

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.0. Topsoil 0% very short, 5% short, 77% adequate, 18% surplus. Corn 98% dough, 94% 2002, 75% avg.; 91% dented, 70% 2002, 84% avg.; 62% mature, 37% 2002, 60% avg.; 9% harvested, 33% 2002, 22% avg.; 1% very poor, 3% poor, 8% fair, 39% good, 49% excellent. Soybeans 76% blooming, 90% 2002, 82% avg.; 50% setting pods, 61% 2002, 58% avg.; 0% very poor, 2% poor, 8% fair, 58% good, 32% excellent. Pasture feed 1% very poor, 1% poor, 13% fair, 57% good, 28% excellent. Livestock condition 0% very poor, 3% poor, 15% fair, 58% good, 24% excellent. Farmers mowed weeds in pastures, harvested corn, hay.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 35% short, 65% adequate. Subsoil 40% short, 60% adequate. Daytime high temperatures were in the sixties to eighties. Lows were mostly in the forties to fifties, with temperatures dipping into the high thirties near Delta Junction. Barley 55% turning color, 20% poor, 50% fair, 30% good. Oat 10% ripe, 10% poor, 50% fair, 40% good. Potatoes 90% in bloom, 5% poor, 10% fair, 55% good, 30% excellent. Hay 2nd cutting harvest was complete 5%, 10% poor, 30% fair, 40% good, 20% excellent.

ARIZONA: Temperatures for the State were above average for the week. Cotton 97% setting bolls, which is behind last year's and the five year average rate of 100%. Cotton bolls opening 29%, behind last year's rate of 43%. Alfalfa conditions were mostly good, with harvest progressing at a normal rate. Ranges are having some improvement but not enough for overall percentage increase. Precipitation was reported at 15 of the 17 reporting stations with 0.01 to 2.09 inches.

ARKANSAS: Days suitable for fieldwork 6. Soil 1% very short, 38% short, 55% adequate, 1% surplus. Corn 100% Dough, 97% 2002, 99% 3-yr avg.; 95% Dent, 84% 2002, 91% 3-yr avg.; 61% Matured, 53% 2002, 56% 3-yr avg.; 4% Harvested, 4% 2002, 8% 5-yr avg.; 0% very poor, 3% poor, 12% fair, 51% good, 34% excellent. Soybeans 94% Blooming, 94% 2002, 92% 5-yr avg.; 74% Setting Pods, 78% 2002, 70% 5-yr avg.; 3% very poor, 8% poor, 30% fair, 42% good, 17% excellent. Sorghum 99% Headed, 99% 2002, 98% 5-yr avg.; 91% Turning color, 82% 2002, 76% 5-yr avg.; 0% very poor, 4% poor, 20% fair, 54% good, 22% excellent. Cotton 98% Setting Bolls, 100% 2002, 100% 5-yr avg.; 3% Opening Bolls, 5% 2002, 9% 5-yr avg.; 0% very poor, 4% poor, 27% fair, 55% good, 14% excellent. Rice 92% headed, 92% 2002, 88% 5-yr avg.; 2% Harvested, 0% 2002, 1% 5-yr avg.; 1% very poor, 4% poor, 28% fair, 49% good, 22% excellent. Hay - other 0% very poor, 8% poor, 34% fair, 50% good, 8% excellent. Hay - Alfalfa: 0% very poor, 5% poor, 26% fair, 67% good, 2% excellent. Pasture, Range: 2% very poor, 12% poor, 31% fair, 46% good, 9% excellent: The majority of the state has experienced hot, dry weather this week. Although some areas received scattered showers, most farmers are in need of rain. There were 6 days suitable for field work. Soil moisture supplies were 6% very short, 38% short, 55% adequate, 1% surplus. CROPS: Irrigating soybeans, cotton, as well as scouting for insects, diseases have been the major events of the week. Stink bugs, worms have continued to show up in row crop fields. In soybeans, aerial blight, charcoal rot have been reported. Farmers are applying fungicides, insecticides where needed. Draining has begun in

rice fields, harvest has begun for corn and group 3 soybeans. Milo harvest is expected to begin next week. Pecan crops were reported to be in good condition. Watermelon crops were still producing, being harvested LIVESTOCK: Livestock were reported to be in good condition. In the northwest portion of the state, pastures are declining. Hay harvesting has slowed down. Horn flies in beef cattle herds have been increasing, insect control has begun. Producers are preparing to plant fall forages.

CALIFORNIA: Cotton fields continued to show steady development. Irrigation, pesticide treatments to control aphids, whiteflies were ongoing in many fields. A number of cotton fields were treated with plant growth regulators to advance boll development. Harvesting of small grains for seed was underway in a few late fields. In most areas, the small grain harvest was essentially finished for the season. Harvested grain fields were being prepared for fall planting or left fallow. Baled straw from harvested fields was stacked for storage. Seed alfalfa fields showed good seed set. Fields were being prepared for harvest. Alfalfa hay was cut, windrowed, baled, stacked. Vigorous growth continued in alfalfa hay fields under ideal weather conditions. Many alfalfa hay fields were irrigated, treated to control insect pests. Sudan grass was being cut for silage. Corn continued to show rapid growth. Irrigation, cultivation, pesticide treatments were underway as needed. Harvesting of silage corn was in full swing, with good yields, quality reported. Dry bean fields exhibited good pod development. Harvesting of sugar beets continued. Irrigation, weeding, treatments to control insect pests continued in maturing sugar beet fields. Rice was making better progress than expected due to the hot July weather. Early varieties were heading well. A few fields were already being drained. Weed treatments continued in some rice fields. Harvesting was underway in several sunflower, safflower fields. Potato harvesting continued. Picking crews remained busy as harvesting continued in stone fruit orchards. Varieties harvested included O'Henry peaches, Royal Diamond plums, Moyer prunes, Flavor Grenade pluots, Arctic Pride nectarines. Harvesting of Granny Smith and Gala apples was underway in several areas as crop maturity reached acceptable levels. Topping, summer pruning, irrigating, orchard removal were among the cultural activities taking place in fruit orchards. Pest control treatments were being applied as necessary, including pheromones for mating disruption. Good fruit development continued in pomegranate, persimmon orchards. Pomegranates were beginning to show color. Raisins were picked and laid out to dry in a number of vineyards. Picking, packing continued in table grape vineyards. Harvested varieties included Black Marroo, Ruby Seedless. Some Thompson Seedless grapes were sent to wineries for use in champagne production. Irrigation, cultivation, treatments to control insect pests continued in wine grape vineyards, in a few table grape vineyards as well. Strawberry fields were prepared for fall planting. Avocados were maturing, sizing well. Zutano avocado fruit drop has been heavy due to the heat. Irrigation, insect, weed control treatments were in progress in many citrus, olive orchards. Olive growers applied bait sprays to control the olive fruit fly. Red scale monitoring continued in citrus orchards. Valencia orange harvesting continued at a slow pace. Lemon picking, packing continued. Almond harvesting commenced in the Huron district. Crop development proceeded steadily in most almond orchards. Pre-harvest preparation of orchard floors continued in some areas.

Walnut, pecan orchards showed good progress. Irrigation, treatments to control insect pests were underway as needed. Vegetable harvesting made good progress under slightly cooler weather conditions. Transplanting of cauliflower, broccoli continued. Some growers applied worm, aphid, stink bug treatments to tomato fields. Pumpkins were sizing, developing good color. Harvesting of garlic, tomatoes for both fresh market, processing use continued. Squash harvesting continued, with lower volumes reported for some varieties. Onion harvesting was beginning to slow. Lettuce grown for seed was flowering, developing seed heads. Picking, packing of cantaloupes, honeydews, watermelons, mixed melons continued. Irrigation was underway in some maturing melon fields. Sweet corn harvesting continued, with a good volume noted so far. Commercial plantings of eggplant, cucumbers, bell peppers were harvested in the San Joaquin Valley. The following vegetables were also harvested: basil, carrots, cauliflower, celery, cilantro, lettuce, green onions, parsley, hot peppers, spinach, snap beans. Fall calving began in some beef herds on both irrigated, dryland pastures in central, northern state. Many beef calves were expected to be born within the next sixty days. Most fall calving beef cows on foothill pastures were receiving protein supplements. Cattle were in good condition. Irrigated pastures were in good condition in most areas. Cooler weather led to an increase in milk production. Sheep grazed in fallow fields, harvested grain fields. Bees were active in vegetable, vine seed fields

