

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork was 6.0. Topsoil 4% very short, 29% short, 64% adequate, 3% surplus. Corn 85% dough, 90% 2003, 79% avg.; 66% dented, 69% 2003, 59% avg.; 30% mature, 30% 2003, 32% avg.; condition 0% very poor, 4% poor, 13% fair, 58% good, 25% excellent. Soybeans 60% blooming, 47% 2003, 50% avg.; 35% setting pods, 18% 2003, 24% avg.; condition 0% very poor, 2% poor, 10% fair, 68% good, 20% excellent. Pasture feed 1% very poor, 5% poor, 28% fair, 54% good, 12% excellent. Livestock condition 0% very poor, 4% poor, 20% fair, 50% good, 26% excellent. Crops remain mostly in good to fair condition, but more rain is needed to keep the crops progressing favorably.

ALASKA: Days suitable for fieldwork 5.0. Topsoil 30% short, 70% adequate. Subsoil 55% short, 45% adequate. Most growing areas received several days of rain, however, amounts varied widely. Barley 35% in dough, 55% turning color, 5% ripe, 5% harvested, condition 5% fair, 40% good, 55% excellent. Oat 70% in dough, 30% turning color. condition 5% poor, 30% fair, 50% good, 15% excellent. Potatoes 75% in bloom statewide. condition 15% fair, 50% good, 35% excellent; growth 60% slow, 35% moderate, 5% rapid. The first cutting of hay is close to complete. Condition of the second cutting hay crop was listed as 25% poor, 30% fair, 35% good, 10% excellent. Pasture, range feed 20% poor, 35% fair, 40% good, 5% excellent. Activities Include: Weed control, fertilizing, irrigation, harvesting vegetables, fence repair, marketing crops, preparing equipment for grain and hay harvest.

ARIZONA: Temperatures for the State were normal for the last week of July. Alfalfa condition remains mostly good. Cotton squaring is complete, while setting bolls are ninety percent complete. Precipitation was reported at 13 of the 17 reporting stations. Precipitation ranged from 0.01 inches in Prescott to 0.68 inches in Tucson.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 1% very short, 25% short, 67% adequate, 7% surplus. Corn 85% doughed, 93% 2003, 70% 5- yr avg.; 54% dented, 59% 2003, 36% 5- year avg.; 21% matured, condition 0% very poor, 0% poor, 22% fair, 56% good, 22% excellent. Soybeans 100% emerged, 100% 2003, 100% 5- yr avg.; 84% bloomed, 68% 2003, 71% 5- yr avg.; 64% setting pods, 42% 2003, 41% 5- yr avg.; 4% yellowing, condition 2% very poor, 4% poor, 27% fair, 47% good, 20% excellent. Sorghum 96% headed, 95% 2003, 92% 5- yr avg.; 62% colored, 61% 2003, 52% 5- yr avg.; condition 0% very poor, 1% poor, 33% fair, 51% good, 15% excellent. Cotton 89% bolls set, 93% 2003, 96% 5- yr avg.; condition 0% very poor, 8% poor, 28% fair, 45% good, 19% excellent. Rice 51% headed, 58% 2003, 52% 5- yr avg.; condition. 1% very poor, 3% poor, 24% fair, 51% good, 21% excellent. Hay-Other condition. 0% very poor, 4% poor, 25% fair, 56% good, 15% excellent; Hay-Alfalfa condition 0% very poor, 4% poor, 30% fair, 61% good, 5% excellent. Pasture, Range feed 0% very poor, 3% poor, 22% fair, 61% good, 14% excellent. Weather was unseasonably cool this week, parts of the state saw scattered showers going into the weekend. CROPS: County agents report that weather conditions have been nearly ideal for corn growth throughout the summer, they are expecting a good crop. Rainfall at the end of the week reduced the amount of irrigation water that was needed for soybeans. Sorghum continues to be in good condition, irrigation is coming to a close. Insects have been light to

moderate in most cotton areas, but producers continue to watch field insect conditions, apply insecticides when needed. Rice fungicide applications have begun to slow down, fields are being sprayed for grasshopper, stinkbug control. LIVESTOCK: Livestock are in good condition. Cattle are being treated for fly control, some are beginning to show signs of heat stress.

CALIFORNIA: Harvesting of wheat, oats, barley, rye for grain was completed or near completion in most parts of the State. Wheat straw was baled in many fields. Harvested grain fields were being tilled to prepare for the upcoming planting season. Cotton was maturing steadily as boll sets were reported in the majority of fields. Irrigation, pest control applications were noted in many fields. Rice showed strong progress as plants continued to head out. Herbicides were applied in many fields. Corn continued to benefit from the recent warm weather. Fields were harvested for grain, silage. Seed alfalfa fields were in bloom. Alfalfa hay was cut, windrowed, baled, stacked. Hay quality was reported as good to excellent. Sugar beet harvesting continued in some areas. Other fields were irrigated, treated with insecticides. Steady growth, development was observed in fields of blackeye beans. Sunflower, safflower, vineseed, potato, sweet potato harvesting was ongoing. Wine grape harvesting began in some vineyards in the San Joaquin Valley as fruit maturity reached satisfactory levels. Bins of harvested grapes were trucked to wineries for processing. Champagne grape harvesting began in parts of Northern State. Table grape harvesting continued at a steady pace. Among the varieties picked, packed were Thompson Seedless, Flame Seedless, Red Globe. Irrigation, cultivation, fungicide applications continued. Harvesting of stone fruit continued in most locations, but production slowed due to erratic prices, reduced fruit quality. Harvested varieties included Sugar Giant peaches, August Pearl nectarines, Kelsey plums, Dapple Dandy pluots. Intense heat caused some sunburn in the darker colored plums in southern areas of the San Joaquin Valley. Persimmons, pomegranates continued to show good progress with fruit size increasing steadily, some color showing on fruit. However, warm temperatures slowed the coloration of some early pomegranate varieties. Harvesting of Gala apples, Asian pears was underway in the San Joaquin Valley. Summer pruning, cultivation, weed mowing, irrigation continued in tree fruit orchards. The kiwifruit crop was generally normal, but with small fruit sizes. The citrus crop was sizing, developing normally, but the intense heat was expected to cause some fruit drop, sunburn in younger fruits. Fruit remained in a few Valencia orange orchards. Harvesting proceeded at a slow but steady pace, prices remained steady. Rind puff was observed in some larger sizes. Harvesting of lemons, grapefruit, spraying of olives for olive fruit fly continued. Almond harvesting got underway in the San Joaquin Valley. Treatments to control ants were made in some orchards. In other locations, almond hull split continued, growers prepared their orchards for harvest. Irrigation, cultivation, leveling, herbicide, weed mowing continued in many orchards. Crop maturity progressed at a steady rate in walnut, pecan, pistachio orchards. Walnuts were treated for codling moth, husk fly, San Jose scale. High temperatures promoted strong development in many fields of summer vegetables, but increased the potential for blossom drop. Irrigation, cultivation, fertilization continued. Maturing tomato fields were treated for worms, aphids, fungus. Worm treatments were also ongoing in melon fields. Fall broccoli was beginning to be transplanted in Stanislaus County. Harvesting of fresh market, processing tomatoes, sweet corn,

cantaloupe, honeydew, watermelons, bell peppers, eggplant, onions, garlic, summer squash continued. The following vegetables were also harvested: basil, beans, bitter melon, cucumber, hot peppers, kangkong, long beans, moqua, okra, opo, saluyot, sinqua, taro leaf, various herbs. Higher elevation, valley summer pastures remained in fairly good condition. Cattle were in good condition. Those cattle remaining on dry foothill pastures were receiving supplemental feed. Hot weather early in the period was having an adverse effect on milk production. Dairies were using fans, misters on milk cows to reduce heat stress. Cooler weather late in the period eased the stress on livestock, poultry. Sheep, mainly stock ewes, were grazing on harvested grain stubble or in harvested tomato fields. Bees were working in seed alfalfa, safflower, melon, vegetable, vine seed fields.

COLORADO: Days suitable for fieldwork 4.9. Top soil 11% very short, 45% short, 44% adequate. Subsoil 29% very short, 50% short, 18% adequate, 3% surplus. Most areas of the state experienced cooler temperatures, measurable rainfall last week. However, these weather patterns were not enough to improve most crop condition ratings across the state. Spring wheat 96% turning color, 90% 2003, 77% avg.; 30% harvested, 23% 2003, 26% avg.; condition 10% poor, 42% fair, 41% good, 7% excellent. Spring barley 97% turning color, 93% 2003, 88% avg.; 17% harvested, 18% 2003, 25% avg.; condition 24% fair, 65% good, 11% excellent. Sunflower condition 2% very poor, 7% poor, 20% fair, 58% good 13% excellent. Alfalfa hay 2nd cutting 58%, 58% 2003, 60% avg.; 3rd cutting 2%, 1% 2003, 0% avg.; condition 1% very poor, 7% poor, 21% fair, 57% good, 14% excellent. Dry beans 47% flowering, 65% 2003, 61% avg.; condition 21% fair, 64% good, 15% excellent. Dry onions condition 27% fair, 63% good, 10% excellent. Summer potatoes 5% harvested, 3% 2003, 3% avg.; condition 5% poor, 16% fair, 68% good, 11% excellent. Fall potatoes condition 30% fair, 50% good, 20% excellent. Sugar beets condition 1% poor, 20% fair, 61% good, 18% excellent.

