle, calves, 10% for sheep, lambs. All livestock has been moved to summer ranges.

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**NEBRASKA:** Days suitable for fieldwork 6.6. Topsoil, subsoil moisture supplies adequate to short. Winter wheat 5% very poor, 18% poor, 39% fair, 34% good, 4% excellent; 90% turning color, 100% 2000, 88% avg.; 4% harvested, 48% 2000, 13% avg. Temperatures for the week averaged 2 to 6° above normals east, 8 to 11° above normals west. Precipitation light except for northeast which ranged to over 3.0 inches. Oats 1% very poor, 8% poor, 31% fair, 53% good, 7% excellent; 90% headed, 96% 2000, 93% avg. Corn 1% very poor, 4% poor, 24% fair, 55% good, 16% excellent; 1% silked, 3% 2000, 1% avg. Soybeans 1% very poor, 7% poor, 29% fair, 53% good, 10% excellent. Sorghum 1% very poor, 3% poor, 34% fair, 56% good, 6% excellent. Alfalfa 2% very poor, 9% poor, 33% fair, 49% good, 7% excellent; 20% 2nd cutting harvested, 36% 2000, 12% avg.. Pasture, range feed 1% very poor, 10% poor, 33% fair, 50% good, 6% excellent. Native hay harvest progressing.

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**NEVADA:** Above normal temperatures continued through the week. Limited thundershowers passed through the State midweek. Reno received .20 inch of precipitation; most areas received just a trace. Wildfire in the Sierra area was completely contained by the end of the week. Continued warm weather advanced crop growth. Lack of irrigation water threatening crop production in many areas. Alfalfa condition generally good. Alfalfa first cutting complete; second cutting underway in northern valleys. Harvest of other hay was active. Harvest of winter wheat, barley for hay continued. Potato condition improved. Onion, garlic condition Lack of water, deteriorating range feeds forcing some livestock movement. Crickets, grasshoppers damaging range, crops in some northern areas. Main farm, ranch activities: Haying, moving livestock, irrigation.

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**NEW ENGLAND ;** Days suitable for fieldwork 6.2. Topsoil 1% very short, 21% short, 69% adequate, 9% surplus. Subsoil moisture 10% very short, 11% short, 69% adequate, 10% surplus. Pasture feed 0% very poor, 3% poor, 28% fair, 49% good, 20% excellent. Maine potatoes 100% emerged, 99% 2000, 95% avg.; condition good to excellent. Rhode Island potatoes: Condition good to fair. Massachusetts potatoes 100% emerged, 100% 2000, 100% avg.; condition good to excellent. Oats in Maine: Condition good to excellent. Barley in Maine: Condition good to excellent. Field corn 99% planted, 95% 2000, 99% avg.; 95% emerged, 85% 2000, 95% avg.; condition good to excellent. Sweet corn 99% planted, 95% 2000, 95% avg.; 85% emerged, 80% 2000, 90% avg.; condition good. Shade Tobacco: Condition good. Broadleaf Tobacco 100% transplanted, 95% 2000, 95% avg.; condition good. Hay 1st crop 85% harvested, 60% 2000, 70% avg.; condition good. Hay 2<sup>nd</sup> crop 10% harvested, 5% 2000, 5% avg.; condition good. Apples: Condition poor in CT, RI, good elsewhere; fruit size avg. Peaches: Condition good to fair; fruit size avg. to below avg. Pears: Condition poor; fruit size below avg. to avg. Strawberries 65% harvested, 55% 2000, 60% avg.; condition very poor in CT, fair in RI, good to excellent elsewhere. Cranberries in MA: Full Bloom to Petal Fall Stage; fruit set avg.; fruit size avg.; condition good to fair. Highbush blueberries: Condition fair; fruit size avg. Wild Blueberries: Condition good; fruit size below avg. Hot, muggy weather continued last week until heavy rains hit most parts of state over the weekend, cooler temperatures moved in. Weather remained favorable for both fieldwork, crop growth. Armyworm outbreaks causing extensive damage to corn, hay crops at some locations. Major farm activities: Planting sweet corn; cultivating, hilling potatoes; spreading manure; transplanting some vegetables; testing soils for nitrate; sidedressing fields with fertilizer; cutting hay, chopping haylage; harvesting strawberries,

summer squash, cole crops, peas, zucchini, radishes, other vegetables; spraying for weeds, insects, fungus.