COLORADO: Days suitable for field work 6.7. Topsoil 43% very short, 35% short, 22% adequate, 0% surplus. Subsoil 42% very short, 35% short, 23% adequate, 0% surplus. Most growing areas in state remained extremely dry this week. Rain was patchy and brought little relief. Crops continue to be heavily stressed due to hot, dry conditions. Spring wheat 49% harvested, 42% 2002, 42% avg.; 4% poor, 23% fair, 50% good, 23% excellent. Spring barley 46% harvested, 61% 2002, 51% avg.; 1% very poor, 10% poor, 18% fair, 45% good, 26% excellent. Sunflower 8% very poor, 16% poor, 40% fair, 30% good, 6% excellent. Alfalfa 2nd cutting 79%, 88% 2002, 86% avg.; 17% 3rd cutting, 23% 2002, 19% avg.; 3% very poor, 8% poor, 25% fair, 45% good, 19% excellent. Dry beans 97% flowered, 81% 2002, 86% avg.; 1% cut, 1% 2002, 1% avg.; 4% very poor, 7% poor, 33% fair, 43% good, 13% excellent. Sugar beets condition 3% poor, 7% fair, 58% good, 32% excellent. Summer potatoes 18% harvested, 16% 2002, 18% avg.; 1% very poor, 3% poor, 4% fair, 49% good, 43% excellent. Fall potatoes condition 6% poor, 28% fair, 50% good, 16% excellent. Dry onions 24% harvested, 24% 2002, 20% avg.; 1% very poor, 3% poor, 12% fair, 42% good, 42% excellent

DELAWARE: Days suitable for fieldwork 4.6. Topsoil 3% short, 48% adequate, 49% surplus. Subsoil 59% adequate, 41% surplus. Corn 4% very poor, 9% poor, 25% fair, 44% good, 18% excellent; 68% dough, 86% 2002, 65% avg.; 15% dent, 47% 2002, 33% avg. Soybean 2% very poor, 10% poor, 30% fair, 45% good, 13% excellent; 52% blooming, 77% 2002, 61% avg.; 21% setting pods, 41% 2002, 40% avg. Sorghum 4% poor, 25% fair, 42% good, 29% excellent; 58% headed, 37% 2002, 52% avg. Pasture feed 4% poor, 19% fair, 64% good, 13% excellent. Other hay 2nd cutting 90%, 100% 2002, 98% avg.; 3rd cutting 21%, 45% 2002, 64% avg. Alfalfa hay 3rd cutting 43%, 71% 2002, 80% avg. Watermelons 42% harvested, 74% 2002, 55% avg. Lima beans (processed) harvested 8%, 7% 2002, 19% avg. Snap beans harvested 75%, 76% 2002, 67% avg. Sweet corn 56% harvested, 73% 2002, 61% avg. Potatoes 41% harvested, 76% 2002, 60% avg. Cantaloupes 49%, 74% 2002, 62% avg. Hay supplies 20% very short, 43% short, 32% adequate, 5% surplus. Conditions last week remained similar to previous weeks: hot, humid with afternoon showers. The heat, moisture maintained corn, soybean crop conditions and aided in corn development into the dent stage, nearly a quarter of the soybean crop forming pods. Many farmers mowed third cutting alfalfa and second, third cuttings of other hay, though afternoon showers toward the end of the week limited the amount of high quality hay being made. Hay supplies continued to decline. Fruits, vegetables continued to be harvested between showers with potato harvest nearly halfway finished.

FLORIDA: Topsoil 1% very short, 1% short, 38% adequate, 60% surplus. Subsoil 1% short, 39% adequate, 60% surplus. Temperature average: normal to 2° below normal, major cities. Daytime highs: 80s, 90s. Nighttime lows: mostly 70s. Rainfall range: traces West Palm Beach to over 5.25 in. Tallahassee. Live Oak, Tavares, Umatilla reported about 0.25 in. Bradenton, Jay, Marianna, Ona reported about 3.50 to 3.75 in. Peanut 1% poor, 4% fair, 55% good, 40% excellent. Rains

preventing pesticide spraying. Peanuts: disease increasing, most under control; condition mostly good to excellent, wetter fields poor to fair. Nutrient leaching, standing water causing some cotton yellowing, some cotton stunting. Rainfall delaying hay making, corn harvesting. Rains from tropical wave delayed some fall crop vegetable planting, central, southern Peninsula. Okra harvesting active, Dade County. Hot, humid weather interrupted by tropical wave, southern, central citrus areas. All areas received rainfall, heavier than normal. Isolated trees, some areas, showing stress due to standing water; growers maintaining middles, ditches to keep water moving; spraying between rains; majority of trees excellent with good fruit sizes. Pasture feed 1% very poor, 8% poor, 15% fair, 61% good, 15% excellent. Cattle condition 22% fair, 68% good, 10% excellent. Panhandle, north: cattle, pastures good to excellent; some low lands have very wet soil conditions; sunshine needed. Central: excess soil moisture in some locations; rains reducing forage quality, providing increased mosquito challenges with weight loss on cattle; army worm damage hurting some pastures. Southeast: pasture, cattle condition good; stock ponds full. Southwest: range conditions vary from very poor to excellent, with very poor areas suffering from excess moisture. Statewide: cattle condition mostly good.

GEORGIA: Days suitable for field work 4.6. Soil 2% short, 61% adequate, 37% surplus. Corn 80% mature, 90% 2002, 87% avg.; 19% harvested for grain, 39% 2002, 36% avg. Hay 5% poor, 23% fair, 56% good, 16% excellent. Sorghum 2% poor, 21% fair, 58% good, 19% excellent; 8% harvested for grain, 6% 2002, 6% avg. Soybeans 1% dropping leaves, 3% 2002, 2 avg. Tobacco 74% harvested, 79% 2002, 72% avg. Apples 4% poor, 13% fair, 60% good, 23% excellent; 16% harvested, 14% 2002, 11% avg. Pecans 8% poor, 32% fair, 52% good, 8% excellent. Temperatures last week were near normal with high humidity. Rains continued during the week, but the rains were more scattered, isolated than past weeks. The scattered nature of the showers offered some growers relief from the rains. The rain that fell tended to be in large quantities. Crop conditions continued in mostly good to excellent condition. Growers were getting in as much fieldwork as possible during the week. Corn harvest continues to be slow due to wet fields. There was a limited amount of vegetable planting in sandy, well drained soils. Growers were active in spraying peanuts, pecans for insects, disease. Activities: Growers were cutting hay where possible, mowing pastures, harvesting tobacco, performing routine care of livestock, poultry.

HAWAII: The high pressure system north of the State continued to produce moderate to brisk trade winds, generally dry conditions. Scattered showers remained limited to windward, mountain areas. East state banana orchards were in fair to good condition with young plantings making good progress. Lower Puna papaya orchards were in fair to good condition with steady supplies. Vegetables remained in mostly fair to good condition, but some areas were still feeling the adverse effects of the hot, dry weather.

IDAHO: Days suitable for fieldwork 6.90 Topsoil 35% very short, 43% short, 22% adequate, 0% surplus. Continued dry conditions this past week enabled farmers to make substantial progress on small grain harvest. Harvest remains ahead of last year, the five year average for most crops throughout the state. Irrigation Water Supply 12% very poor, 23% poor, 39% fair, 25% good, 1% excellent. Potato Vines Dying/Killed 18%, 8% 2002, 9% avg.; 0% Harvested, 1% 2002, 1% avg.; 0% very poor, 2% poor, 12% fair, 70% good, 16% excellent. Peaches 31% Harvested, 22% 2002, 25% avg. Plums, Prunes 27% Harvested, 3% 2002, 5% avg. Winter Wheat 0% very poor, 1% poor, 32% fair, 47% good, 20% excellent. Oats 35% Harvested for Grain, 15% 2002, 22% avg. Alfalfa Hay 2nd Cutting harvested 87%, 86% 2002, 89% avg.; 3rd Cutting Harvested 38%, 27% 2002, 30% avg. Mint Harvested (1st cutting) 82%, 46% 2002, 65% avg. Dry Peas 54% Harvested, 19% 2002, 48% avg. Lentils 66% Harvested, 38% 2002, 31% avg. Dry Beans 1% Harvested, 1% 2002, 2% avg. Activities: Irrigating, caring of livestock, weed, pest control, harvesting winter wheat, spring wheat, barley, oats, hay, peaches, prunes, plums, dry peas, lentils, mint, dry beans, potatoes.