DELAWARE: Days suitable for fieldwork 4.7. Topsoil 3% very short, 7% short, 61% adequate, 29% surplus. Subsoil 10% very short, 6% short, 59% adequate, 25% surplus. Field corn condition 10% very poor, 15% poor, 23% fair, 30% good, 22% excellent; 68% dough, 19% 2003, 30% avg.; 15% dent, 0% 2003, 5% avg. Soybean condition 11% poor, 23% fair, 50% good, 16% excellent; 56% blooming, 9% 2003, 32% avg.; 20% setting pods, 0% 2003, 14% avg. Sorghum condition 23% fair, 57% good, 20% excellent; 76% headed, 13% 2003, 20% avg.; 8% coloring, 0% 2003, 3% avg. Pasture feed 8% poor, 25% fair, 61% good, 6% excellent. Other hay 2nd cutting 95%, 80% 2003, 85% avg.; 3rd cutting 12%, 11% 2003, 39% avg. Alfalfa hay 3rd cutting 49%, 23% 2003, 43% avg. Apple condition 2% poor, 16% fair, 70% good, 12% excellent; 5% harvested, 4% 2003, 9% avg. Peach condition 2% poor, 12% fair, 58% good, 28% excellent; 61% harvested, 36% 2003, 38% avg. Watermelons 51% harvested, 16% 2003, 24% avg. Cucumbers 48% harvested, 30% 2003, 39% avg. Lima Beans 35% for processing harvested, 0% 2003, 10% avg. Snap beans 84% harvested, 44% 2003, 51% avg. Sweet corn 45% harvested, 25% 2003, 38% avg. Potatoes 27% harvested, 14% 2003, 34% avg. Tomatoes 29% harvested, 6% 2003, 21% avg. Cantaloups 39% harvested, 18% 2003, 26% avg. Hay supplies 17% very short, 7% short, 70% adequate, 6% surplus. Field activities were hindered in the state last week due to frequent rain showers. Hay production, vegetable harvest were slowed because of rain. Corn, soybeans are in fair to good condition. Corn development is above average with 68% dough stage, 19% 2003, 30% 5-yr avg. Soybeans 20% setting pods 0% 2003, 14% 5-yr avg. Pasture is in fair to good condition.

FLORIDA: Topsoil 5% very short, 15% short, 75% adequate, 5% surplus. Subsoil 5% very short, 10% short, 80% adequate, 5% surplus. Rainfall range: none, scattered localities, to over 4.00 in. some spots of southern Peninsula, western Panhandle; other areas about 0.33 to over 3.00 in. Temperature average: near normal, major cities. Daytime highs: 80s, 90s. Nighttime lows: 60s, 70s. Peanuts pegged 95%, 94% 2003, 90% 5-yr avg.; condition 20% fair, 45% good, 35% excellent. Cotton in good condition. Insects, armyworms causing problems in some Panhandle, northern Peninsula peanut, cotton, hay fields. Some hay baling delayed by rainfall. Tobacco harvesting active, northern Peninsula, Panhandle; contract delivery centers to open August 3; pulling expected to continue through mid-to-late August. Soil moisture supplies short to mostly adequate; surplus soil moisture in spots of Jackson, Madison, Union, Marion, Seminole, Manatee, Charlotte counties; very short soil

moisture along southeastern coast. Producers delayed some fall crop vegetable field preparations, planting as Tropical Storm Alex developed off Atlantic coast, another tropical system meandered off southwestern Gulf coast. Tomato growers, Quincy area, transplanting for fall crop picking. Okra harvesting, Miami-Dade County, active. Welcome rainfall, lower temperatures as result of low pressure systems, brought heavy rainfall in some citrus areas, widely scattered in others. Trees, new crop fruit in good condition. Pasture feed 5% poor, 25% fair, 50% good, 20% excellent. Cattle condition 20% fair, 55% good, 25% excellent. Panhandle: cattle, pasture feed fair to good; some pastures drought stressed; pastures in couple counties showing signs of armyworms. North: cattle, pasture condition fair to good; first signs of armyworms noted. Central: cattle, pasture look good to excellent. Statewide: cattle condition fair to excellent

GEORGIA: Days suitable for field work 5.8. Soil 7% very short, 34% short, 55% adequate, 4% surplus. Corn 42% mature, 41% 2003, 51% avg.; 2% harvested for grain, 2% 2003, 9% avg. Hay 1% very poor, 7% poor, 31% fair, 54% good, 7% excellent. Sorghum 2% poor, 34% fair, 62% good, 2% excellent. Tobacco 6% very poor, 19% poor, 43% fair, 30% good, 2% excellent; 52% harvested, 47% 2003, 48% avg. Watermelons 96% harvested, 97% 2003, 95% avg. Apples 4% poor, 12% fair, 71% good, 13% excellent; 6% harvested, 10% 2003, 7% avg. Peaches 89% harvested, 90% 2003, 94% avg. Pecans 8% very poor, 17% poor, 40% fair, 33% good, 2% excellent. Rain showers were mostly scattered throughout the week. The moisture totals, though widely variable were especially helpful because many crops were showing signs of stress. Although the rainfall was welcomed, more rain is needed in the major producing areas for crops to reach their full potential. Overall, crop conditions either held steady or improved during the week. Field operations were active in most areas all week except in the heavier rainfall locations. Pastures were sprayed and mowed. Cattlemen hope to get more hay cut. Farmers sprayed cotton, peanuts for insects. There were reports of pond, stream levels beginning to decline. Corn harvest was underway. Activities Included: Tobacco harvest, cutting, baling hay, and the routine care of livestock.

HAWAII: Sunny, dry weather conditions continued to benefit most crops. High temperatures, humidity made heavy irrigation necessary to maintain crop condition. Isolated, heavy showers, localized flooding was reported in Kona. Banana, papaya orchards were in mostly fair-to-good condition. Active spraying limited disease, pest losses. Vegetable crops made generally good progress with fair-to-good yields.

IDAHO: Days Suitable for Fieldwork 6.9. Topsoil 11% very short, 41% short, 48% adequate. Lentil harvest has begun in the northern part of the state. Rain damage is making premium quality hay hard to find in some areas. Farmers in several areas of the eastern part of the state are stepping up fungicide applications to fight late potato blight. Winter wheat condition 3% poor, 8% fair, 72% good, 17% excellent; 98% turning color, 99% 2003, 97% avg. Spring wheat 81% turning color, 100% 2003, 100% avg. Barley 82% turning color, 80% 2003, 72% avg. Oats 5% harvested for grain, 5% 2003, 4% avg. Potato condition 1% poor, 7% fair, 76% good, 16% excellent. Lentils 6% harvested, 9% 2003, 4% avg. Mint harvested—1st cutting 51%, 38% 2003, 34% avg. Peaches 9% harvested, 12% 2003, 14% avg. Dry peas 22% harvested, 15% 2003, 24% avg. Alfalfa hay 2nd cutting harvested 63%, 68% 2003, 68% avg.; 3rd cutting harvested 11%, 10% 2003, 9% avg. Irrigation Water Supply 4% very poor, 30% poor, 37% fair, 29% good. Activities Included: Feeding, caring for livestock, spraying fungicides, cutting alfalfa hay, harvesting small grains, peas, and lentils.

ILLINOIS: Days suitable for fieldwork 5.6. Topsoil 4% very short, 19% short, 72% adequate, 5% surplus. Corn 17% dented, 2% 2003, 7% avg.; Oats 97% ripe, 90% 2003, 94% avg.; 74% harvested, 65% 2003, 77% avg. Alfalfa 2nd cut 94%, 97% 2003, 95% avg.; 30% 3rd cut, 24% 2003, 29% avg. Below normal temperatures last week, along with near normal precipitation, made for ideal field work conditions. The dryer weather was welcome last week for finishing up baling of hay, harvesting of oats. Activities: Observed last week include mowing ditches, waterways, some conservation construction, preparing harvest equipment, storage structures, and attending local fairs.

INDIANA: Days suitable for fieldwork 5.2. Topsoil 2% very short, 14% short, 79% adequate, 5% surplus. Subsoil 1% very short, 14% short, 82% adequate, 3% surplus. Cool, dry week prevailed around the state. Some areas received rain, isolated thunderstorms. Major crops continue to grow, develop ahead of average. Winter wheat harvest is complete. Baling hay, spraying herbicides, repairing equipment were major activities. Temperatures averaged 5° to 11° below normal for the week. Precipitation averaged 0.12 to 2.08 inches. Irrigation systems were active. Late planted soybean fields improving, need some rain. SDS showing up in some soybean fields. Alfalfa hay 2nd cutting 93% complete, 84% 2003, 95% avg.; 3rd cutting of hay crops underway. Pastures 1% very poor, 6% poor, 20% fair, 59% good, 14% excellent. Livestock are in mostly good condition. Activities: Repairing equipment, storage bins, harvesting mint and potatoes, hauling grain to market, attending county fairs, scouting fields, taking vacations, mowing pastures, roadsides, hauling manure and taking care of livestock.