**NEW JERSEY:** Days suitable for field work 6.2. Topsoil moisture supplies were rated 5% short, 74% adequate, and 21% surplus. Wheat and barley were rated in mostly good to fair condition. Winter Wheat harvested 45%. Barley harvested 34%. Corn condition was rated 1% very poor, 4% poor, 29% fair, 65% good and 1% excellent. Soybeans planted 94%. Soybean condition was rated 16% fair and 84% good. Hay producers continued to make good progress on the second cutting of alfalfa. Producers in some localities reported problems with army worms and have begun spraying fields. Other activities included harvesting vegetables, planting soybeans, and weed control. Vegetable producers continued to make good progress harvesting peas, summer squash, beets, zucchini, dill and parsley. Snap beans, peppers and cucumbers were rated in mostly good condition with some producers beginning harvest early. Cantaloupe, fresh market tomatoes, lima beans and sweet corn were also rated in mostly good condition. Blueberries were rated in mostly good to excellent condition with harvest nearly 20% completed in some locations.

**NEW MEXICO:** Days suitable for field work 6.9. Temperatures were close to normal at most locations during the week, with a statewide average of 1° above normal. Hit, miss showers, thunderstorms produced measurable precipitation at all but a few sites. Soil moisture 27% very short, 34% short, 39% adequate. Farmers spent the week irrigating crops, harvesting wheat, onions, alfalfa. The alfalfa condition declined slightly with 37% of the 3<sup>rd</sup> cutting complete. Cotton was in fair to excellent condition with 70% squaring, 12% of the crop setting bolls. The chile crop seemed to be enjoying the warm weather with 3/4 of the crop showing, average pod set last week. Onions, corn were in fair to excellent with over 50% of the onion crop harvested, 20% of the corn crop tasseled. The wheat, sorghum crops were in poor to good condition with wheat 88% harvested, sorghum 85% planted. Ranchers spent the week working on water supplies, mending fences. Cattle, sheep conditions varied from very poor to excellent across the state. Pasture, range feed 7% very poor, 32% poor, 41% fair, 19% good, 1% excellent.

**NEW YORK:** Days suitable 5.6. Topsoil 12% short, 72% adequate, 16% surplus. Hot, sunny week interrupted by occasional severe thunderstorms. Field crop plantings completed, haymaking active. Pasture feed 3% poor, 14% fair, 73% good, 10% excellent. Hay 4% poor, 13% fair, 67% good, 16% excellent. Alfalfa 1<sup>st</sup> t cut 93% complete, 62% 2000, 82% avg. Clover-timothy 98% harvested, 49% 2000, 73% avg. Grass silage 91% harvested, 76% 2000, 87% avg. Corn, soybeans growing rapidly. Dry beans 97% seeded, 51% 2000, 79% avg. Wheat 53% good, turning color as harvest approaches. Oats 53% good, some weed problems noted in late planted fields. Vegetable crops thriving. Strawberry harvest winding down. Sweet corn harvest at least a week away. Hudson Valley cherry harvest full swing, some splitting reported.

**NORTH CAROLINA:** Days suitable for fieldwork is practically unchanged at 5.3 compared to last week's estimate of 5.4. Topsoil 2% very short, 19% short, 67% adequate, 12% surplus. State weather has settled into it's typical summer pattern. While high pressure dominated the entire State, sporadic systems moved through bringing thunderstorms to scattered areas. Highs have been in the 90's for most of the Piedmont, Coastal Plain, with slightly cooler weather in the Mountains. Many areas continue to experience an annual precipitation deficit, but timely rainfall should support the major crops. Soybean farmers continue to make planting progress, remain a few days ahead of schedule. The wet weather in many areas slowed wheat harvest, though harvest of other small grains is nearing completion. Other activities included: Planting sweet potatoes, harvesting hay, Irish potatoes, along with scouting for pests, conducting pest management in all crops. Phenologically, corn is over half silked which means rainfall will be of premium importance over the next couple of weeks in order to ensure good pollination. Likewise, cotton squaring, peanuts pegging, soybeans blooming will require adequate moisture to bolster yield potential.

**NORTH DAKOTA:** Days suitable for fieldwork 5.9. Topsoil 0% very short, 5% short, 81% adequate, 14% surplus. Subsoil moisture 0% very short, 5% short, 79% adequate, 16% surplus. Seasonably warm temperatures, dry conditions most of the week promoted good plant

growth, allowed haying to progress. Durum wheat 65% jointed, 74% 2000, 61% avg.; 28% boot, 41% 2000, 31% avg 10% headed, 18% 2000, 13% avg. Canola 90% rosette, 96% 2000, 84% avg 44% blooming, 57% 2000, 42% avg. Dry edible beans 2% blooming, 0% 2000, 3% avg. Potatoes 12% blooming, 4% 2000, 8% avg. Emerged crop conditions: Durum wheat 1% very poor, 2% poor, 24% fair, 65% good, 8% excellent. Canola 1% very poor, 2% poor, 18% fair, 61% good, 18% excellent. Dry edible beans 0% very poor, 4% poor, 24% fair, 55% good, 17% excellent. Flaxseed 0% very poor, 1% poor, 16% fair, 69% good, 14% excellent. Potatoes 0% very poor, 1% poor, 9% fair, 47% good, 43% excellent. Sugarbeets 0% very poor, 6% poor, 16% fair, 57% good, 21% excellent. Sunflowers 0% very poor, 2% poor, 19% fair, 66% good, 13% excellent. Broadleaf, wild oat spraying 84% and 93% complete, respectively. Pasture feed 0% very poor, 6% poor, 21% fair, 60% good, 13% excellent. Hay conditions are estimated at 88% of normal. Stockwater supplies 0% very short, 1% short, 90% adequate, 9% surplus. Alfalfa 1<sup>st</sup> 44% cutting complete while other hay was 14% complete.