ILLINOIS: Days suitable for fieldwork 6.6. Topsoil 12% very short, 33% short, 52% adequate, 3% surplus. Corn 2% Mature, 4% 2002, 5% avg. Soybeans 0% Turning Yellow, 3% 2002, 2% avg.; Alfalfa Hay 3rd Crop 63%, 55% 2002, 55% avg.; Crop stress is beginning to show across the state after last week's warmer temperatures, dry weather. Condition

ratings declined for both corn, soybeans from the previous week's levels. Temperatures statewide were 2-3° warmer than normal with rainfall levels barely 25% of normal for the week. Farmers were concerned about soybean aphids with some spraying being done especially across northern state. Most farmers were monitoring their soybean fields for aphids as well as spider mites. Soybean plant growth has slowed to a crawl, especially the double crop beans in the south, due to the dry conditions. Corn fields were beginning to show signs of stress also as the ears begin to draw energy from the lower leaves, stalks. Corn fields in far southern areas of the state are maturing rapidly with farmers reporting harvest could begin there in about three weeks. Pastures have begun to dry up early this year in many areas with cattle being pulled off pastures, hay being fed. Farmers used the days suitable for fieldwork across the state last week preparing combines for harvest, cleaning out grain bins, attending the state fair.

INDIANA: Days suitable for fieldwork 6.1. Topsoil 1% very short, 12% short, 78% adequate, 9% surplus. Subsoil 3% very short, 8% short, 82% adequate, 7% surplus. Hot, dry weather prevailed most of the week. Showers, thunderstorms few isolated areas. Stress in some major crop fields from lack of rain, insects, diseases. Both corn, soybean condition improved. Aphids in many soybean fields. Farmers had a good week for spraying along with cutting, baling of hay. Japanese beetles very active. Temperatures averaged 1° below to 5° above normal for the week. Precipitation averaged 0.0 to 2.89 inches. Spraying for weeds, insects continued. Blue mold in some tobacco fields. Livestock are in mostly good condition. Second cutting of alfalfa hay virtually complete. Third cutting of alfalfa hay 27% complete, 39% 2002, 62% avg. Topping of tobacco plants underway. Pastures 1% very poor, 3% poor, 17% fair, 64% good, 15% excellent. Activities: Mowing, baling hay, spraying for weeds and insects, moving grain to market, hauling manure, cleaning out grain bins, certifying crop acreage, mowing waterways, roadsides, repairing equipment, taking care of livestock.

IOWA: Agricultural Summary: Days suitable for fieldwork 6.8. Topsoil 39% very short, 41% short, 20% adequate, 0% surplus across state. Subsoil 25% very short, 42% short, 33% adequate, 0% surplus. As corn was filling kernels, soybeans were filling pods, more visual signs of moisture stress were reported in these crops last week in state. Crops on hilltops or in lighter soils were showing the most stress. Aphid levels in soybeans were high enough to spray in many fields. Pastures were reported as deteriorating quickly, supplemental feeding of hay continued. There was a common request for rain throughout the state. Field Crops Report: Corn acreage in or past milk stage was 86%, 94% 2002, 91% 5-yr avg of milk stage. Corn acreage in or past dough stage 45%, 63% 2002, 58% 5-yr avg of dough stage. Corn acreage in or past dent stage 7%, 23% 2002, 19% 5-yr avg of t dent stage, 2% very poor, 8% poor, 27% fair, 49% good, 14% excellent. Soybean acreage 98% blooming, 92% setting pods, 96% 2002, 94% 5-yr avg podded., 1% leaves turning color, 2% very poor, 9% poor, 30% fair, 47% good, 12% excellent. Alfalfa hay 3rd 51% cutting of complete, 47% 2002 complete, 34% 5-yr avg of complete. Hay 9% very poor, 25% poor, 36% fair, 27% good, 3% excellent. Livestock, Pasture, Range Report: Livestock were stressed by the hot, humid conditions last week. Pasture, range feed 21% very poor, 31% poor, 33% fair, 14% good, 1% excellent.

KANSAS: Topsoil 64% very short, 32% short, 4% adequate. Subsoil 54% very short, 41% short, 5% adequate. Corn 13% mature, 11% 2002, 11% avg. Soybeans 4% dropping leaves, 7% 2002, 7% avg. Sunflowers 81% blooming, 83% 2002, 87% avg.; ray flowers dry 23%, 29% 2002, 29% avg.; 5% bracts yellow, 21% 2002, 16% avg.; 10% very poor, 18% poor, 42% fair, 26% good, 4% excellent. Alfalfa 3rd cutting 81%, 82% 2002, 90% avg.; 4th cutting 12%, 21% 2002, 25% avg. Cotton 65% setting bolls, 2% very poor, 5% poor, 34% fair, 51% good, 8% excellent. Hot dry conditions stressed row crops. Corn silage harvest continues. Pasture feed 31% very poor, 36% poor, 28% fair, 5% good. Hay, forage supplies 5% very short, 20% short, 72% adequate, 3% surplus. Some areas are supplemental feeding. Early weaning of calves has begun.

KENTUCKY: Days suitable for fieldwork 4.9. Topsoil 8% short, 73% adequate, 19% surplus. Subsoil 9% short, 74% adequate, 17% surplus. Tobacco 3% very poor, 11% poor, 25% fair, 42% good, 19% excellent. Blue mold comments showed no consensus on impact. There were about as many remarks that damage was light or moderate as there were that

some fields were badly damaged by the disease. Less rain, higher temperatures last week should help slow the spread of blue mold. Black shank damage appears to be minimal to moderate. Insect damage has been minimal. Burley tobacco 59% topped, 79% 2002, 5-yr avg.; 9% cut, 17% 2002, 22% 5-yr avg. Dark tobacco 85% topped, 97% 2002, 93% 5-yr avg.; 8% tobacco cut, 19% 2002, 21% 5-yr avg. Hay harvest picked up in most areas. It is still a challenge to harvest hay, clip pastures in eastern. State where the ground remains saturated. Hay crop 3% poor, 20% fair, 57% good, 20% excellent. Pasture feed 3% poor, 20% fair, 57% good, 20% excellent

LOUISIANA: Days suitable for fieldwork 5.8. Soil 10% very short, 35% short, 48% adequate, 7% surplus. Corn 6% poor, 21% fair, 46% good, 27% excellent; 96% mature, 85% last week, 98% 2002, 99% avg.; 28% harvested, 12% last week, 36% 2002, 54% avg. Harvesting of corn made excellent progress. Hay 87% 2nd cutting, 76% last week, 75% 2002, 70% avg. Peaches 100% harvested, 99% last week, 95% 2002, 99% avg. Rice 79% ripe, 67% last week, 84% 2002, 79% avg. Scattered showers slowed rice harvest in some areas. Sorghum 76% ripe, 54% last week, 64% 2002, 73% avg.; 26% harvested, 12% last week, 22% 2002, 28% avg. Soybeans 25% turning color, 12% last week, 21% 2002, 26% avg. Sugarcane 2% very poor, 5% poor, 28% fair, 40% good, 25% excellent; 15% planted 5% last week, 14% 2002, 15% avg. Sweet potatoes 5% harvested, 1% last week, 6% 2002, 7% avg. Livestock 3% poor, 26% fair, 60% good, 11% excellent. Vegetables 7% very poor, 15% poor, 45% fair, 29% good, 4% excellent