IOWA: Days suitable for fieldwork 5.6. Topsoil 2% very short, 13% short, 79% adequate, 6% surplus across the state. Subsoil 2% very short, 10% short, 82% adequate, 6% surplus. Warm, sunny weather advanced the crops. Field activities included harvesting hay, oats; baling straw. There were isolated reports of aphids in soybeans. Despite warm temperatures last week, more heat units would be beneficial for corn development. Moisture is of concern in many areas. Field Crops Report: Corn acreage 89% silked, 81% 2003, 88% 5-yr avg.; 39% acreage in the milk stage, 26% 2003, 41% 5-yr avg.; 12% dough stage, condition 1% very poor, 5% poor, 17% fair, 49% good, 28% excellent. Soybean 95% acreage blooming, 87% 2003, 91% 5-yr avg.; 66% setting pods, 46% 2003, 60% 5-yr avg.; condition 2% very poor, 5% poor, 18% fair, 50% good, 25% excellent. Oat 78% acreage harvested for grain, 77% 2003, 83% 5-yr avg. The Alfalfa 2nd cutting complete 90%, 79% the previous week, 3rd cutting 7% complete, condition 5% poor, 19% fair, 55% good, 21% excellent. Livestock, Pasture, Range Report: Overall, livestock conditions were good, pastures were looking better than normal for this time of year. Pasture, range feed 1% very poor, 5% poor, 20% fair, 56% good, 18% excellent.

KANSAS: Days suitable for fieldwork 4.6. Topsoil 1% very short, 11% short, 82% adequate, 6% surplus. Subsoil 10% very short, 25% short, 64% adequate, 1% surplus. Sunflowers 29% blooming, 33% 2003, 47% avg. Alfalfa 3rd cutting 59%, 49% 2003, 62% avg. Range, pasture feeds 6% very poor, 16% poor, 34% fair, 38% good, 6% excellent. Feed grain supplies 3% very short, 12% short, 82% adequate, 3% surplus. Hay, forage supplies 2% very short, 9% short, 78% adequate, 11% surplus. Stock water supplies 1% very short, 14% short, 81% adequate, 4% surplus.

KENTUCKY: Days suitable fieldwork 5.3%. Topsoil 1% very short, 15% short, 76% adequate, 8% surplus. Subsoil 1% very short, 12% short, 82% adequate, 5% surplus. State continued to have unseasonably cool weather last week. Rainfall was above normal with the major tobacco producing areas receiving the most precipitation. Burley tobacco blooming 63%, 47% 2003, 64% avg.; topped 36%, 26% 2003, 39% avg. Dark tobacco topped 71%. Blue mold, black shank levels in tobacco are variable, from moderate to severe. Condition of set tobacco 4% very poor, 11% poor, 23% fair, 47% good, 15% excellent. Hay condition 1% very poor, 6% poor, 19% fair, 52% good, 22% excellent. Pasture feeds 1% very poor, 3% poor, 18% fair, 51% good, 27% excellent

LOUISIANA: Days suitable for fieldwork 5.9. Soil 2% very short, 32% short, 58% adequate, 8% surplus. Corn 1% very poor, 11% poor, 40% fair, 40% good, 8% excellent; 80% mature, 55% last week, 61% 2003, 73% avg.; 6% harvested, 2% last week, 6% 2003, 13% avg. Hay 1st cutting 100%, 92% last week, 100% 2003, 100% avg.; 2nd cutting 52%, 35% last week, 58% 2003, 56% avg. Peaches 91% harvested, 86% last week, 96% 2003, 94% avg. Rice 41% ripe, 25% last week, 45% 2003, 50% avg; 19% harvested, 11% last week, 25% 2003, 28% avg. Sorghum 15% ripe, 7% last week, 30% 2003, 31% avg. Soybeans 7% turning color, 2% last week, 5% 2003, 4% avg. Sugarcane 6% poor, 18% fair, 36% good, 40% excellent. Livestock 3% poor, 25% fair, 62% good, 10% excellent. Vegetable 8% very poor, 19% poor, 43% fair, 30% good.

MARYLAND: Days suitable for fieldwork 4.0. Topsoil 6% short, 69% adequate, 25% surplus. Subsoil 2% very short, 3% short, 79% adequate, 16% surplus. Field corn condition 3% very poor, 2% poor, 16% fair, 40% good, 39% excellent; 53% dough, 13% 2003, 32% avg.; 7% dent, 1% 2003, 7% avg. Soybean condition 4% poor, 16% fair, 58% good, 22% excellent; 65% blooming, 14% 2003, 40% avg.; 39% setting pods, 0% 2003, 18% avg. Sorghum condition 100% good; 67% headed, 13% 2003, 31% avg. Pasture feed 4% poor, 20% fair, 45% good, 31% excellent. Tobacco condition 3% very poor, 8% poor, 12% fair, 37% good, 40% excellent; 67% bloomed, 18% 2003, 49% avg.; 41% topped, 0% 2003, 21% avg. Other hay 2nd cutting 74%, 67% 2003, 78% avg.; 3rd cutting 15%, 1% 2003, 27% avg. Alfalfa hay 3rd cutting 50%, 21% 2003, d 44% avg. Apple condition 2% poor, 10% fair, 54% good, 34% excellent; 13% harvested, 4% 2003, 4% avg. Peaches condition 3% very poor, 8% poor, 22% fair, 44% good, 23% excellent; 32% harvested, 22% 2003, 30% avg. Watermelons 27% harvested, 16% 2003, 21% avg. Cucumbers 48% harvested, 32% 2003, 52% avg. Lima Beans 50% for processing harvested, 9% 2003, 22% avg. Snap beans 54% harvested, 43% 2003, 53% avg. Sweet corn 71% harvested, 38% 2003, 46% avg. Potatoes 25% harvested, 30% 2003, 59% avg. Tomatoes 42% harvested, 24% 2003, 30% avg. Cantaloups 51% harvested, 20% 2003, 38% avg. Hay supplies 6% very short, 11% short, 76% adequate, 7% surplus. State's farmers received between 2 to 5 inches of rain last week. Hay production, vegetable harvest were hindered because of the wet conditions. Corn is in fair to good condition, developing fast with 53% dough stage, 7% dent stage. Soybeans are in fair to good condition, growing rapidly with 39% setting pods. Apples are in mostly good condition, harvest has started with 13% harvested. Tobacco is in good to excellent condition and 4% of the crop has been topped.

MICHIGAN: Days suitable for fieldwork 6. Subsoil 3% very short, 22% short, 68% adequate, 7% surplus. Corn height 59 inches, 66 2003, 67 avg. Barley 1% very poor, 9% poor, 41% fair, 41% good, 8% excellent. Oats 6% very poor, 9% poor, 38% fair, 37% good, 10% excellent; 84% turning, 82% 2003, 91% avg. All hay 1% very poor, 9% poor, 32% fair, 44% good, 14% excellent. Hay 2nd cutting 64%, 73% 2003, 67% avg.; 3rd cutting 4%, 3% 2003. Dry beans 5% very poor, 10% poor, 33% fair, 40% good, 12% excellent; 37% blooming, 37% 2003, 52% avg.; 10% setting pods, 5% 2003, 18% avg. Blueberries 62% harvested, 29% 2003. Tart cherries 87% harvested, 75% 2003. Across much of State, dry conditions prevailed. Scattered showers reported southern districts, total rainfall amounts highly variable. Several areas reported being short on moisture. Precipitation amounts ranged 0.03 inches west central Lower Peninsula to 1.57 inches southeast Lower Peninsula. Except northern parts of State, temperatures cooler than normal. Temperatures ranged 5° below normal south central Lower Peninsula to 2° above normal eastern Upper Peninsula. Sunshine prevailed across most districts; however, temperatures predominantly below normal. Rainfall adequate for southern districts, while northwest, Upper Peninsula received small amounts of precipitation. Weather conditions excellent for making hay. The second cutting neared two-thirds complete. In some areas, crop had already become too mature. Corn matured nicely with dry conditions. Fields variable, with some plots tasseling. The soybean crop advanced, fields varied between bloom, setting pods. Wheat harvest progressed, many areas at or near completion. Diseases prevalent in crop. Limited reports of Cercospora leafspot in sugarbeets. Crop continued to progress with favorable conditions. Rapid growth of dry beans reported. In southwest, growers applying fungicides to apples in their cover sprays. Harvest continued on early varieties. In southeast, apples continued to size well. Most Red Delicious at 2.5 inches or larger, other apple varieties close to 3 inches. Apples grown northwest experienced apple maggot emergence at generally low levels. Peach harvest continued southwest, size excellent. Split pits, common in early varieties, still being found. In southeast, peaches continued to size well, with most being around 2.75 inches. In west central, peaches showed varying degrees of bacterial leaf spot symptoms. The last of southwest, southeast tart cherry crops have been harvested. Harvest continued northwest approached completion west central. Sweet cherry harvest continued, with crop showing benefits from sustained drier weather. Grapes had passed berry touch southeast. In northwest, grapes showed variable set due to cool, damp weather during peak bloom. Summer raspberry harvest ended southwest, harvest continued southeast. Fall raspberries had passed 30 inches length southeast. Plums coloring southwest, sizing well southeast. Second generation codling moths observed on some southwest pears. In southeast, pears continued to size nicely, most around 2 inches diameter. Statewide, harvest continued for a wide variety of vegetable crops. Most

crops made good progress over week, even with below normal temperatures in State's primary vegetable growing areas. Dry soils several districts had growers irrigating. Sweet corn harvest near full swing. Supply barely keeping up with demand southeast. Potato harvest started southeast. Good quality, yields reported. Carrot harvest slated to begin this week west central. Celery growing fast, harvest on schedule to slightly behind. Growers reported good quality. Late plantings completed. Cucumber, zucchini harvest continued. Tomato harvest picked up. Cool temperatures had slowed ripening, limited fungal diseases. Eggplant harvest started, pepper harvest moved along. Pumpkins in bloom several southern districts. Watermelons continued to set and size fruit. Fall harvest cabbage transplants being set.