**OHIO:** Days suitable for fieldwork 6.5. Topsoil 1% very short, 23% short, 72% adequate, 4% surplus. Alfalfa hay 97% 1<sup>st</sup> cutting, 92% 2000, 93% avg.; 16% 2<sup>nd</sup> cutting, 19% 2000, 19% avg. Corn 1% silked, 0% 2000, 0% avg. Cucumbers 85% planted, 89% 2000. Oats 91% headed, 94% 2000, 85% avg.; 4% ripe, 5% 2000, 8% avg. Other hay 93% 1<sup>st</sup> cutting, 85% 2000, 85% avg.; 6% 2<sup>nd</sup> cutting, 7% 2000, 9% avg. Soybeans 12% bloomed, 11% 2000, 7% avg.; 99% emerged, 95% 2000, 93% avg. Strawberries 92% harvested, 96% 2000, 88% avg. Tobacco 100% transplanted, 100% 2000. Winter wheat 3% harvested, 14% 2000, 9% avg.; 24% ripe, 72% 2000, 52% avg.; 100% turning, 100% 2000, 84% avg. Corn 1% very poor, 5% poor, 23% fair, 55% good, 16% excellent. Hay 1% very poor, 8% poor, 30% fair, 52% good, 9% excellent. Oat 1% very poor, 3% poor, 24% fair, 63% good, 9% excellent. Pasture feed 1% very poor, 4% poor, 24% fair, 58% good, 13% excellent. Soybean 3% very poor, 9% poor, 30% fair, 48% good, 10% excellent. Winter wheat 1% very poor, 5% poor, 22% excellent, 56% good, 16% excellent. Activities throughout the state include: Harvesting wheat, barley, mowing ditches, feedlots, applying nitrogen, herbicides, finishing up the replanting of soybeans, corn, making hay, chopping silage, repairing equipment, buildings, hauling grain, spraying orchards, scouting fields for insects, diseases, shearing Christmas trees, planting cucumbers, pumpkins, picking strawberries, raspberries, harvesting sweet corn, tomatoes, peas, other vegetables. Livestock conditions are mostly in the good to excellent range. Heat, humidity, face flies, horse flies, mosquitos contributed to livestock stress throughout the state.

**OKLAHOMA:** Days suitable for fieldwork 5.9. Topsoil 5% very short, 40% short, 52% adequate, 3% surplus. Subsoil moisture 2% very short, 24% short, 71% adequate, 3% surplus. Wheat 62% plowed, 43% last week, 49% 2000, 43% avg. Oats 95% harvested, 79% last week, 74% 2000, 78% avg.; 62% plowed, 44% last week, 31% 2000, 34% avg. Corn 1% poor, 11% fair, 72% good, 16% excellent; 26% silking, 23% last week, 13% 2000, 26% avg.; 9% dough, n/a last week, 3% 2000, 6% avg. Sorghum 98% planted, 89% last week, 86% 2000, 91% avg.; 89% emerged, 82% last week, 77% 2000, 75% avg. Soybeans 1% very poor, 7% poor, 45% fair, 38% good, 9% excellent; 95% planted, 91% last week, 85% 2000, 86% avg.; 90% emerged, 84% last week, 78% 2000, 74% avg.; 13% blooming, n/a last week, 5% 2000, 9% avg. Peanuts 2% setting pods, n/a last week, 0% 2000, 3% avg. Cotton 98% emerged, 93% last week, 99% 2000, 97% avg. Alfalfa Hay 3% poor, 27% fair, 59% good, 11% excellent; 95% 2<sup>nd</sup> cutting, 80% last week, 71% 2000, 73% avg.; 20% 3<sup>rd</sup> cutting, n/a last week, 6% 2000, 12% avg. Other Hay 1% very poor, 7% poor, 39% fair, 49% good, 4% excellent; 84% 1<sup>st</sup> cutting, 81% last week, 75% 2000, 70% avg.; 14% 2<sup>nd</sup> cutting, 3% last week, 6% 2000, 6% avg. Watermelons 82% setting fruit, 63% last week, 58% 2000, 58% avg.; 11% harvested, n/a last week, 0% 2000, 1% avg. Livestock 2% poor, 18% fair, 68% good, 12% excellent; Cattle auctions reported average marketings for the week. The price for feeder steers less than 800 pounds was steady from last week, averaged \$94.40 per cwt. The price for feeder heifers less than 800 pounds was also steady from last week, averaged \$89.80 per cwt.