MARYLAND: Days suitable for fieldwork 5.2. Topsoil 3% short, 76% adequate, 21% surplus. Subsoil 79% adequate, 21% surplus. Corn 6% very poor, 10% poor, 18% fair, 44% good, 22% excellent; 47% dough, 76% 2002, 64% avg.; 17% dent, 41% 2002, 31% avg. Soybean 7% very poor, 17% poor, 29% fair, 34% good, 13% excellent; 42% blooming, 82% 2002 76% avg.; 15% setting pods, 61% 2002, 57% avg. Sorghum 7% very poor, 4% poor, 31% fair, 33% good, 25% excellent; 50% headed, 53% 2002, 76% avg. Tobacco condition 19% poor, 15% fair, 39% good, 27% excellent; 21% topped, 63% 2002, 62% avg. Apple condition 24% fair, 68% good, 8% excellent. Lima Beans (processed) harvested 16%, 25% 2002, 32% avg. Apples 8% harvested, 20% 2002, 13% avg. Peaches 57% harvested, 75% 2002, 68% avg. Watermelons 43% harvested, 59% 2002, 57% avg. Potatoes 60% harvested, 62% 2002, 86% avg. Snap Beans 67% harvested, 70% 2002, 69% avg. Sweet Corn 74% harvested, 64% 2002, 71% avg. Cantaloups 56% harvested, 73% 2002, 72% avg. Other Hay 84% 2nd cutting, 95% 2002, 91% avg.; 3rd cutting 12%, 51% 2002, 44% avg. Alfalfa Hay 3rd 45% cutting, 74% 2002, 71% avg. Pasture feed 2% very poor, 6% poor, 22% fair, 46% good, 24% excellent. Hay supplies 18% very short, 30% short, 52% adequate. Hot, humid conditions with afternoon thundershowers dominated the forecast last week. Corn, soybean, sorghum conditions remained relatively stable with adequate moisture, hot temperatures. Nearly half of the corn crop is in the dough stage with a few fields beginning to dent. A few farmers have begun chopping corn for silage. Sunny conditions during the earlier parts of the days allowed for continued harvest progress of fruit, vegetable crops. A fair amount of third cutting alfalfa hay, second and third cuttings of other hay were made last week. However, many farmers were not able to get all of their hay in before afternoon storms at the end of the week soaked the crop laying in the field. The result is hay supplies remain in short supply.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 11% very short, 33% short, 52% adequate, 4.0% surplus. Subsoil 14% very short, 36% short, 48% adequate, 2.0% surplus. All hay 2nd cutting 89%, 85% 2002, 87% avg.; 3rd cutting 25%, 25% 2002, 26% avg. Blueberries harvested 73%, NA 2002, NA avg. Corn silked (tasseled) 96%, 97% 2002, 97% avg. Dry beans blooming 95%, 95% 2002, 95% avg.; 55% setting pods, 68% 2002, 76% avg.; 2.0% leaves turning, 3.0% 2002, 6.0% avg. Oats 56% harvested, 79% 2002, 84% avg. Soybeans 0% leaves turning, 0% 2002, 2.0% avg. During week, some districts reported near ideal mixes of rain, warm temperatures, others suffered from hot weather, limited moisture. Temperatures ranged from 6° above normal west central Lower Peninsula to 3° above normal east central Lower Peninsula. Precipitation amounts ranged from 0.01 inches eastern Upper Peninsula to 0.87 inches south central Lower Peninsula. Overall conditions remain quite mixed across State, within districts. Continuous dry weather across State last week allotted farmers time for fieldwork. The good side of dry weather is that it slowed down white mold damage soybean crop. Straw baling still

underway, summer harvest about done. The second cutting of hay Southwest region going slow due to amount of rain that area. Third cutting catching up. Corn for grain had been affected by dry weather. Rain needed for quality to improve. Overall, corn looked good, but needed warm moist weather to beat frost some areas State. Oats, sugarbeets still looking good. Dry beans blooming, setting pods. Wheat harvest is now completed. Apples continue to size well across State. Pristine, Paula Red harvested southwest. Growers protecting against codling moth and Oriental fruit moth. Maturity is expected to be later than normal for most areas of State due to cool spring weather. McIntosh harvest is anticipated to begin September 11 southwest, September 17 southeast, September 24 west central. Jonathan harvest is expected to begin September 28 southwest, October 7 on Ridge, October 11 northwest. Peach harvest continued. Red Haven harvest began southwest. Fruit size, skin color, quality good. European red mites caused bronzing some cherry blocks southwest. Tart cherry harvest northwest almost complete. Harvest of early plum varieties continued. Stanley plums purple southwest. Early pears nearing harvest southwest. Blueberry harvest continued. Bluecrop harvest winding down southwest. Fruit size, quality have been excellent. Fall raspberry harvest continued southwest. Vegetable farmers continued to deal with powdery mildew problems in several vegetable varieties across State. Heavy dews and high humidity exacerbated problem. Growers noted some Watermelon Mosaic Virus 2 as well. Aphids becoming more of a problem. Early zucchini harvest neared completion southwest, moving along west central. Cooler weather slowed production somewhat. Processing tomato harvest scheduled to begin next week southeast. Early harvest volume picked up, producers reported excellent quality, yield. Cucumber harvest well under way. Sweet corn harvest progressed across much of State. Farmers reported abundant supply, excellent quality. Snap bean harvest began west central. Growers several districts reported increased disease outbreaks. Some onion fields west central began to lay down. Carrots progressed nicely. Some disease reported, but under control.

MINNESOTA: Days suitable for fieldwork 6.8. Topsoil 28% very short, 52% short, 20% adequate, 0% surplus. Corn 93% milking, 94% 2002, 91% avg. Soybeans 1% turning yellow, 1% 2002, 1% avg. Canola 30% harvested, 5% 2002, NA avg. Sweet corn 36% harvested for processing, 41% 2002, 43% avg. Potatoes 14% harvested, 3% 2002, 2% avg. Pasture feed 15% very poor, 26% poor, 43% fair, 16% good, 0% excellent. Sugarbeets 2% very poor, 8% poor, 26% fair, 50% good, 14% excellent. Dry Beans 2% very poor, 10% poor, 34% fair, 41% good, 13% excellent. Canola 0% very poor, 0% poor, 3% fair, 68% good, 29% excellent. Potatoes 2% very poor, 2% poor, 20% fair, 56% good, 20% excellent. Sunflowers 1% very poor, 7% poor, 19% fair, 60% good, 13% excellent. Crop conditions continue to decline due to continuous dry weather. Producers continue to look for rain to relieve stressed crops. Soybean fields are constantly being sprayed for aphids. Small grain harvest is progressing well throughout the state.

MISSISSIPPI: Days suitable for fieldwork 5.7. Soil 8% very short, 20% short, 66% adequate, 6% surplus. Corn 96% dent, 96% 2002, 97% avg.; 58% mature, 69% 2002, 76% avg.; 8% harvested, 13% 2002, 27% avg.; 95% silage harvested, 81% 2002, 72% avg.; 2% poor, 8% fair, 50% good, 40% excellent. Cotton 97% setting bolls, 100% 2002, 100% avg.; 11% open bolls, 25% 2002, 31% avg.; 2% very poor, 6% poor, 16% fair, 49% good, 27% excellent. Rice 96% heading, 98% 2002, 90% avg.; 16% mature, 24% 2002, 17% avg.; 1% poor, 11% fair, 55% good, 33% excellent. Sorghum 96% turning color, 92% 2002, 88% avg.; 57% mature, 50% 2002, 48% avg.; 7% harvested, 6% 2002, 12% avg.; 12% fair, 61% good, 27% excellent. Soybeans 97% setting pods, 96% 2002, 96% avg.; 49% turning color, 32% 2002, 35% avg.; 29% shedding leaves, 19% 2002, 19% avg.; 7% harvested, 3% 2002, 3% avg.; 2% poor, 19% fair, 41% good, 38% excellent. Hay 82% harvested, (warm season), 84% 2002, 78 avg. Sweetpotatoes 1% harvested, 0% 2002, 6% avg.; 4% very poor, 18% poor, 47% fair, 31% good. Cattle 4% poor, 22% fair, 53% good, 21% excellent. Pasture 4% poor, 18% fair, 57% good, 21% excellent. Harvesting is underway for all crops except cotton which continues to lag behind historical averages. Reported yields thus far are encouraging, but weather factors will be critical over the next several weeks.

MISSOURI: Days suitable for fieldwork 6.8. Topsoil 56% very short, 31% short, 13% adequate. Northwest, west-central districts remain the driest areas but drought conditions are spreading into the north-central,

central districts as well as other localized areas. Row crops are suffering as continued dry weather and recent high temperatures occurred throughout the State. Development of corn ranges from 78% dough stage or beyond, 35% dented in the north-central, northeast districts to 94% dented southeast. Corn condition is rated poorest in the northwest, west-central, central districts where two-thirds or more of the crop is rated poor or very poor. Some of the poorest corn is being cut for silage. The soybean crop is in critical need of rain, with the moisture shortage likely to cause major damage to pod development if drought conditions persist. Soybean development varies from 22% setting pods in southwest, south-central districts to 79% northwest. Alfalfa 3rd crop cut 75%, 71% 2002, 68% avg. Pasture feed 35% very poor, 36% poor, 20% fair, 8% good, 1% excellent. Hay feeding has become necessary in many western, northern, central counties. Low water levels in stock ponds are making care of livestock difficult. Rainfall averaged 0.14 inches, with nearly all areas receiving only minor amounts or none.

MONTANA: Days suitable for fieldwork 6.8. Topsoil 75% very short, 21% short, 4% adequate, 0% surplus. Subsoil 64% very short, 28% short, 8% adequate, 0% surplus. Weather conditions for the week were above normal temperatures with very little rain. Barley 98% turned, 78% is ripe, 54% is harvested, 18% very poor, 22% poor, 27% fair, 28% good, 5% excellent. Corn 0% very poor, 8% poor, 35% fair, 32% good, 25% excellent. Alfalfa 2nd cutting of hay 68% harvested. Other hay 2nd cutting of is 42% harvested. Dry beans 3% very poor, 15% poor, 41% fair, 30% good, 11% excellent. Oat 96% turned, 77% is ripe, 48% harvested, 9% very poor, 15% poor, 31% fair, 32% good, 13% excellent. Potatoes 0% very poor, 1% poor, 10% fair, 71% good, 18% excellent. Sugar beets 1% very poor, 4% poor, 28% fair, 26% good, 41% excellent. Spring wheat 99% turned, 80% ripe, 39% harvested, 14% very poor, 33% poor, 39% fair, 12% good, 2% excellent. Winter wheat 94% harvested. Pasture, Range feeds 30% very poor, 32% poor, 26% fair, 10% good, 2% excellent.