MINNESOTA: Days suitable for fieldwork 5.5. Topsoil 3% very short, 16% short, 76% adequate, 5% surplus. Spring Wheat 58% turning ripe, 86% 2003, 80% avg. Barley 60% turning ripe, 93% 2003, 84% avg. Oats 81% turning ripe, 93% 2003, 92% avg. Corn 9% milk, 23% 2003, 23% avg. Pasture feed 2% very poor, 7% poor, 32% fair, 53% good, 6% excellent. Sugarbeets 1% very poor, 3% poor, 32% fair, 50% good, 14% excellent. Dry Beans 2% very poor, 5% poor, 35% fair, 53% good, 5% excellent. Canola 5% very poor, 11% poor, 63% fair, 15% good, 6% excellent. Potatoes 1% very poor, 3% poor, 27% fair, 62% good, 7% excellent. Sunflowers 2% very poor, 7% poor, 46% fair, 42% good, 3% excellent. Spring wheat harvest began last week, with 1% harvested. Producers in the central part of the state report that small grains look excellent, they are expecting good yields. Many corn producers are hoping for a late frost this year since crop progress is behind normal, due to lack of growing degree days.

MISSISSIPPI: Days suitable for fieldwork 6.4. Soil moisture, 3% very short, 37% short, 59% adequate, 1% surplus. Corn 95% dough, 96% 2003, 97% avg.; 84% dent, 76% 2003, 82% avg.; 30% mature, 13% 2003, 27% avg.; 1% harvested, NA 2003, NA avg.; 62% silage harvested, 60% 2003, 46% avg.; 1% very poor, 4% poor, 19% fair, 50% good, 26% excellent. Cotton 99% squaring, 99% 2003, 100% avg.; 91% setting bolls, 86% 2003, 95% avg.; 6% poor, 25% fair, 51% good, 18% excellent. Rice 65% heading, 79% 2003, 64% avg.; 1% poor, 11% fair, 63% good, 25% excellent. Sorghum 99% heading, 97% 2003, 96% avg.; 71% turning color, 66% 2003, 58% avg.; 5% mature, 11% 2003, 9% avg.; 1% poor, 13% fair, 67% good, 19% excellent. Soybeans 99% blooming, 94% 2003, 96% avg.; 95% setting pods, 84% 2003, 84% avg.; 25% turning color, 11% 2003, 10% avg.; 5% shedding leaves, NA 2003, NA avg.; 1% harvested, NA 2003, NA avg.; 5% poor, 20% fair, 54% good, 21% excellent. Hay 55% harvested (Warm Season), 72% 2003, 70% avg.; 7% very poor, 7% poor, 23% fair, 51% good, 12% excellent. Sweetpotatoes 1% very poor, 7% poor, 35% fair, 48% good, 9% excellent. Watermelons 95% harvested, 97% 2003, 85% avg. Cattle 1% very poor, 6% poor, 16% fair, 58% good, 19% excellent. Pasture 2% very poor, 5% poor, 20% fair, 58% good, 15% excellent. Throughout much of the state, producers took advantage of continued good weather to make advances with hay harvest, begin harvesting corn, soybeans. Although most row crops are being reported in good condition, many producers are hoping for a few sporadic rain showers to help the crops along. Moreover, cattle producers are content with current high market prices for livestock.

MISSOURI: Days suitable for fieldwork 5.2. Topsoil 1% very short, 10% short, 84% adequate, 5% surplus. Subsoil 1% very short, 11% short, 87% adequate, 5% surplus. The major crops are developing a few days ahead of average, with growth conditions continuing favorable in most areas. The northeast district is the driest area, with 55% rated as short or very short of moisture. Corn development ranges from 54% in the dough stage or beyond in the northeast district to all in the dough or beyond southeast. Soybean development is most advanced in the northwest district with 85% blooming and 52% setting pods, least advanced in the southwest district at 52% blooming, 22% setting pods. Sudden Death Syndrome has appeared in a few bean fields in the central, northeastern districts but reporters indicate the disease is not significance in most areas. Some boll moths are showing up in traps in cotton fields, so growers are monitoring the need for control measures. Alfalfa hay 2nd cutting 98%, 99% 2003, 97% avg.; 3rd cutting 39%, 40% 2003, 37% avg. Other hay cut 95%, 100% 2003, 96% avg. Pastures 2% poor, 17% fair, 67% good, 14% excellent, down slightly from a week earlier but virtually all areas are rated above normal for this time of year. Rainfall averaged 0.73 inches, ranging by area from 0.33 inch or less in the west-central district, across the northern third of the State, to 1.48 inches in the east-

central district. Laclede, and Pulaski counties reported the highest weekly rainfall at over 3.5 inches.

MONTANA: Days suitable for fieldwork were 6.6. Topsoil 28% very short, 43% short, 29% adequate, no surplus compared to 2003 58% very short, 35% short, 7% adequate, no surplus. Subsoil 37% very short, 37% short, 26% adequate, no surplus compared to 2003 51% very short, 41% short, 8% adequate, no surplus. The state experienced high temperatures with very little rainfall for the week ending August 1st, 2004. Winter wheat condition 6% very poor, 12% poor, 30% fair, 40% good, 12% excellent; progress is 97% turning color, 61% ripe, d 11% harvested, compared to 2003 99%, 92%, and 60%, respectively. Spring wheat 98% headed, 57% turning, 2% ripe, compared to 2003 99%, 81%, 25%, respectively. Spring wheat condition 6% very poor, 10% poor, 30% fair, 48% good, 6% excellent. Durum wheat 84% boot stage, 78% headed, 20% turning color, which are well behind 2003 99%, 98%, 76%, respectively. Durum wheat condition 3% very poor, 13% poor, 27% fair, 44% good, 13% excellent. Barley 73% turning, 17% ripe, 2% harvested, compared to 81%, 31% 9% 2003 respectively. Barley condition 2% very poor, 7% poor, 33% fair, 47% good, 11% excellent. Oats 97% headed, 67% turning, 11% ripe, 1% harvested, compared to 2003 99%, 75%, 29%, 9%, respectively. Oats condition 9% very poor, 8% poor, 44% fair, 34% good, and 5% excellent. Sugar beets condition 20% very poor, 18% poor, 35% fair, 27% good, no excellent. Corn condition 13% very poor, 16% poor, 33% fair, 36% good, 2% excellent, which is behind the 5-yr avg 1% very poor, 4% poor, 26% fair, 50% good, 19% excellent. Dry bean condition is 1% very poor, 16% poor, 38% fair, 43% good, and 2% excellent, compared to the 5-yr avg 1% very poor, 5% poor, 32% fair, 50% good, 12% excellent. Potatoes continue to improve, with condition 0% very poor, 1% poor, 6% fair, 48% good, 45% excellent. Alfalfa and other hay first cuttings are 98% and 93% complete, respectively, and second cuttings are 18% and 9% complete, respectively. Range, pasture feed 25% very poor, 22% poor, 28% fair, 21% good, 4% excellent, compared to the 5-yr avg 16% very poor, 25% poor, 36% fair, 18% good, and 5% excellent.

NEBRASKA: Days suitable for fieldwork 5.6. Topsoil 11% very short, 28% short, 58% adequate, 3% surplus. Subsoil 26% very short, 32% short, 42% adequate, 0% surplus. Temperatures for the week averaged from 3 to 8 ° below normals. Precipitation was statewide with amounts ranging to over one inch, mostly in the western half of the state. Alfalfa condition 4% very poor, 11% poor, 24% fair, 43% good, 18% excellent; 2nd cutting 93%, 97% 2003, 97% avg.; 3rd cutting 10%, 20% 2003, 20% avg. Activities Included: Wheat, oat harvest, irrigating, and hay harvest

NEVADA: Afternoon, evening thundershowers continued to pass through the State, leaving sporadic, generally light precipitation. Elko recorded .2 inch of rain. Las Vegas recorded .19 inch of rain on August 1. Temperatures averaged above normal statewide. The second cutting of alfalfa was well along in northwest, north-central valleys, third cutting was getting underway. Some late cutting of first crop alfalfa continued in Elko County. Lack of irrigation water in Lovelock continued to limit harvests. Meadow hay harvest continued in later maturing valleys. Combining of winter wheat began. Harvest of malting barley began. Leaf cutter bees were in alfalfa seed fields for pollination. Grass seed harvest was winding down. Corn, canola were doing well under the warm weather conditions. Rows were pretty well closed in potato fields, bloom was advancing. Weed, insect control was active. Pasture, range feeds were showing seasonal decline, some movement of livestock was necessary. Ranchers were hauling water to some ranges. Video marketing of calves for Fall delivery was underway. Activities: Haying, small grain harvest, cultivating, field spraying, irrigating, livestock marketing.