**OREGON:** Days suitable for fieldwork 6. Topsoil 10% very short, 59% short, 31% adequate. Subsoil 28% very short, 48% short, 24% adequate. Irrigation Water Supply 22% very short, 34% short, 44% adequate. Barley 20% very poor, 23% poor, 38% fair, 15% good, 4% excellent. Winter wheat 10% very poor, 24% poor, 44% fair, 22% good. Range, Pasture 7%

very poor, 27% poor, 33% fair, 31% good, 2% excellent. Activities: Crop improved with rainfall. Haying continued state wide. Some down hay became wet. Mid- Columbia basin rain helped spring planted grains, but for most winter wheat, fall barley it came too late. Klamath Basin irrigated grain showed extreme stress; some was cut for hay. Malheur County winter wheat heads not filling due to hot weather. Willamette Valley grass seed harvest continued. Crimson clover swathing continued. Nurseries, greenhouses busy with irrigation, summer clean up, maintenance. Southern coast easter lily growers reviewed research progress at their summer field day. Severe hail caused sweet cherry loss of 30% to 50% in Willamette Valley; damage in other areas being assessed. Strawberries also suffered loss. Rains stopped fresh market sales for two to three days. Raspberry picking began, marionberries turned red. Southern coast growers continued to monitor insect, disease situation. Rogue River Valley strawberry harvest near completion. Crane berries set fruit, blueberries ripened. Jefferson County potato rows reported 50% closed with normal crop. Willamette Valley vegetables grew well with salad greens going to market, green beans picked in some areas. Table beets reported in good condition, peas full bloom to mid pod. Rain caused splitting in elephant garlic which may affect braided garlic market later this year. Josephine, Jackson counties reported late planting in vegetable fields. Onions, processing sweet corn grew well. Range, pasture feeds improved slightly with rainfall. However, more moisture is needed as statewide range, pasture 34% poor to very poor. Klamath County livestock continued movement from non- irrigated pasture. Some domestic wells used for supplemental livestock water have exceeded their capacity. Livestock conditions continue to be mostly good.

**PENNSYLVANIA:** Days suitable for field work 5.9. Soil moisture 6% very short, 20% short, 70% adequate, 4% surplus. Corn 31% height, 29% 2000, 24% avg.; 2% very poor, 6% poor, 25% fair, 50% good, 17% excellent. Barley 91% ripe, 85% 2000, 81% avg.; 73% harvested, 74% 2000, 63% avg. Winter wheat 85% turning yellow, 91% 2000, 84% avg.; 13% ripe, 33% 2000, 31% avg.; 1% very poor, 3% poor, 32% fair, 59% good, 5% excellent. Oats 78% heading, 94% 2000, 83% avg.; 19% turning yellow, 19% 2000, 20% avg.; 1% very poor, 6% poor, 31% fair, 53% good, 9% excellent. Soybeans 96% emerged, 96% 2000, 1% very poor, 5% poor, 19% fair, 60% good, 15% excellent. Tobacco 98% transplanted, 100% 2000, 98% avg. Alfalfa 95% 1<sup>st</sup> cutting, 88% 2000, 89% avg.; 45% 2<sup>nd</sup> cutting, 25% 2000, 31% avg. Timothy clover 79% 1<sup>st</sup> cutting, 62% 2000, 69% avg.; 12% 2<sup>nd</sup> cutting, 3% 2000, 3% avg. Peach 10% poor, 17% poor, 11% fair, 58% good, 4% excellent. Apple 1% very poor, 3% poor, 14% fair, 76% good, 6% excellent. Quality of hay made 1% very poor, 3% poor, 30% fair, 49% good, 17% excellent. Pasture feeds 6% very poor, 15% poor, 25% fair, 46% good, 8% excellent. Activities include: Planting vegetables; harvesting barley; fixing fences; making hay, haylage; caring for livestock; machinery maintenance; spreading lime, fertilizers; hauling manure; applying pesticide; filling silos.