NEBRASKA: Days suitable for fieldwork 6.8. Topsoil 47% very short, 34% short, 19% adequate, 0% surplus. Subsoil 46% very short, 34% short, 20% adequate, 0% surplus. Temperatures averaged from near normals to 4° above normals for the week. Precipitation was virtually nonexistent with limited showers along the eastern border, in the center of the state. Dry bean 4% very poor, 8% poor, 27% fair, 53% good, 8% excellent; 81% set pods, 90% 2002, 79% avg.; 9% turning color, 16% 2002, 12% avg. Alfalfa 15% very poor, 27% poor, 35% fair, 21% good, 2% excellent; 3rd cutting 61% harvested, 71% 2002, 59% avg. Pasture, range feed 25% very poor, 29% poor, 32% fair, 14% good, 0% excellent. Some producers hauling water, supplemental feedstuffs to cattle

NEVADA: Northern state experienced warm, dry weather throughout the week. Temperatures averaged several degrees above normal in most areas. Thundershowers fell in southern state midweek with Las Vegas recording .51 inch of rain. Second cutting of alfalfa neared completion. Earlier rains had delayed harvest of some fields to the point where bloom had begun, thus reducing quality. Grain hay harvest was completed, as was first cutting of grass hay. Seed crop harvests continued. Harvest of fall seeded grain was completed. Spring grain harvests continued. Potatoes remained in bloom with crop condition reported to be good. Surface irrigation water supplies were diminishing. Cantaloups were growing well. Garlic harvest continued. Grasshopper, Mormon cricket infestations continued to plague some areas in northern state. Activities: Haying, grain harvest, garlic harvest, irrigating, weed control, insect control

NEW ENGLAND: Days suitable for field work 5.0. Topsoil 0% very short, 2% short, 72% adequate, 26% surplus. Subsoil 0% very short, 15% short, 64% adequate, 21% surplus. Pasture feed 0% very poor, 2% poor, 16% fair, 69% good, 13% excellent. Maine Potatoes condition good/excellent. Rhode Island Potatoes 10% harvested, 35% 2002, 30% avg.; condition good/excellent. Massachusetts Potatoes 10% harvested, 20% 2002, 20% avg.; condition good. Maine Oats 0% harvested, 5% 2002, 10% avg.; condition good/fair. Maine Barley 0% harvested, 5% 2002, 20% avg.; condition good/fair. Field Corn condition good. First Crop Hay 99% harvested, 99% 2002, 99% avg.; 2nd Crop Hay: 55% harvested, 75% 2002, 70% avg.; condition good/fair; 3rd Crop Hay: 10% harvested, 35% 2002, 20% avg.; condition good. Shade Tobacco 45% harvested, 75% 2002, 75% avg.; condition fair/good. Broadleaf Tobacco 40%

harvested, 70% 2002, 65% avg.; condition fair/good. Sweet Corn 40% harvested, 45% 2002, 50% avg.; condition good/fair. Apples: 5% harvested, 10% 2002, 10% avg.; condition good/fair. Peaches 40% harvested, 60% 2002, 50% avg.; condition good/fair. Pears: condition good/fair. Massachusetts Cranberries: condition good/fair. Highbush Blueberries: 70% harvested, 80% 2002, 75% avg.; condition good/fair. Maine Wild Blueberries 50% harvested, 45% 2002, 55% avg.; condition good. Hot, humid, rainy conditions remained in state throughout most of the week, continuing to thwart field activities, delaying crop harvest. Growers were pleased when skies cleared, humidity lifted at week's end.

Activities: Cutting haylage, making dry hay; harvesting broadleaf tobacco, shade tobacco, potatoes, apples, peaches, highbush blueberries, wild blueberries, vegetables; spreading manure; mowing; pruning; weeding; monitoring fields; applying insecticides, fungicides between shower

NEW JERSEY: Days suitable for field work 5.3. Top soil 62% adequate, 38% surplus. Temperatures were above normal for the week. There were measurable amounts of rainfall during the week over most of the state. Activities: Planting fall vegetables, harvesting fruit, summer vegetables, spraying pesticides, herbicides. Good pasture forage reduced supplemental livestock feeding. There was a report of thrips, grasshoppers in central district hay fields. Vegetables were rated in fair to good condition as harvesting continued. The south reported phytophthora blight on cucumber, pumpkin plants. In the north, some cantaloupes cracked due to wet conditions, while it was reported that leaf spots, mildew were common on pumpkin plants. Sweet corn quality varied, there were reports of worm damage in northern, southern localities. Cat facing on tomatoes due to the weather was reported in the central district, in the south there was a report of tomatoes cracking. Irish potato harvest began in the central district. Apple harvest continued in the north with good crop condition reported.

NEW MEXICO: Days suitable for fieldwork 7.0. Topsoil 64% very short, 23% short, 13% adequate. The week began unusually warm but a low, westward moving system entered the state via Texas midweek and brought more widespread showers, thunderstorms along with cooler temperatures to most areas. Ruidoso received more rainfall this past week than they had seen during the month of July 2003. However the eastern plains, Albuquerque area missed most of the beneficial showers, storms. Wind damage 6% light, 2% moderate. Farmers spent the week cutting hay, harvesting green chile, irrigating, starting silage cutting. Alfalfa 10% very poor, 15% poor, 55% fair, 14% good, 6% excellent with reports of the hot dry weather hurting production. Some areas are short of irrigation water leaving some farmers only to get one or two cuttings. Others reported to be 91% finished with their third cutting, the fourth at 85% complete, the fifth cutting 30% complete. Corn remained in mostly fair to good condition, 100% silked, 73% doughing, 38% dent stage. Cotton is reported to be really blooming, but fields are cutting out quick. Conditions for cotton held steady over the week, reported in mostly fair to good condition, 98% setting bolls, 8% bolls opening. Little insect activity was reported for last week. Total sorghum remained in mostly very poor to fair condition. Total sorghum headed reached 44%, 4% coloring. Peanuts saw a slight drop through the week but still listed as mostly fair with 94% of the crop pegging. Fall lettuce was reported to be 90% planted. Chile was reported as mostly poor to good, the green chile harvest was 36% complete. Pecan conditions showed some improvement, are listed as fair to excellent. Pecan drop 57% above average, 43% heavy drop. Other crops such as pumpkins, watermelons, pinto beans 100% good. Ranchers spent the week branding, maintaining water supplies, while some continue to sell off herds due to drought conditions. Cattle conditions 2% very poor, 22% poor, 48% fair, 28% good. Sheep 15% very poor, 20% poor, 28% fair, and 37% good. Range, pasture 48% very poor, 35% poor, 14% fair, 3% good.

NEW YORK: Days suitable 3.4. Topsoil 1% short, 57% adequate, 42% surplus. Muggy, wet week. Pasture feed 4% poor, 22% fair, 58% good, 16% excellent. Hay 8% poor, 23% fair, 57% good, 12% excellent. Corn 3% poor, 16% fair, 41% good, 40% excellent. Soybeans 4% poor, 18% fair, 63% good, 15% excellent. Oats 58% harvested, 53% 2002. Wheat 76% combined, 93% 2002. Alfalfa 2nd cut harvested 81%, 97% 2002. Clover-timothy 2nd cut 65%, 87% 2002. Tart, sweet cherry harvests complete. Apples, grapes, peaches, pears good condition. Apple picking began on earlier varieties. Long Island grapes approaching verasion.

Vegetable crops experiencing an array of mold, disease problems due to continuous damp weather.