NEW ENGLAND: Days suitable for field work 5.2. Topsoil 1% very short, 6% short, 73% adequate, 20% surplus. Subsoil 1% very short, 7% short, 79% adequate, 13% surplus. Pasture feed 4% poor, 24% fair, 62% good, 10% excellent. Maine Potatoes: condition excellent/good. Rhode Island Potatoes: condition good/excellent. Massachusetts Potatoes 10% harvested, 5% 2003, 5% avg.; condition good/fair. Maine Oats: condition good/excellent. Maine Barley: condition good/excellent. Field Corn: condition good. Sweet corn 20% harvested, 15% 2003, 25% avg.; condition good/excellent. Shade tobacco 20% harvested, 20% 2003, 25% avg.; condition good. Broadleaf tobacco: 5% harvested, 5% 2003, 15% avg.; condition good. First Crop Hay 90% harvested, 95% 2003, 95% avg.; condition good/fair. Second Crop Hay 35% harvested, 45% 2003,

50% avg.; condition good. Third Crop Hay: 5% harvested, 0% 2003, 5% avg.; condition good/fair. Apples: condition good/fair. Peaches 10% harvested, 10% 2003, 20% avg.; condition fair/good. Pears: condition poor in Massachusetts, good elsewhere. Massachusetts Cranberries: set avg.; condition good. Highbush Blueberries: 65% harvested, 30% 2003, 35% avg.; condition good/fair. Maine Wild Blueberries: condition fair/poor. Cool, wet conditions at the beginning of the week gave way to hot, humid weather by week's end, making dry hay harvest difficult for many farmers. Activities Included: Mowing orchards; spreading manure; cultivating; weeding, monitoring fields; applying pesticides, cutting, baling hay; harvesting highbush blueberries, peaches, broadleaf and shade tobacco.

NEW JERSEY: Days suitable for field work 4.7. Soil 38% adequate, 62% surplus. Temperatures across the state were variable during the week. There were measurable amounts of rainfall for the week across most of the state. Fieldwork included baling hay, vegetable harvesting, picking fruit, spraying herbicides. Spider mite activity was reported in some soybean fields in the central district. Rains lowered hay quality, forage production in many localities, made harvest activities challenging. There was a report of leaf spot problems in alfalfa hay fields in the central district. Harvest of beets, carrots, cantaloupe, peppers, tomatoes, sweet corn, eggplant, red, green cabbage, Swiss chard, kale, collards, dill, mint, basil, parsley, cilantro, leeks, green onions, squash, zucchini continued in the southern district. Disease problems were reported, including downy mildew, phytophthora blight. In some central localities, leaf diseases were reported on tomatoes, cucumbers, cantaloupes, downy mildew, leaf spot disease, phytophthora blight on pumpkins. The cooler temperatures slowed tomato ripening in the northern district. Potato harvest was slowed in some locations by the weather. Peach harvest continued, apples were sizing well in the northern district. Increased threat of hoof disease in cattle herds remained strong.

NEW MEXICO: Days suitable for fieldwork 6.0. Topsoil 13% very short, 34% short, 45% adequate, 8% surplus. Most locations measured some rainfall from thunderstorms during the week, although activity was far less widespread, generally lighter than the week before. Silver City (1.43") and Clayton (1.33") were the only locations that received over an inch of rain. Although hotter weather returned as the week progressed, the cool beginning caused the weekly average temperatures to be a few degrees below normal at most places, especially in the eastern plains. There were no 100° temperatures recorded during the week. Extreme temperatures ranged from 36 at Red River on several mornings to 98 at Deming on the 30th. Farmers spent the week preparing soil for replanting, irrigating, harvesting wheat, oats, fruits, chile. General crop conditions were hardly affected by wind with 8% light, 1% moderate damage reported. No hail damage was reported. Alfalfa was reported fair to excellent with 88% of the 3rd cutting, 21% of the 4th complete. Cotton conditions remained stable at 23% fair, 54% good, 23% excellent. Progress 78% setting bolls. Corn conditions were also reported fair to excellent with 82 % of the crop silking, 42% doughing, 11% dented. Sorghum 71% fair, 28% good, 1% excellent 20% headed. Peanuts 31% fair, 48% good, 21% excellent, 87% pegging. Pecans continue to be in fair to excellent condition. Chile conditions 1% poor, 18% fair, 61% good, 20% excellent, 9% green chile harvested. Apple conditions were mostly very poor to fair. Fall lettuce planting began last week with 10% reported complete. Pinto beans were reported to be in good to excellent condition, while pumpkin, watermelon were in good condition. Ranchers were busy with conservation practices, maintaining herds, providing supplemental feeding. Cattle conditions declined slightly despite the rains with reports showing 3% very poor, 12% poor, 30% fair, 37% good, 18% excellent. Sheep conditions improved slightly with 6% very poor, 15% poor, 33% fair, 42% good, 4% excellent. Reports indicated range, pasture feeds 19% very poor, 33% poor, 25% fair, 16% good, and 7% excellent.

NEW YORK: Days suitable for field work 2.8. Soil 4% short, 54% adequate, 42% surplus. Pasture feed 5% poor, 38% fair, 34% good, 23% excellent. Rain, wetness continued to stall fieldwork. Dry hay harvest at a standstill. Some first cuttings abandoned. Most corn tasseled or was on the verge of it. Some fields showing signs of stress from wetness. Wheat harvest delayed, sprouting a concern. Beet, potato harvest underway. Oats ripe, lodged in some fields. Vegetable harvesting picked up momentum. Work in vineyards delayed by rain. Apples sizing well.

NORTH CAROLINA: Days suitable for field work 5.0. Soil 1% very short, 10% short, 76% adequate, 13% surplus. Activities Included: Harvesting tobacco, peaches, apples, Irish potatoes, cutting hay along with disease, pest scouting. The State's flue-cured tobacco auctions open this week. Most of the State received rainfall this week with some localized areas receiving damaging amounts in a short period of time. Precipitation ranged from 0.6 to 4.65 inches with temperatures near normal for this time of year. The rainfall delayed field activities in areas hardest hit. Corn, cotton, soybeans are maturing about a week ahead of the 5-year average.

NORTH DAKOTA: Days suitable for fieldwork 6.6. Topsoil 17% very short, 25% short, 56% adequate, 2% surplus. Subsoil 18% very short, 22% short, 56% adequate, 4% surplus. Cool temperatures were well suited to wheat crop development, but they continued to restrain late season crop progress. Average temperatures were 1 to 5° below normal, as lows ranged from 36 to 51° Barley 65% turning or beyond, 79% 2003, 64% average. Durum wheat 68% milk stage or beyond, 67% 2003, 66% avg.; 31% turning or beyond, 35% 2003, 27% avg.; 1% harvested, 1% 2003, 1% average. Hard red spring wheat 47% turning or beyond, 65% 2003, 57% average. Oats 62% turning or beyond, 72% 2003, 64% average. Canola 41% turning or beyond, 67% 2003, 58% avg.; 4% swathed, 25% 2003, 14% average. Dry Edible Beans 72% blooming or beyond, 88% 2003, 91% avg.; 17% podding or beyond, 44% 2003, 53% average. Flaxseed 25% turning or beyond, 40% 2003, 27% average. Potatoes 70% had rows filled or beyond, 82% 2003, 89% average. Sunflower 8% blooming or beyond, 32% 2003, 25% average. Emerged crop conditions ratings: Canola 1% very poor, 7% poor, 33% fair, 43% good, 16% excellent. Durum wheat 1% very poor, 11% poor, 33% fair, 53% good, 2% excellent. Dry edible beans 1% very poor, 6% poor, 33% fair, 52% good, 8% excellent. Flax 0% very poor, 2% poor, 36% fair, 55% good, 7% excellent. Potatoes 1% very poor, 4% poor, 28% fair, 54% good, 13% excellent. Sugarbeets 1% very poor, 2% poor, 22% fair, 66% good, 9% excellent. Sunflower 1% very poor, 7% poor, 29% fair, 56% good, 7% excellent. Hay 22% very poor, 13% poor, 30% fair, 31% good, 4% excellent. Alfalfa 2nd cutting complete 48%, 78% of all other hay had been baled. Stockwater supplies 7% very short, 19% short, 72% adequate, 2% surplus. Range, pasture feeds 19% very poor, 17% poor, 30% fair, 29% good, 5% excellent.