**SOUTH CAROLINA:** Days suitable for field work 5.2. Soil moisture 1% very short, 17% short, 75% adequate, 7% surplus. Barley 100% ripe, 100% 2000, 100% avg.; 97% harvested, 100% 2000, 98% avg. Oats 100% ripe, 100% 2000, 100% avg.; 97% harvested, 100% 2000, 98% avg. Rye 95% harvested, 98% 2000, 97% avg. Sorghum 92% planted, 97% 2000, 92% avg.; 2% very poor, 7% poor, 16% fair, 71% good. Cotton 99% planted, 100% 2000, 100% avg.; 6% poor, 30% fair, 59% good, 5% excellent. Peanuts 100% planted, 100% 2000, 100% avg.; 35% pegged, 26% 2000, 31% avg.; 31% fair, 54% good, 15% excellent. Soybeans 96% planted, 94% 2000, 92% avg.; 86% emerged, 84% 2000, N/A avg.; 7% bloomed, 13% 2000, N/A avg.; 3% poor, 17% fair, 68% good, 12% excellent. Winter Wheat 100% ripe, 100% 2000, 98% avg.; 96% harvested, 100% 2000, 96% avg. Corn 85% Silked, 91% 2000, 87% avg.; 33% doughed, 48% 2000, 40% avg.; 2% very poor, 5% poor, 20% fair, 52% good, 21% excellent. Pasture feed 1% very poor, 4% poor, 34% fair, 54% good, 7% excellent. Sweetpotatoes 94% planted, 98% 2000, 99% avg.; 5% poor, 14% fair, 81% good. Tobacco 55% topped, 63% 2000, 55% avg.; 1% very poor, 4% poor, 15% fair, 62% good, 18% excellent. Peaches 39% harvested, 43% 2000, 36% avg.; 8% poor, 27% fair, 48% good, 17% excellent. Apples 31% poor, 45% fair, 24% good. Snap beans, Fresh, 76% harvested, 76% 2000, 62% avg.; 20% poor, 60% fair, 20% good. Cucumbers, 97% harvested, 96% 2000, 82% avg. Watermelons, 52% harvested, 54% 2000, 47% avg.; 2% very poor, 9% poor, 61% fair, 28% good. Tomatoes Fresh, 66% harvested, 77% 2000, 68% avg.; 2% poor, 18% fair, 80% good. Cantaloups 65% harvested, 63% 2000, 58% avg.; 3% poor, 38% fair, 59% good. Livestock 1% poor, 24% fair, 59% good, 16% excellent.

**SOUTH DAKOTA:** Days suitable for field work 5.8. Topsoil 3% very short, 13% short, 75% adequate, 9% surplus. Subsoil moisture 1% very short, 11% short, 72% adequate, 16% surplus. Feed 3% very short, 9% short, 82% adequate, 6% surplus. Stock water 4% short, 80% adequate, 16% surplus. Winter Rye 8% very poor, 6% poor, 26% fair, 50% good, 10% excellent, 100% boot, 100% 2000, 100% avg.; 96% headed, 100% 2000, 98% avg.; 14% turning color, 66% 2000, 36% avg.; 0% ripe, 9% 2000, 6% avg.; 99% boot, 100% 2000, 99% avg.; 15% turning color, 78% 2000, 48% avg.; 0% ripe, 12% 2000, 6% avg. Spring Wheat 84% boot, 97% 2000, 87% avg.; 1% turning color, 8% 2000, 12% avg. Barley 86% boot, 98% 2000, 86% avg.; 1% turning color, 15% 2000, 14% avg. Oats 83% boot, 95% 2000, 85% avg.; 5% turning color, 22% 2000, 10% avg.; 0% ripe, 2% 2000, 1% avg. Corn 0% tassled, 2% 2000, 1% avg.; corn height in inches 19in., 26in. 2000, 21in. avg.; 84% cultivated once, 86% 2000, 75% avg.; 19% cultivated twice, 37% 2000, 25% avg. Sunflower 2% poor, 21% fair, 66% good, 11% excellent, 97% planted, 100% 2000, 97% avg. Alfalfa hay 3% very poor, 12% poor, 29% fair, 44% good, 12% excellent, 83% 1<sup>st</sup> cutting harvested, 89% 2000, 79% avg.; 3% 2<sup>nd</sup> cutting harvested, 12% 2000, 6% avg. Other hay 36% harvested, 46% 2000, 32% avg. Range, Pasture 1% very poor, 4% poor, 20% fair, 57% good, 18% excellent. Cattle 13% fair, 65% good, 22% excellent. Sheep 8% fair, 78% good, 14% excellent. Sunshine throughout the week and warm temperatures aided crop development. Small grains and row crops made large jumps in their respective development stages but still lag behind the previous year's marks. Livestock remain in good to excellent condition with good pasture conditions and adequate water supplies.

**TENNESSEE:** Days suitable for fieldwork 5.0. Topsoil 2% very short, 20% short, 73% adequate, 5% surplus. Subsoil moisture 4% very short, 25% short, 67% adequate, 4% surplus. Wheat 96% harvested, 93% 2000, 87% avg. Tobacco 1% very poor, 2% poor, 13% fair, 64% good, 20% excellent. Alfalfa 73% 2<sup>nd</sup> cutting, 38% 2000, 31% avg. Pastures 2% very poor, 5% poor, 25% fair, 56% good, 12% excellent. Cattle 1% very poor, 3% poor, 16% fair, 66% good, 14% excellent. An upper level storm system which drifted across the State last week brought rain to much of state, especially the eastern third. Most row crops, hay, pastures were rated in mostly good condition by week's end with no major problems with insects or disease reported. Despite the widespread showers, winter wheat harvest was virtually complete as of Sunday evening. Harvest of this year's wheat crop was nearly a week ahead of the State's 5-yr avg. Above average yields were reported in several locations. Producers were also busy wrapping-up soybean planting last week by putting the finishing touches on their double-cropped acreage. The State's cotton crop continued to show steady improvement.