NORTH CAROLINA: Days suitable for field work 4.3. Soil 0% very short, 2% short, 54% adequate, 44% surplus. Widely scattered afternoon storms dominated the week. Portions of the eastern mountains, Southern, Central Piedmont, Coastal regions received heavy downpours which saturated fields, slowed tobacco harvest, haymaking. The excessive moisture has caused rot in some soybean fields, poor boll set in cotton. Activities: Harvesting tobacco, produce, peaches, apples; making hay; scouting crops for disease, insects; spraying crops when economic thresholds are met, fields dry enough to access; tending livestock; general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 7.0. Topsoil 26% very short, 48% short, 26% adequate, 0% surplus. Subsoil 21% very short, 42% short, 37% adequate, 0% surplus. Above normal temperatures, virtually no precipitation last week enabled producers to make excellent progress harvesting small grains. Durum wheat 86% turning, beyond, 78% 2002, 77% avg.; 25% combined, 9% 2002, 15% avg. Canola 78% swathed, beyond, 63% 2002, 67% avg.; 27% combined, 8% 2002, 15% avg. Dry Edible Beans 51% fully podded, beyond, 50% 2002, 66% avg.; 21% had lower leaves yellowing, beyond, 14% 2002, 33% avg. Flaxseed 90% turning, beyond, 77% 2002, 75% avg.; 9% combined, 6% 2002, 8% avg. Thirty-one percent of the potatoes had vines killed, beyond, 7% 2002, 11% avg. Fourteen percent of the sunflowers were dropping their ray flowers, beyond, 11% 2002, 11% avg. Durum Wheat 1% very poor, 14% poor, 36% fair, 45% good, 4% excellent. Dry Edible Beans 0% very poor, 4% poor, 23% fair, 59% good, 14% excellent. Flaxseed 0% very poor, 7% poor, 28% fair, 53% good, 12% excellent. Potatoes 1% very poor, 1% poor, 18% fair, 61% good, 19% excellent. Sugarbeets 0% very poor, 2% poor, 18% fair, 52% good, 28% excellent. Sunflower 1% very poor, 7% poor, 28% fair, 53% good, 11% excellent. All hay 7% very poor, 15% poor, 38% fair, 33% good, 7% excellent. Alfalfa 2nd cutting of was 91% complete, 95% of all other hay had been cut. Stockwater supplies 7% very short, 31% short, 61% adequate, 1% surplus. Pasture, range feeds 11% very poor, 28% poor, 39% fair, 21% good, 1% excellent.

OHIO: Days suitable for fieldwork 4.5. Topsoil 0% very short, 2% short, 72% adequate, 26% surplus. Alfalfa hay 2nd cutting complete 82%, 100% 2002, 99% avg.; 3rd cutting complete 23%, 54% 2002, 53% avg. Corn 98% silking, 96% 2002, 99% avg.; 52% in dough, 46% 2002, 66% avg.; 4% dented, 7% 2002, 17% avg.; 2% silage harvested, NA% 2002, NA% avg. Cucumber 51% harvested, 57% 2002, 65% avg. Oats 84% harvested, 93% 2002, 97% avg. Other hay 2nd cutting complete 67%, 86% 2002, 86% avg.; 3rd cutting complete 11%, 27% 2002, 27% avg. Peaches 65% harvested, 64% 2002, 70% avg. Potatoes 22% harvested, 18% 2002, 30% avg. Processing tomatoes 3% harvested, 2% 2002, 6% avg. Soybeans 97% blooming, 94% 2002, 98% avg.; 71%, setting pods, 72% 2002, 86% avg. Summer apples 80% harvested, 65% 2002, 76% avg. Corn conditions 2% very poor, 8% poor, 25% fair, 43% good, 22% excellent. Hay conditions 4% very poor, 9% poor, 31% fair, 45% good, 11% excellent. Pasture feeds 1% very poor, 4% poor, 23% fair, 54% good, 18% excellent. Soybean 3% very poor, 9% poor, 28% fair, 43% good, 17% excellent. Temperatures warmed up this past week across the state of state. Throughout the week farmers baled hay, combined oats, applied herbicides to soybeans. Fruit producers harvested peaches, apples with several reporting heavy fruit sets. Growers applied insecticides to many of the major field crops, vegetables. Farmers bush hogged pastures, repaired fences, prepared equipment for the fall harvest

OKLAHOMA: Days suitable for fieldwork 6.3. Topsoil 48% very short, 37% short, 15% adequate. Subsoil 38% very short, 41% short, 21% adequate. Wheat 97% plowed, 95% last week, 96% 2002, 95% avg.; 27% seedbed prepared, 15% last week, 40% 2002, 33% avg. Rye 30% seedbed prepared, 25% last week, 45% 2002, 37% avg. Oats 98% plowed, 96% last week, 99% 2002, 94% avg.; 22% seedbed prepared, 13% last week, 34% 2002, 26% avg. Corn 3% poor, 14% fair, 36% good, 47% excellent; 93% silking, 92% last week, 100% 2002, 100% avg.; 70% dough, 61% last week, 77% 2002, 85% avg.; 34% mature, 28% last week, 54% 2002, 28% avg.; 9% harvested, n/a last week, 7% 2002, 4% avg. Sorghum 8% mature, n/a last week, 6% 2002, 5% avg.; 3% harvested, n/a last week, 1% 2002, 1% avg. Soybeans 4% very poor,

21% poor, 39% fair, 35% good, 1% excellent; 84% blooming, 76% last week, 86% 2002, 84% avg.; 64% setting pods, 54% last week, 68% 2002, 63% avg.; 7% mature, n/a last week, 1% 2002, 1% avg.; 2% harvested, n/a last week, 1% 2002, 1% avg. Peanuts 94% setting pods, 85% last week, 88% 2002, 90% avg.; 10% mature, 1% last week, 8% 2002, 4% avg. Alfalfa Hay 6% very poor, 18% poor, 46% fair, 26% good, 4% excellent; 97% 3rd cutting, 95% last week, 96% 2002, 90% avg.; 33% 4th cutting, 25% last week, 49% 2002, 34% avg. Other Hay 6% very poor, 20% poor, 39% fair, 32% good, 3% excellent; 64% 2nd cutting, 46% last week, 72% 2002, 47% avg. Watermelons 95% harvested, 91% last week, 93% 2002, 87% avg. Livestock 1% very poor, 4% poor, 31% fair, 49% good, 15% excellent; Pasture, Range 7% very poor, 26% poor, 46% fair, 19% good, 2% excellent; Livestock: Many cattle herds are showing signs of stress but were still rated in mostly fair to good condition. Water levels are depleting quickly, have caused major concerns for producers. Cattle auctions reported an decrease in marketings of steers under 800 pounds, but an increase in heifers less than 800 pounds. The price for feeder steers less than 800 pounds decreased from last week by an average of fourteen cents per cwt. averaged \$94.57 per cwt. The average price for feeder heifers less than 800 pounds increased from last week by sixty-two cents per cwt. averaged \$90.66 per cwt

OREGON: Days suitable for fieldwork 6.9. Topsoil 42% very short, 43% short, 15% adequate. Subsoil 42% very short, 44% short, 14% adequate. Barley 85% harvested, 80% previous week, 74% 2002, 62% 5-yr avg. Winter wheat 93% harvested, 85% previous week, 94% 2002, 85% 5-yr avg. Spring wheat 88% harvested, 69% previous week, 77% 2002, 66% 5-yr avg. Range, Pasture 12% very poor, 27% poor, 43% fair, 18% good. Activities: Precipitation across state minimal this past week, conditions returned to hot, dry. However, nighttime low temperatures did fall in upper thirties in several south-central counties. Medford, Ontario recorded highs of 100°. Fire danger remains critical in Wasco County. Fires in Klamath, Wallowa counties active last week, according to Northwest Interagency Coordination Center (NWCC). Soil moisture conditions range from about 1 to 1.5 inches below normal across much of state. All but three weather stations reported no precipitation. Small grain harvest about done with a few fields from late plantings; some spring grains, fields at higher elevation still left to harvest. Some grain harvest in north-central state restarted after showers, raised humidity allowed increased moisture content in standing grain. Lots of irrigation applied to hay fields with plans for second, third cuttings. Grass seed harvest winding down. Most grass seed straw baled, in storage. Sugarbeet seed harvest continued. Peppermint harvest underway. Third cutting of alfalfa hay continued but should be finished by end of week in some areas. In Jackson, Josephine counties, vegetable growers continued getting vegetables out to roadside stands, local farmers markets. Lots of fresh sweet corn, cucumbers, tomatoes, bell peppers, summer squash, green beans available. Cooler weather slowed growth; nighttime temperatures in thirties, forties. Green beans harvest well advanced in Clackamas County, sweet corn harvest moved into high gear. In Umatilla County, Norkota potato crop not handling recent heat. Nurseries, greenhouses doing lots of irrigation, watering of plants. Big event this week is Far West Nursery Show in Portland, one of the biggest nursery shows in the country. Southern state coast Easter lily growers scaling bulbs, getting ready to start planting next year's crop. Summer pear harvest began in lower Hood River Valley with Red Clapp, Bartlett pears picked in earliest orchard sites. Early pear harvest also began in Jackson County. Blueberries harvested on southern coast, blackberry harvest continued in Willamette Valley. Peach harvest continued while tart cherries harvested. Conditions warm, dry across State, pasture land continued to deteriorate. As of August 17, 39% of pasture land reported to be in very poor or poor condition. In response to dry conditions, ranchers busy irrigating pastures, providing supplemental feed. In Jackson County, weaning of early spring calves reported