OHIO: Days suitable for field work 4.3. Topsoil 2% very short, 17% short, 74% adequate, 7% surplus. Alfalfa hay 2nd cutting complete 73%, 66% 2003, 86% avg.; 3rd cutting complete 9%, 8% 2003, 19 % avg. Apples harvested (summer) 47%, 44% 2003, 48% avg. Corn 90% silked, 76% 2003, 83% avg.; 27%, dough 7% 2003, 18% avg. Peaches 40% harvested, 34% 2003, 36% avg. Oats 86% ripe, 90% 2003, 94 % avg.; 44% harvested, 34% 2003, 58% avg. Other hay 2nd cutting complete 52%, 44% 2003, 63% avg. ; 3rd cutting complete 4%, 3% 2003, 8% avg. Soybeans 85% blooming, 78% 2003, 85% avg.; 52% setting pods, 29% 2003, 41% avg. Corn conditions 4% very poor, 10% poor, 26% fair, 43% good, 17% excellent. Hay conditions 4% very poor, 12% poor, 30% fair, 42% good, 12% excellent. Oats conditions 2% very poor, 11% poor, 30% fair, 44% good, 13% excellent. Pasture feeds 2% very poor, 5% poor, 29% fair, 53% good, 11% excellent. Soybean conditions 5% very poor, 10% poor, 30% fair, 41% good, 14% excellent. This past week farmers were busy baling hay, straw along with doing maintenance, equipment repairs. Due to the excessive rainfall, the grass, pastures had plenty of moisture. Stark county reported dry weather. Many counties have been preparing for their county fairs, for the upcoming the state fair, which begins this week. The farmers in Williams county have been spraying soybeans for Japanese beetles, aphids. Japanese beetles were also present in Lucas county. Soybeans setting pods have not been seen in Morrow county yet. The oats harvest is nearing completion in Wyandot county. However, oats harvest is behind in Harrison county. Producers in Athens county were busy spraying weeds this past week, while in Auglaize, Medina counties farmers were spreading manure on crop fields. Peaches, apples are growing well in Wayne county. The peach crop in Richland county is reported to be doing well. The cooler weather has helped livestock conditions.

OKLAHOMA: Days suitable for fieldwork 4.3. Topsoil 7% very short, 20% short, 68% adequate, 5% surplus. Subsoil 10% very short, 19% short, 67% adequate, 4% surplus. Wheat 88% plowed, 85% last week,

92% 2003, 91% avg.; 10% seedbed prepared, 5% last week, 7% 2003, 14% avg. Oats 91% plowed, 85% last week, 93% 2003, 91% avg.; 6% seedbed prepared, 4% last week, 8% 2003, 10% avg. Rye 93% plowed, 88% last week, n/a last year, n/a avg. Corn 1% poor, 12% fair, 30% good, 57% excellent; 99% silking, 85% last week, 78% 2003, 92% avg.; 56% dough, 48% last week, 47% 2003, 50% avg.; 22% mature, 15% last week, 18% 2003, 17% avg. Soybeans 2% poor, 31% fair, 53% good, 14% excellent; 98% emerged, 97% last week, 100% 2003, 99% avg.; 56% blooming, 49% last week, 53% 2003, 59% avg.; 36% setting pods, 27% last week, 33% 2003, 34% avg. Peanuts 72% setting pods, 55% last week, 61% 2003, 62% avg. Alfalfa hay 5% poor, 22% fair, 53% good, 20% excellent; 93% 3rd cutting, 84% last week, 91% 2003, 81% avg.; 12% 4th cutting, n/a last week, n/a last year, n/a avg. Other Hay 3% poor, 28% fair, 51% good, 18% excellent; 1st cutting 94%, 93% last week, 96% 2003, 96% avg.; 2nd cutting 45%, 40% last week, 36% 2003, 42% avg. Watermelons 99% setting fruit, 93% last week, 100% 2003, 100% avg.; 79% harvested, 59% last week, 73% 2003, 64% avg. Livestock 1% poor, 16% fair, 54% good, 29% excellent; Pasture, Range 1% very poor, 4% poor, 22% fair, 49% good, 24% excellent. Livestock: Livestock conditions 29% excellent, 54% good, 16% fair, 1% poor. Livestock insect activity was mostly moderate to light. The price for feeder steers, heifers increased this week. Feeder steers less than 800 pounds went up \$4.13 to \$122.58 per cwt. The price for feeder heifers less than 800 pounds also increased to \$116.91 per cwt., a six dollar and forty-nine cent jump from previous week.

OREGON: Days suitable for fieldwork: 7.0. Topsoil 11% very short, 46% short, 43% adequate. Subsoil 11% very short, 42% short, 47% adequate. Barley 30% harvested, 20% previous week, 62% 2003, 40% 5-yr avg.; condition 2% poor, 28% fair, 62% good, 8% excellent. Winter wheat 51% harvested, 23% previous week, 64% 2003, 54% 5-yr avg.; condition 2% poor, 31% fair, 59% good, 8% excellent. Spring wheat 22% harvested, 15% previous week, 56% 2003, 34% 5-yr avg. Range, Pasture 1% very poor, 12% poor, 43% fair, 39% good, 5% excellent. Activities: Hot, dry weather conditions continued from last week, increasing irrigation usage. High temperatures generally in nineties, with overnight lows in fifties. Precipitation virtually non-existent, except for some scattered thunderstorms in Harney County & Klamath Basin. Wildfire reported about 30 miles southeast of Burns, according to National Interagency Fire Center; currently about 17% contained. Ontario recorded weekly high of 210 growing degree days (base 50). Haying, grass seed harvest continued. Grain harvest underway. Harney County finished up alfalfa second cutting, as well as grain, grass hay. Klamath County started some grain harvest, continued with second hay cutting. Malheur County continued wheat harvest, wrapped up third cutting of alfalfa. Lane, Linn, Benton, Marion counties continued grass seed harvest. Marion County wheat, spring oat harvest started, with third cutting alfalfa complete; grass seed harvest continued there also. Washington County winter wheat harvest in full swing with high yields; red clover past full bloom, seed setting; most grass seed harvested, bales of straw removed from fields there. Garlic harvested. Summer squash, cucumbers, dill, carrots, many specialty crops for sale at farmers markets. Early tomatoes, sweet corn ready in Marion County. Commercial sweet corn growing rapidly, setting large ears. Potatoes maturing rapidly in Washington County. Klamath County reported potatoes one percent knocked down. Summer apples picked in some Willamette Valley areas. Pears continued sizing. Evergreen blackberry, blueberry harvest continued. Peaches picked throughout Willamette Valley, southern state. Routine summer orchard operations continued in Hood River Valley. Growers in lower valley areas prepared for summer pear harvest. Southern coast cranberry growers monitored, mapped weed infestations; crop development good to excellent. Higher than average temperatures required growers to do heavy irrigation. Nurseries also feeding plants, repotting plants, doing pot rotation. Bearded iris growers harvesting tubers for shipment to customers. Growers getting ready for "Far West" nursery show at end of August. Livestock being rotated to late summer grazing areas throughout the state. Cattle in western state moved to better pastures with irrigation. Dryland pastures entered dormancy, are about used up in many areas. Supplemental feeding common. Livestock moved into areas where water still available. Livestock continued to be reported in excellent condition throughout the state.

PENNSYLVANIA: Days suitable for field work 3.0. Soil 59% adequate, 41% surplus. Corn 80% silk, 48% 2003, 65% avg.; 26% dough, 3% 2003, 20% avg.; height 80 inches, 63 inches 2003, 66 inches avg.; condition 2% poor, 12% fair, 36% good, 50% excellent. Winter wheat

87% harvested, 82% 2003, 94% avg. Oats 88% turning yellow, 73% 2003, 85% avg.; 51% ripe, 42% 2003, 62% avg.; 19% harvested, 13% 2003, 36% avg.; condition 2% very poor, 8% poor, 34% fair, 52% good, 4% excellent. Soybean condition 1% poor, 12% fair, 58% good, 29% excellent. Potatoes 7% harvested, 1% 2003, 6% avg. Alfalfa 2nd cutting 71% complete, 73% 2003, 80% avg.; 3rd cutting 22% complete, 21% 2003, 32% avg.; condition 1% very poor, 4% poor, 23% fair, 50% good, 22% excellent. Timothy clover 1st cutting 92% complete, 91% 2003, 96% avg.; 2nd cutting 24% complete, 20% 2003, 31% avg.; crop condition 1% very poor, 6% poor, 22% fair, 56% good, 15% excellent. Peach crop condition 1% poor, 6% fair, 35% good, 58% excellent; 53% harvested, 24% 2003, 32% avg. Apple crop condition 5% poor, 20% fair, 52% good, 23% excellent. Apples harvested 21% complete, 9% 2003, 10% avg. Quality of hay made 9% very poor, 24% poor, 44% fair, 18% good, 5% excellent. Pasture feeds 3% very poor, 4% poor, 19% fair, 52% good, 22% excellent. Activities Include: Hay making; spreading manure; applying herbicides, pesticides; harvesting wheat, oats; picking fruit; repairing fences, machinery; and baling straw.