**TEXAS:** Mostly hot, dry windy conditions persisted across most portions of the state further depleting existing soil moisture. Some thunderstorms brought high winds, hail to various locations across the Plains in early week. Some heavy downpours caused localized flooding in portions of North, East State. Elsewhere, most other areas of the state experienced spotty showers or localized storms but, only brought limited to little relief to crops, pastures. Irrigation remained necessary where possible, some irrigated crops were also showing signs of moisture stress. Planting continued to be delayed for some crops, some newly planted fields have not emerged as a result of the dry conditions. Zeroing out or abandonment of dryland acres continued across many regions of the state. Supplemental feeding continued to increase in most areas, some producers continued to reduce their livestock herds as hay supplies were inadequate. Hauling water to livestock continued in varied locations. Grasshopper populations continued to expand across the state, in some locations trees were being stripped along with most other green vegetation. Field Crops: Small Grains: Wheat harvest activities continued across the Plains, was virtually complete in other areas of the state. Corn: Development of irrigated corn continued to be good across the state however, dryland acres were suffering in most areas. Zeroing out of some dryland acres continued, some producers were baling their crop to increase their hay supplies. Corn 69% of normal compared with 85% 2000, 49% dough, 57% 2000, 46% avg.; 33% dented, 38% 2000, 27% avg.; 9% mature, 10% 2000, 4% avg. Cotton: Growth, development continued but, mostly in irrigated acres. Drought conditions have devastated a large portion of dryland acres while some cotton was lost to hail in portions of the Plains. Damage from insect populations also continued to expand in some locations. Cotton 55% of normal compared with 78% 2000, 2% bolls opening, 3% 2000, 3% avg.; Sorghum: Most

planting behind failed cotton was completed at this time however, more planting could occur if rains are received soon. Earlier planted sorghum made some progress however, most dryland acres were suffering from lack of moisture, some were not emerged at this time. Harvest moved forward in isolated southern locations. Crop damage from green bugs, grasshoppers continued in many areas. Sorghum 60% of normal compared with 79% 2000, 37% turning color, 39% 2000, 33% avg.; 26% mature, 27% 2000, 18% avg.; 16% harvested, 19% 2000, 8% avg. Peanuts: Planting was mostly complete across the state with only a small amount of dryland acres remaining. A few earlier dryland fields have not emerged as soil moisture remained inadequate however, average to good stands were reported in most other locations. Pegging was proceeding in most locations. Peanut 75% of normal compared with 87% 2000. Rice: Rice continued to make good progress in most locations. Flooding continued however, water usage was above normal in some locations. Heading continued in some earlier planted fields. Rice 83% of normal compared with 94% 2000. Soybeans: Average progress continued in most soybean areas however, some dryland fields were suffering. Commercial Vegetables, Fruit, Pecans Rio Grande Valley harvesting of remaining vegetable acres was mostly completed. Continued dry conditions aided in reduced yields for many producers in this region, generally land preparation is on hold until moisture conditions improve. San Antonio-Winter Garden harvesting remained active but, was winding down for green beans, cucumbers, squash. Melon harvest continued. East State harvest continued for beans, squash, potatoes, blueberries, blackberries, sweet corn, tomatoes, melons, peas. Sweet potatoes made good progress. High Plains progress continued for potatoes, carrots, pumpkins, cucumbers. Watermelon, cantaloupe planting was completed. Earlier planted fields made good to fair progress but, insect pressure remained high, some damage continued from high winds. Onion harvest began on early planted fields. Pecans: Fruit set continued in areas of the Plains but, remained limited in some of the drier locations. Treating for insect populations continued in most orchards as populations continued to grow. Peaches: Harvest continued across most portions of the state. Growth, development has been reduced in some areas as a result of dry conditions however, production has been excellent in portions of East State. Damage from insect populations especially grasshoppers has been devastating in some areas, remained constant in other areas. Range, Livestock: Conditions continued to decline for most livestock producers across the state. Mostly, only areas of East State were experiencing normal to above normal pasture conditions. Supplemental feeding continued to increase as the dry conditions have prevented pasture recovery. Hay supplies were short in many locations, livestock body condition continued to decline. Hauling water to livestock increased as water levels in stock ponds continued to decrease. Herd reduction increased as a result, more producers were considering liquidation. Haying operations moved forward where possible. In other locations some dryland sorghum, corn was being baled to increase hay supplies. Grasshopper populations continued to increase, damage pastures in many locations. Some trees in were showing signs of drought stress in some locations across the state.