PENNSYLVANIA: Days suitable for field work 4.0. Soil 52% adequate, 48% surplus. Fall plowing 7% complete, 6% 2002, 9% avg. Corn 77% silk, 87% 2002, 89% avg.; 30% dough, 53% 2002, 54% avg.; 6% dent, 20% 2002, 15% avg.; 2% very poor, 6% poor, 23% fair, 39% good, 30% excellent. Oats 99% turning yellow, 100% 2002, 99% avg.; 83% ripe, 91% 2002, 91% avg.; 52% harvested, 75% 2002, 75% avg.; 4% very poor, 14% poor, 33% fair, 34% good, 15% excellent. Soybean 2% very poor, 6% poor, 23% fair, 46% good, 23% excellent. Potatoes 11% harvested, 24% 2002, 17% avg. Alfalfa 2nd cutting 84% complete, 91% 2002, 91% avg.; 3rd cutting 35% complete, 72% 2002, 57% avg.; 4th cutting 5% complete, 26% 2002, 13% avg. Timothy clover 2nd

cutting 42% complete, 70% 2002, 59% avg. Peach crop condition 1% poor, 15% fair, 54% good, 30% excellent; 52% harvested, 69% 2002, 63% avg. Apple crop condition 26% fair, 70% good, 4% excellent; 10% harvested, 9% 2002, 18% avg. Quality of hay made 14% very poor, 25% poor, 30% fair, 25% good, 6% excellent. Pasture feeds 2% very poor, 8% poor, 17% fair, 51% good, 22% excellent. Activities: Making hay; baling straw; harvesting oats; spraying pesticides; harvesting fruit, vegetables; hauling manure; spreading fertilizer, lime; fixing fences, general maintenance; caring for livestock; attending county fairs.

SOUTH CAROLINA: Days suitable for field work 4.8. Soil 53% adequate, 47% surplus. Corn 97% doughed, 99% 2002, 99% avg.; 80% matured, 94% 2002, 86% avg.; 10% harvested, 42% 2002, 29% avg.; 1% poor, 16% fair, 53% good, 30% excellent. Soybeans 73% bloomed, 78% 2002, 73% avg.; 36% pods set, 48% 2002, 40% avg.; 2% turning color, 8% 2002, 5% avg.; 2% very poor, 5% poor, 20% fair, 57% good, 16% excellent. Sorghum 92% headed, 93% 2002, 87% avg.; 65% turned color, 78% 2002, 67% avg.; 18% matured, 37% 2002, 32% avg.; 4% harvested, 9% 2002, 10% avg.; 23% fair, 74% good, 3% excellent. Cotton 99% squared, 99% 2002, 100% avg.; 77% bolls set, 89% 2002, 86% avg.; 2% bolls opened, 14% 2002, 8% avg.; 4% poor, 25% fair, 64% good, 7% excellent. Peanuts 99% pegged, 99% 2002, 94% avg.; 14% fair, 74% good, 12% excellent. Pastures 15% fair, 58% good, 27% excellent. Sweetpotatoes 24% fair, 76% good. Tobacco 71% harvested, 65% 2002, 64% avg.; 12% stalks destroyed, 14% 2002, 17% avg.; 7% poor, 34% fair, 53% good, 6% excellent. Other Hay 90% harvested, 89% 2002, 89% avg.; 2% poor, 22% fair, 66% good, 10% excellent. Peaches 81% harvested, 87% 2002, 88% avg.; 4% poor, 19% fair, 74% good, 3% excellent. Apples 75% fair, 25% good. Watermelons 99% harvested, 99% 2002, 99% avg.; 34% poor, 25% fair, 41% good. Cantaloups 99% harvested, 100% 2002, 99% avg.; 50% fair, 50% good. Livestock 5% fair, 68% good, 27% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 6.6. Topsoil 29% very short, 42% short, 29% adequate. Subsoil 28% very short, 37% short, 34% adequate, 1% surplus. Feed supplies 5% very short, 24% short, 68% adequate, 3% surplus. Stock water supplies 27% very short, 28% short, 44% adequate, 1% surplus. Winter Rye 100% harvested, 99% 2002, 97% avg. Barley 100% ripe, 100% 2002, 98% avg. Oats 100% ripe, 100% 2002, 99% avg. Spring Wheat 100% ripe, 100% 2002, 99% avg. Sunflower 10% very poor, 12% poor, 47% fair, 29% good, 2% excellent. Corn 100% tasseled, 100% 2002, 100% avg. Sunflower 83% blooming, 84% 2002, 85% avg. Sunflower ray flowers dry 16%, 31% 2002, 29% avg. Sunflower bracts yellow 7%, 17% 2002, 18% avg. Cattle condition 1% very poor, 4% poor, 28% fair, 55% good, 12% excellent. Sheep condition 2% poor, 22% fair, 63% good, 13% excellent. Range, Pasture 12% very poor, 25% poor, 37% fair, 23% good, 3% excellent. Corn silage harvested 6%, 10% 2002, 3% avg. Sorghum silage harvested 5%, 13% 2002, 5% avg. Alfalfa hay 10% very poor, 17% poor, 36% fair, 32% good, 5% excellent; 2nd cutting harvested 95%, 88% 2002, 88% avg.; 3rd cutting harvested 24%, 43% 2002, 34% avg. Other hay harvested 96%, 95% 2002, 89% avg. Farmers, ranchers noticed their crop, livestock conditions decline due to the dry weather, above normal temperatures last week. Temperatures averaged approximately 6° above normal, ranging from 2 to 14° above normal. Activities: Cutting, baling hay, harvesting small grains, fall planting field preparations, spraying, fixing fences, working summer fallow, caring for livestock

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 4% short, 82% adequate, 14% surplus. Subsoil 4% short, 87% adequate, 9% surplus. Pastures 1% poor, 14% fair, 63% good, 22% excellent. Tobacco 74% topped, 71% 2002, 77% avg.; 3% very poor, 6% poor, 28% fair, 51% good, 12% excellent. Burley 14% harvest, 16% 2002, 23% avg. Dark-air cured 7% harvested, 22% 2002, 24% avg. Dark-fired cured 16% harvest, 20% 2002, 25% avg. Crops, pastures continued to show improvement due in part to an ongoing pattern of moderate temperatures, timely rainfall. In some areas, cooler than average temperatures have slowed cotton, tobacco development, promoted the spread of disease. Only one-fourth of the tobacco crop remains to be topped, while harvest was in its second week. Activities: Across the state included silage harvest, aerial, ground spraying, preparing machinery for harvest

TEXAS: Agricultural Summary: Much of the State got relief from the 100+° weather as unseasonably cooler temperatures moved in early