SOUTH CAROLINA: Days suitable for field work 5.4. Soil 3% very short, 18% short, 73% adequate, 6% surplus. Corn 95% doughed, 88% 2003, 90% avg.; 45% matured, 36% 2003, 45% avg.; 4% harvested, 1% 2003, 7% avg.; 5% very poor, 9% poor, 25% fair, 49% good, 12% excellent. Peanuts 91% pegged, 94% 2003, 91% avg.; 1% poor, 27% fair, 57% good, 15% excellent. Sorghum 97% headed, 82% 2003, 76% avg.; 58% turned color, 49% 2003, 46% avg.; 28% matured, 6% 2003, 7% avg.; 53% fair, 47% good. Cotton 98% squared, 92% 2003, 95% avg.; 65% setting bolls, 40% 2003, 56% avg.; 2% poor, 19% fair, 72% good, 7% excellent. Pastures 1% very poor, 11% poor, 29% fair, 56% good, 3% excellent. Soybeans 65% bloomed, 39% 2003, 46% avg.; 39% setting pods, 9% 2003, 23% avg.; 2% poor, 19% fair, 65% good, 14% excellent. Tobacco 99% topped, 99% 2003, 99% avg.; 46% harvested, 43% 2003, 37% avg.; 1% stalks destroyed, 1% 2003, 3% avg.; 6% poor, 15% fair, 58% good, 21% excellent. Other hay 86% harvested, 83% 2003, 81% avg.; 6% poor, 39% fair, 49% good, 6% excellent. Peaches 65% harvested, 70% 2003, 70% avg.; 6% very poor, 2% poor, 17% fair, 31% good, 44% excellent. Apples 73% fair, 27% good. Snapbeans 100% harvested, 100% 2003, 99% avg. Watermelons 96% harvested, 96% 2003, 96% avg. Tomatoes 99% harvested, 100% 2003, 99% avg. Cantaloups 98% harvested, 97% 2003, 97% avg. Livestock 3% poor, 22% fair, 69% good, 6% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 6.3. Topsoil 14% very short, 31% short, 52% adequate, 3% surplus. Subsoil 20% very short, 29% short, 49% adequate, 2% surplus. Feed supplies 10% very short, 20% short, 63% adequate, 7% surplus. Stock water supplies 24% very short, 29% short, 45% adequate, 2% surplus. Winter wheat 96% ripe, 99% 2003, 98% avg. Barley 97% turning color, 95% 2003, 95% avg.; 60% ripe, 61% 2003, 71% avg. Oats 97% turning color, 99% 2003, 97% avg.; 70% ripe, 85% 2003, 82% avg. Spring wheat 98% turning color, 99% 2003, 97% avg.; 55% ripe, 79% 2003, 76% avg. Sunflower 22% very poor, 4% poor, 28% fair, 37% good, 9% excellent. Corn 81% tasseled, 84% 2003, 85% avg. Sunflower 20% blooming, 22% 2003, 25% avg.; 2% ray flowers dry, 1% 2003, 2% avg.; 0% bracts yellow, 0% 2003, 1% avg. Cattle condition 3% poor, 16% fair, 60% good, 21% excellent. Sheep condition 7% poor, 9% fair, 61% good, 23% excellent. Range, Pasture 9% very poor, 18% poor, 31% fair, 34% good, 8% excellent. Alfalfa hay 11% very poor, 12% poor, 21% fair, 41% good, 15% excellent; 2nd cutting harvested 78%, 85% 2003, 74% avg.; 3rd cutting harvested 8%, 9% 2003, 12% avg. Other hay 82% harvested, 91% 2003, 84% avg. Soil moisture conditions continue to decline under warm temperatures, limited rainfall. Stock water supplies also fell with the lack of rainfall. The warm, dry weather allowed more progress on the winter wheat harvest. Spring seeded-small grain harvest is underway, but is slightly behind as some fields are slow to ripen. Producers are beginning third cutting alfalfa, scouting for insects, and maintaining livestock.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 14% short, 80% adequate, 6% surplus. Subsoil 12% short, 83% adequate, 5% surplus. Tobacco 52% topped, 47% 2003, 51% avg.; 3% very poor, 5% poor, 24% fair, 53% good, 15% excellent. Alfalfa hay 2nd cutting 95%, 95% 2003, 97% avg. Pastures 2% poor, 15% fair, 63% good, 20% excellent. Scattered showers and cooler weather pushed through the State last week bringing needed rainfall to many locations. Thus, this year's row crops continued to be rated in mostly good-to-excellent

condition. Overall, the tobacco crop continued to be rated in mostly good condition, although too much rain, disease pressure has a third of the crop in only fair-to-very poor condition. Crop development continues to outpace last year and the five-year averages. Hay producers made good progress on their second cutting of alfalfa. The State's cattle producers were applying chemicals to control flies, continued treating isolated cases of pink eye. Some of the major activities accomplished during the five days suitable for fieldwork last week were topping tobacco, spraying pesticides, harvesting hay. Temperatures averaged near normal in East part of the State, below normal across the remainder of the State for the week, while rainfall averaged below normal across the State.

TEXAS: Agricultural Summary: Unusual weather for this time of year was everybody's topic of conversation in the state. A stalled frontal boundary lingered over the State during the week, causing heavy rain for most areas. flooding for some. The heaviest rainfall amounts were reported on the South Plains, North Central State. Generally, between 2 and 8 inches of rain were recorded in those regions but an isolated location accumulated up to 12 inches. Severe flood damage along swollen creeks occurred just south of Dallas. Portions of the Trans Pecos also received very heavy rain. Widespread areas reported from 2 to over 6 inches of precipitation. Widely scattered storms blew through the Edwards Plateau as well as Central, South, East State. Accumulations ranged from a trace to 4 inches in some locations. The Panhandle saw varied rainfall amounts ranging from a trace to 2 inches. Near record low temperatures were recorded in the northern half of the State. The Panhandle, South Plains saw thermometer readings drop down into the mid-50's. Soil moisture, crops greatly benefitted from the increased moisture. Many irrigation pumps were shut down, wells were allowed to recharge. Stock tanks filled back up again with runoff water. Harvest of corn, sorghum was halted in parts of Central State, the Blacklands. Resurgence of weeds were observed in many locations. Insect pressure was reported as generally light. Small Grains: Wheat field preparation continued where conditions allowed. Corn: Panhandle corn benefitted greatly where rains fell. Silage cutting began in the region. Grain harvest in southern areas of the Blacklands moved along quickly in fields that missed the rain. The rest of region should start combining as soon as fields dry out enough. Because of the rain, humidity the past few weeks, some fields will have to dry out a little more before harvesting. Many growers were hoping for a week or two of open weather. Combining on the Coastal Band, Upper Coast, South State was fast, furious. Some counties were finishing up for the season. Rio Grande Valley corn harvest neared completion. Corn condition 95% normal, 57% 2003. Cotton: Increased moisture on the South Plains helped out cotton fields tremendously. Many producers gave their irrigation pumps a rest. Where the heaviest rain fell, some poorly drained fields were submerged. Crop progress varied from blooming to full boll set. A couple weeks of warm, open weather would be ideal for many fields after a week of rain. Earlier planted fields on the Blacklands were opening bolls. Boll worm problems were reported in some areas. Harvest has started on the Coastal Bend, many other producers continued to apply defoliant in preparation for harvest. Cotton stripping was ongoing in the Rio Grande Valley. Cotton condition 81% normal, 59% 2003. Sorghum: Rain was beneficial to sorghum fields on the Panhandle, South Plains. Blackland sorghum was being harvested as conditions permitted, many producers would be in the field as soon as they were dry. Some of those fields would have to stand longer than normal to allow the grain to dry out. Harvest was ongoing in Central, South State. Combines were winding down on the Coastal Bend, the Upper Coast. Harvest was complete in the Rio Grande Valley. Sorghum 83% normal, 59% 2003. Peanuts: Peanuts were expected to respond well to the increased precipitation. Most fields were pegging. Peanut condition 93% normal, 88% 2003. Rice: Most fields have turned color. Harvest of early rice fields has begun on a limited basis. Rice condition 81% normal, 85% 2003. Commercial Vegetables, Fruit, Pecans On the High Plains, pumpkins were ahead of schedule, but fungi growth was expected with the recent rains. Watermelon harvest was delayed. In the Trans-Pecos, chiles were reaching maturity. Grape, watermelon harvest was delayed where rains fell. In East State, peach harvest was ongoing. Pecans: Nut development continued. Aphids, pecan scab were becoming increasingly problematic. Growers were spraying accordingly. Range, Livestock: Range, native pasture growth was helped out where rain fell. Many weeds seemed to respond more favorably to the moisture than forages did. Haying activities continued where conditions allowed, growers were optimistic about a third cutting later in the year. Many cattle herds have gained weight ahead of schedule given the good pasture, range growth over the summer. Those cattle were expected to

be marketed earlier than normal. Some stockers were bought to graze on fall pastures. A continually strong cattle market kept ranchers in high spirits.