**UTAH:** Days suitable for field work 7. Topsoil 17% very short, 38% short, 44% adequate 1% surplus. Subsoil moisture 16% very short, 32% short, 52% adequate. Pasture, range feed 5% very poor, 14% poor, 42% fair, 38% good, 1% excellent. Irrigation water 18% very short, 27% short, 55% adequate. Stock water 16% very short, 23% short, 61% adequate. Winter wheat 5% very poor, 10% poor, 25% fair, 58% good, 2% excellent. Spring wheat 84% headed, 83% 2000, 82% avg.; 5% very poor, 7% poor, 25% fair, 60% good, 3% excellent. Barley 85% headed, 85% 2000, 81% avg.; 1% very poor, 10% poor, 28% fair, 57% good, 4% excellent. Oats 65% headed, 61% 2000, 52% avg. Hay or silage 30% harvested, 15% 2000, 15% avg. Corn: height 24 inches, 25 inches 2000, 21 inches avg.; 2% very poor, 5% poor, 24% fair, 64% good, 5% excellent. Alfalfa hay 19% 2nd cutting, 12% 2000, 6% avg. Other hay 49% cut, 44% 2000, 38% avg. Apricots 19% harvested, 55% 2000, 19% avg. Sweet cherries 55% picked; 65% 2000, 26% avg. Harvest of small grains has begun, while producers continue to harvest alfalfa 2nd cutting, fruits. The weather has been extremely dry, irrigation, stock water is starting to run out. Drought is affecting small grain, alfalfa crops, which are still trying to recover from the frost three weeks ago. Frost and grasshoppers have reduced yields by as much as 70% on some farms, Mormon crickets are causing economic damage to alfalfa in certain localities.

**VIRGINIA:** Days suitable for fieldwork 6.1. Topsoil 4% very short 24% short, 67% adequate, 5% surplus. Subsoil moisture 6% very short, 17%

short, 75% adequate, 2% surplus. Pasture 3% poor, 35% fair, 55% good, 7% excellent. Livestock 1% poor, 13% fair, 76% good, 10% excellent. Other Hay %7 poor, 39% fair, 47% good, 7% excellent. Alfalfa Hay 1% poor, 31% fair, 55% good, 13% excellent. Corn for grain 3% poor, 22% fair, 56% good, 19% excellent. Soybeans 78% planted, 80% 2000, 70% 5-yr avg.; 2% poor, 18% fair, 65% good, 15% excellent. Winter Wheat 5% very poor, 7% poor, 27% fair, 51% good, 10% excellent. Barley 3% very poor, 11% poor, 37% fair, 41% good, 8% excellent, 93% harvested, 87% 2000, 84% 5-yr avg. Flue-cured tobacco 1% very poor 2% poor, 23% fair, 58% good, 16% excellent. Burley tobacco 4% poor, 17% fair, 66% good, 13% excellent. Dark-fire tobacco 2% poor, 12% fair, 71% good, 15% excellent, 100% transplanted, 100% 2000, 100% 5-yr avg. Sun tobacco 100% good. Peanuts 100% planted, 100% 2000, 100% 5-yr avg.; 3% poor, 18% fair, 61% good, 18% excellent. Cotton 1% poor 37% fair, 47% good, 15% excellent, 100% planted, 100% 2000, 100% 5-yr avg.; 83% squaring, %60 2000, %48 5-yr. Apples 5% very poor 3% poor, 52% fair, 39% good, 1% excellent. Peaches 29% poor, 53% fair, 18% good. Dry, hot conditions throughout the state allowed barley, wheat to be harvested, soybeans to be planted. Soil moisture declined due to the dry, warm weather conditions. Herbicide applications continued in cotton, peanuts, soybeans. Irrigation of tobacco was in full swing. Other activities included: Cutting hay, harvesting tomatoes, squash, sweet corn, beans cucumbers, peppers.