UTAH: Days suitable for field work 7. Subsoil 16% very short, 45% short, 39% adequate, 0% surplus. Irrigation Water Supplies 31% very short, 38% short, 31% adequate, 0% surplus. Winter wheat 46% harvested, 57% 2003, 49% avg.; condition 1% very poor, 12% poor, 27% fair, 45% good, 15% excellent. Spring wheat 10% harvested, 33% 2003, 26% avg.; 0% very poor, 6% poor, 29% fair, 44% good, 21% excellent. Barley harvested (grain) 33%, 38% 2003, 36% avg.; condition 0% very poor, 3% poor, 22% fair, 58% good, 17% excellent. Oats 96% headed, 97% 2003, 93% avg.; harvested (grain) 13%, 22% 2003, 17% avg.; 85% harvested for hay or silage, 86% 2003, 83% avg. Corn 63% silked (tasseled), 53% 2003, 48% avg.; 3% dough, 4% 2003, 4% av.; condition 0% very poor, 1% poor, 21% fair, 64% good, 14% excellent; height 74 inches, 70 inches 2003, 67 inches avg. Alfalfa hay 2nd cutting 85%, 78% 2003, 79% avg.; 3rd cutting 10%, 6% 2003, 9% avg. Other hay cut 87%, 87% 2003, 88% avg. Cattle, calves moved From Summer Range 6%, 0% 2003, 6% avg. Cattle, calves condition 0% very poor, 2% poor, 21% fair, 65% good, 12% excellent. Sheep, lambs moved From Summer Range 0%, 0% 2003, 5% avg.; condition 0% very poor, 1% poor, 19% fair, 68% good, 12% excellent. Stock Water Supplies 14% very short, 37% short, 48% adequate, 1% surplus. Apricots 89% harvested, 100% 2003, 99% avg. Sweet Cherries 100%, harvested 100% 2003, 100% avg. Tart Cherries 92% harvested, 63% 2003, 79% avg. Peaches 6% harvested, 3% 2003, 4% avg. Scattered thunderstorms interrupted hot weather in parts of the state last week, where farmers had 6.5 days suitable for field work. The isolated showers across the state affected some farming activities such as 2nd crop hay harvest. The major concern across the state was a lack of water. Farmers, ranchers in northern counties who have been short on water expect conditions to worsen. In Box Elder County, crops such as corn, onions were showing signs of stress where irrigation was inadequate. According to the state Power, water delivery from Bear Lake will end in the coming week. Stored irrigation water supplies in Sevier County were also reportedly depleted. Grain harvest was underway across the state last week as farmers were harvesting barley, oats for grain, wheat. More than half of the dryland winter wheat in Southeastern state had been harvested, yields were reportedly better than they have been in 4 years. Safflower, dry beans in that region also looked good, especially in areas that received thunderstorms. A severe hail storm in Iron County caused damage to 2nd crop hay, other crops. Cache County reported good looking corn where irrigation supplies were adequate, while Weber County farmers were spraying their corn for spider mites. Apricot harvest was finishing up across the state, while peach harvest had just begun. Cattle, Sheep remained in good condition. Isolated rains helped to sustain range feeds in parts of the state. In other regions, including the western part of Box Elder County, the rangeland was beginning to dry out.

VIRGINIA: Days suitable for fieldwork 3.5. Topsoil 1% very short, 9% short, 61% adequate, 29% surplus. Subsoil 1% very short, 11% short, 70% adequate, 18% surplus. It was another wet week for the state. The south, southeastern region of the State experienced the heaviest rainfall, averaging between 3 to 4 inches. There were some places that exceeded 7 inches of rain. However, the western counties missed most of these rain showers. The average temperature increased slightly to 76°, which is a typical temperature for this time of year. A few corn fields suffered from excessive moisture, nitrogen depletion, however, most of state's corn remains in good condition. Harvesting corn for silage is getting underway. Late planted soybeans suffered because of the untimely rain. There was increased concern over disease in the cotton, peanut fields; wet foliage is a breeding ground for disease. Rain has lowered the quality of cantaloupes, tomatoes, has delayed the harvest of potato, tomato crop. Dry weather would greatly benefit vegetable growers. Activities Included: Applying herbicide, insecticide were possible, repairing flood damage, and showing livestock at the County Fairs.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 11% very short, 45% short, and 44% adequate. Subsoil 6% very short, 36% short, 58% adequate. Irrigation water supply 5% short, 95% adequate. The

highest temperature in the state was 101° in Hanford, Pasco. The lowest temperature in the state was 43° in Pullman. Winter wheat condition 2% very poor, 8% poor, 26% fair, 58% good, 6% excellent; 35% harvest. Spring wheat condition 2% very poor, 7% poor, 32% fair, 56% good, 3% excellent. Spring wheat was 100% headed and 24% harvested. Barley condition was 2% very poor, 6% poor, 33% fair, 52% good, 7% excellent. Barley 20% harvested. Winter wheat, spring cereal harvest was progressing with the hot, dry weather. Our second largest wheat producing county reported that producers in lower elevations had almost completed harvest, while producers in higher elevations had just started. Potato conditions 1% poor, 7% fair, 91% good, 1% excellent; 17% harvested. Corn conditions 2% fair, 97% good, 1% excellent; harvested for silage 1% harvested. Dry Peas 20% harvested. Dry edible bean conditions 1% fair, and 99% good; 1% harvested. Processing green peas 94% harvested. Reports of scab, internal brown spots were seen in some potato fields. Alfalfa Hay 2nd cutting complete 91% 3rd cutting complete 36%. Hay, other roughage 5% short, 88% adequate, 7% excellent. Range, pasture feeds 2% very poor, 14% poor, 54% fair, 30% good. Pastures, hayfields were showing stress from the dry, hot conditions. Apple maggot adults were being caught in monitoring traps for the third week in a row. Blueberries continued to be harvested with excellent yields being reported. Lentils were being harvested. Warm season vegetables, such as cucumbers, tomatoes, and eggplants, were being harvested.

WEST VIRGINIA: Days suitable for field work 4.0. Topsoil 10% short, 69% adequate, 21% surplus, 2003 3% short, 84% adequate, 13% surplus. Corn conditions 1% very poor, 2% poor, 15% fair, 57% good, 25% excellent; 85% silked, 43% 2003, 62% 5-yr avg.; 22% doughing, 3% 2003, 15% 5-yr avg. Oats conditions 16% fair, 78% good, 6% excellent; 46% harvested for grain, 36% 2003, 50% 5-yr avg. Soybeans conditions 1% poor, 8% fair, 46% good, 45% excellent; 75% blooming, 33% 2003, 55% 5-yr avg.; 65% setting pods, 6% 2003, 22% 5-yr avg. Tobacco conditions 26% poor, 28% fair, 46% good; 7% topped, 7% 2003, 14% 5-yr avg. Hay conditions 5% poor, 36% fair, 48% good, 11% excellent; 1st cutting complete 97%, 91% 2003, 98% 5-yr avg.; 2nd cutting complete 37%, 17% 2003, 40% 5-yr avg. Apples 15% fair, 85% good. Peaches 15% fair, 85% good; 33% harvested, 33% 2003, 5-yr avg. not available. Cattle, calves 1% poor, 11% fair, 80% good, 8% excellent. Sheep, lambs 1% poor, 7% fair, 81% good, 11% excellent. Activities Included: Hay making, clipping pastures, preparing for county fairs.

WISCONSIN: Days suitable for fieldwork last week 6.1. Soil 9% very short, 31% short, 57% adequate, 3% surplus. Dry Weather, Great Hay: The dry weather has allowed farmers to put up second crop hay. However, it has put some crops under stress. Temperatures this past week were about 3° below normal for this time of year, ranging from the low 50's to the low 80's. Precipitation was less than one inch across most of the state, but 2.5 inches fell in the south central part of the state. Year-to-date precipitation in the northwestern part of the state is about 2 inches below normal, while the west central part of the state is about four inches above normal. The rest of the state is about normal. Most corn is beginning to silk, but under stress in some areas due to lack of rain. Early-planted corn is almost done pollinating. The second crop hay is being harvested with good quality and yield. Oat harvesting is underway, yields are looking good. Soybeans are blossoming, starting to set pods. Wheat harvest has begun in most areas around the state with some reports of scab.

WYOMING: Days suitable for field work 6.4. Topsoil 18% very short, 44% short, 38% adequate. Barley 82% turning color, 2003 90%, 80% 5-yr avg.; 47% mature, 56% 2003, 55% 5-yr avg.; 20% harvested, 13% 2003, 23% 5-yr avg.; condition 7% very poor, 8% poor, 17% fair, 66% good, 2% excellent. Oats 58% turning color, 60% 2003, 51% 5-yr avg.; 35% mature, 28% 2003, 22% 5-yr avg.; 11% harvested, 5% 2003, 5% 5-yr avg.; condition 10% very poor, 18% poor, 29% fair, 42% good, 1% excellent. Spring wheat 66% turning color, 61% 2003, 58% 5-yr avg.; 40% mature, 21% 2003, 25% 5-yr avg.; 8% harvested, 2% 2003, 7% 5-yr avg. condition 36% very poor, 25% poor, 19% fair, 20% good. Winter wheat 77% harvested, 76% 2003, 81% 5-yr avg. Corn 57% tasseled, 79% 2003, 80% 5-yr avg. Corn 5% silked, 47% 2003, 46% 5-yr avg.;

condition 3% very poor, 8% poor, 36% fair, 51% good, 2% excellent. Dry beans in bloom 58%, 91% 2003, 80% 5-yr avg.; 15% setting pod, 41% 2003, 40% 5-yr avg.; condition 2% very poor, 3% poor, 23% fair, 72% good. Condition of sugarbeets 3% very poor, 7% poor, 25% fair, 61% good, 4% excellent. Alfalfa 1st cutting 98%, 2003 100%, 99% 5-yr avg.; 2nd cutting 16%, 27% 2003, 27% 5-yr avg. Other hay 46% harvested, 70% 2003, 65% 5-yr avg. Irrigation water supplies 27% very short, 34% short, 39% adequate. Range, pasture feed 25% very poor, 28% poor, 32% fair, 12% good, 3% excellent. Cattle, sheep in fair to mostly good condition. Temperatures were mostly below normal. Temperatures ranged from 8.4° below normal in Archer to 1.9° above normal in Jackson. The highest temperature was 92° in Greybull and Redbird, while the lowest temperature was 38° in Big Piney and Laramie. Some precipitation was reported at all stations with most stations reporting below normal amounts except in some southwest, eastern areas. The most precipitation fell in Newcastle with 1.00 inch and Archer with 0.88 inch.