**WASHINGTON:** Days suitable for field work averaged 5.29. Topsoil 9% very short, 42% short, 49% adequate. Subsoil moisture 17% very short, 51% short, 32% adequate. The highest temperature state wide was 90° in Pasco. The lowest temperature state wide was 35° at Stampede Pass. Rain was reported at most locations during the week with temperatures slightly below normal. The rain helped with filling winter wheat heads. A rain, hail storm on June 27 caused severe damage to some cereal crops in central state. Some wheat was baled for hay due to drought stress. Winter Wheat 2% very poor, 12% poor, 42% fair, 44% good, 100% headed. Spring wheat 5% very poor, 22% poor, 41% fair, 32% good; 84% headed. Barley 6% very poor, 24% poor, 45% fair, 25% good; 87% headed. Potato 7% fair and 93% good, 2% harvested. Some potatoes, dry beans, peas were hit by the hail storm on June 27. Rain helped growth of newly planted Christmas trees. Commercial potato growers applied fungicides in western state. Commercial daffodil bulb growers placed containers in fields in anticipation of harvest. Dairymen continued harvesting greenchop. Alfalfa 2<sup>nd</sup> cutting continued with fair to good quality reported. Hay harvest was delayed by the rain for a few days. Alfalfa hay 97% 1<sup>st</sup> cutting harvest was completed, 48% 2<sup>nd</sup> cutting harvest was completed. Pasture feed was in poorer condition at lower elevations compared to higher elevations. Lack of livestock water was a concern for utilizing pastures. Range, pasture feeds 2% very poor, 35% poor, 47% fair, 16% good. The rain, hail storm on June 27 caused significant damage to apples, cherries, pears, many soft fruits, especially in the Yakima Valley. Splitting was reported in Bing, Rainier cherries due to the storm. Some orchards sustained tree damage also as a result of the storm. Strawberry harvest was reported to be over half completed. Early raspberry, rhubarb, lettuce, cabbage harvests began. Harvest of early-maturing varieties of apricots also began. U-pick blueberry growers prepared roadside stands for harvest.

**WEST VIRGINIA:** Days suitable for fieldwork 6.0. Below normal rainfall most of the week allowed for progress in field work. Topsoil moisture 3% very short, 12% short, 77% adequate, 8% surplus. Wheat 3% poor, 53% fair, 44% good, 6% harvested, 35% 2000, 32% 5-yr avg. Hay 7% poor, 34% fair, 55% good, 4% excellent, 75% 1<sup>st</sup> cut, 80% 2000, 81% 5-yr avg.; 9% 2<sup>nd</sup> cut, 5% 2000, 6% 5-yr avg. Corn 19% fair, 66% good, 15% excellent, 2% silked, 10% 2000, 4% 5-yr avg. Oats 46% fair, 52% good, 2% excellent; 65% headed, 85% 2000, 86% 5-yr avg. Soybeans 20% fair, 66% good, 14% excellent; 4% blooming, 0% 2000, 2% 5-yr avg. Tobacco 4% very poor, 7% poor, 50% fair, 38% good, 1% excellent; 94% transplanted, 100% 2000, 99% 5-yr avg. Apple 3% fair and 97% good. Peach 100% good. Cattle 1% poor, 11% fair, 79% good, 9% excellent. Sheep 8% fair, 88% good, 4% excellent. Activities: Hay making, tobacco transplanting, general maintenance, working livestock, pasture clipping.

**WISCONSIN:** Days suitable for fieldwork 6.6. Experienced plenty of sunshine, warm weather last week, with temperatures averaging 5 to 10° above normal in most locations. Farmers were busy planting or replanting soybeans, even some corn for silage, although some fields will lie empty this year because of previous weather conditions. Many farmers were

able to get into the fields to spray, cultivate weeds. There continued to be reports of lower quality hay for the 1<sup>st</sup> t cutting. Reports on vegetables in the central part of the state are mostly favorable, although some planted in lower areas are not doing as well. Soil moisture 7% short, 79% adequate, 14% surplus. There continued to be reports of lower quality hay for the 1<sup>st</sup> cutting. Farmers that were able to harvest 1<sup>st</sup> cutting early were reporting good growth for their 2<sup>nd</sup> cutting; some have even started harvesting the 2<sup>nd</sup> crop.

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**WYOMING:** Days suitable for fieldwork 6.9. Topsoil 42% very short, 44% short, 14% adequate. Subsoil moisture 44% very short, 45% short, 10% adequate, 1% surplus. Winter wheat 12% very poor, 20% poor, 38% fair, 30% good, 57% turning color, 90% 2000, 65% avg.; mature 2%, 18% 2000, 8% avg. Barley 13% poor, 22% fair, 57% good, 8% excellent, 76% boot, 80% 2000, 84% avg.; 57% headed, 61% 2000, 64% avg. Spring wheat 32% poor, 20% fair, 48% good, 24% headed, 19% 2000, 45% avg.; 4% turning color, 2% 2000, 8% avg. Oats 22% poor, 33% fair, 44% good, 1% excellent, 55% boot, 59% 2000, 71% avg.; 21% headed, 25% 2000, 36% avg. Sugarbeet 17% poor, 15% fair, 63% good, 5% excellent. 1% very poor, 9% poor, 19% fair, 69% good, 2% excellent, average height 22 in., 17 in. 2000, 19 in. average. Dry beans 13% very poor, 6% poor, 10% fair, 68% good, 3% excellent, 88% emerged, 100% 2000, 99% avg.; 1% bloom, 3% 2000, 3% avg. Alfalfa hay harvested 57% 1<sup>st</sup> cutting, 56% 2000, 48% avg. Other hay harvested 19%, 20% 2000, 18% average. Percent of producers experiencing power cutbacks 0%. Percent of normal irrigation water allocations available 56%. Hot, dry conditions continue.