week. Highs were in the 80's and low 90's, lows were in the upper 60's. As far as precipitation, the Plains received little or none. The Edwards Plateau, North, Central state generally recorded trace amounts of rain, but some locations reported downpours of over 2 inches. Wind damage, power outages occurred with some of these storms. Most of the rain fell in East state, the Upper Coast, the Coastal Bend, South state. These areas reported anywhere from 1 to 6 inches of precipitation, with 2 inches being most typical. The big weather story in the Rio Grande Valley occurred in late week when Tropical Storm Erika made landfall 30 miles south of Brownsville. Winds, rainfall were less than forecast, damage was expected to be minimal. Cooler temperatures during the week slowed soil moisture depletion, heat stress. Irrigation continued where water was available but was slowing in some areas where crops were nearing maturity. Harvest of summer crops continued across the state with only minor delays. Land preparation for fall planting continued. Range, pasture were still showing some green in areas that have been getting rain, but many regions were extremely dry. Cattlemen continued supplemental feeding, hauling water. Poultry in East state got some needed relief from the heat. Small Grains: Preparation for wheat, oat planting continued across many areas. Limited planted of wheat for grazing began in a few locations. Rain is needed before most producers can start planting. Corn: Farmers were finishing up irrigation of early planted corn across the Plains. Silage cutting was to begin in the next week. Harvest for grain was nearing completion in Central state, gained momentum in northern parts of the Blacklands. Corn borer, earworms increased on the Plains. Corn 58% of normal, 63% 2002. Cotton: Cotton continued to progress rapidly in most areas. Earlier planted dryland fields were beginning to cut-out in some locations. Square, boll drop was occurring in some drought stricken areas. Irrigated fields on the Plains continued to appear favorable. Central state, Upper Coast producers were defoliating when conditions allowed. Harvest was delayed in the Coastal Bend, the Rio Grande Valley due to rain. It remained to be seen how much, if any, effect Tropical Storm Erika had on the crop. Cotton 57% normal, 63% 2002. Sorghum: Irrigated sorghum appeared favorable on the Plains, but dryland fields continued to suffer, were burning up in many locations. Harvest continued throughout North, Central state, the Upper Coast, the Coastal Bend when conditions allowed. Harvest was nearing completion in many locations. Sorghum 62% normal, 57% 2002. Peanuts: Peanuts were generally still looking good except in areas where water was short. Many peanuts were nearing the end of the pegging stage. Pod rot continued to show up in some fields. Peanut 88% normal, 83% 2002. Rice: Rice harvest continued, but was delayed in many areas due to rain. Rice production was showing good quality, yields. Rice 83% normal, 93% 2002. Soybeans: Irrigated soybeans continued to make good progress, but dryland fields suffered. Rainfall on the Upper Coast was beneficial to the developing crop. Harvest of earlier planted soybeans continued to expand along more areas of the state. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley, rain halted most field activities. The additional moisture will be helpful in aiding land preparation for fall crops. In the San Antonio-Winter Garden, harvest of remaining vegetables was virtually complete, other activities were minimal. Land preparation for fall planting moved forward. In East state, harvest of remaining peas, late spring tomatoes continued as conditions allowed. Some early sweet potato harvest was taking place. In the High Plains, pumpkins were progressing well, harvest of the early crop was set to begin. Vegetable harvest continued in some locations. In the Trans Pecos region, harvest of watermelon, potatoes continued. Pecans, Grapes: Pecans were filling out where adequate moisture has been received. In wetter locations, mildew became a problem. In areas that continued to suffer from drought, trees were stressed. Grape harvest was nearing completion in many locations. Range, Livestock: Condition of range, livestock continued to decrease on the Plains with the lack rainfall. Livestock got some relief from the 100+° heat. Stock tanks continued to get low in drier locations, ranchers were hauling water in some dry areas. Pastures in areas of North, Central state were still fairly green where precipitation occurred. Supplemental feeding continued in areas where pasture feeds were poor. Calf weaning, cow culling were active across the State. Horn flies remained a problem in many areas. The drop in temperature was a welcomed relief to poultry producers

UTAH: Days suitable for fieldwork 6.7. Topsoil 22% very short, 42% short, 36% adequate, 0% surplus. Subsoil 25% very short, 41% short, 34% adequate, 0% surplus. Alfalfa Hay 2nd cutting 96%, 99% 2002, 97% avg.; 3rd cutting 25%, 36% 2002, 29% avg. Barley harvested (grain) 77%, 70% 2002, 74% avg. Cattle/Calves Condition very poor 0%, poor 4%, fair 23%, good 59%, 14% excellent. Corn silked (tasseled) 92%, 88% 2002,

85% avg.; 28% dough, 28% 2002, 19% avg.; 0% very poor, 3% poor, 23% fair, 66% good, 8% excellent Corn Height height 87%, 84% 2002, 81% avg. Irrigation Water Supplies 43% very short, 38% short, 19% adequate, 0% surplus Oats 100% headed, 100% 2002, 98% avg.; Oats harvested (grain) 57%, 47% 2002, 44% avg.; Harvested for Hay or Silage harvested 95%, 94% 2002, 91% avg. Other Hay cut 96%, 100% 2002, 95% avg. Peaches picked 22%, 24% 2002, 24% avg. Sheep Condition 0% very poor, 4% poor, 23% fair, 64% good, 9% excellent. Spring Wheat 85% harvested, 62% 2002, 67% avg. Stock Water Supplies 16% very short, 45% short, 39% adequate, 0% surplus. Tart Cherries picked 91%, 100% 2002, 98% avg. Winter Wheat 87% harvested, 79% 2002, 79% avg. Some counties received much needed rain. Activities: Irrigating field crops, cutting hay, tending livestock, harvesting grains, picking fruit. Mites have been causing problems for some crops, especially those stressed due to the drought. Although some areas received rain, the state continues to battle the hot, dry weather. Second crop hay was rained on in those counties that received rain. Recent rains have improved rangeland conditions in some areas of the state. Livestock are still in mostly good condition.

VIRGINIA: Days suitable for fieldwork 4.3. Topsoil 1% short, 67% adequate, 32% surplus. Subsoil 3% short, 72% adequate, 25% Surplus. Pasture 3% poor, 13% fair, 58% good, 26% excellent. Livestock 2% poor, 10% fair, 69% good, 19% excellent. Other Hay 1% very poor, 8% poor, 28% fair, 52% good, 11% excellent. Alfalfa Hay 2% very poor, 9% poor, 24% fair, 56% good, 9% excellent. Corn for Grain 14% very poor, 5% poor, 21% fair, 36% good, 24% excellent; 92% silked, 100% 2002, 96% 5-yr avg.; 66% dough, 82% 2002, 66% 5-yr avg.; 35% dent, 64% 2002, 42% 5-yr avg.; 1% mature, 34% 2002, 20% 5-yr avg.; Silage 8% harvested, 13% 2002, 9% 5-yr avg. Soybeans 1% very poor, 8% poor, 21% fair, 53% good, 17% excellent; 70% blooming, 85% 2002, 73% 5-yr avg.; 41% setting pods, 55% 2002, 46% 5-yr avg. Flue Tobacco 17% very poor, 21% poor, 29% fair, 28% good, 5% excellent; 21% harvested, 17% 2002, 23% 5-yr avg. Burley Tobacco 7% very poor, 19% poor, 35% fair, 34% good, 5% excellent; 2% harvested, 5% 2002, 6% 5-yr avg. Dark Fire Tobacco 4% very poor, 15% poor, 34% fair, 36% good, 11% excellent; 15% harvested, 19% 2002, 26% 5-yr avg. Sun Tobacco 61% fair, 39% good; 5% harvested, 9% 2002, 15% 5-yr avg. Peanuts 6% poor, 20% fair, 54% good, 20% excellent; 85% pegged, 99% 2002, 99% 5-yr avg. Cotton 7% poor, 30% fair, 40% good, 23% excellent; 100% squaring, 100% 2002, 100% 5-yr avg.; 85% setting bolls, 100% 2002, 98% 5-yr avg. Summer Potatoes 100% harvested, 100% 2002, 98% 5-yr avg. Apples 2% very poor, 25% poor, 37% fair, 36% good. Summer Apples 86% harvested, 89% 2002, 85% 5-yr avg. Peaches 83% harvested, 79% 2002, 70% 5-yr avg. Grapes 6% poor, 33% fair, 61% good. Virginia experienced another week of scattered showers, normal temperatures causing a slight improvement in crop conditions. Pastures, livestock remained in good condition. Several hay fields are ready for the second cutting. The corn, soybean crops continue to show improvement with minimum signs of disease. Vegetables have been negatively affected by the recent amounts of rainfall. Melons have shown signs of water damage, by rotting faster than the normal rate. Tomatoes, peppers, squash, sweet corn continue to be harvested. Activities: Harvesting tobacco, treating fields with herbicides, getting cattle prepared for sale, building fences, harvesting timber, planning for fall, winter

WASHINGTON: Days suitable for fieldwork 6.8. Topsoil 43% very short, 32% short, 25% adequate. Subsoil 17% very short, 31% short, 52% adequate. Irrigation water supplies 5% very short, 8% short, 87% adequate. The highest temperature in the state was 104° in Omak and Colville. The lowest temperature in the state was 41° in Deer Park. Winter wheat 84% harvested. Spring wheat 73% harvested, 7% very poor, 24% poor, 39% fair, 29% good, 1% excellent. Barley 69% harvested, 7% very poor, 24% poor, 50% fair, 18% good, 1% excellent. A week of relatively uninterrupted harvest activity helped get the majority of the 2003 wheat, barley crop in the bin. Combines continued to roll across the hills to the Palouse, as stubble became more prevalent than standing grain. Yield reports on spring grain remain low, but were not as disappointing as anticipated with the hot, dry conditions. Dry bean harvest began while the third cutting of alfalfa was well underway. Turfgrass growers in Thurston County continued cultivating very dry, dusty fields in preparation for seeding. Potatoes 28% harvested, 15% fair, 75% good, 10% excellent. Corn for silage 6% harvested, 9% fair, 91% good. Dry peas 81% harvested. Dry edible beans 11% harvested, 1% poor, 7% fair, 63% good, 29% excellent. Alfalfa 3rd cutting 72% complete. Hay, other roughage supplies 3% very short, 5% short, 87%

adequate, 5% surplus. Range, pasture feeds 6% very poor, 18% poor, 57% fair, 19% good. Around Whatcom County, producers on irrigated fields were into their sixth cutting of grass silage, while non-irrigated fields were dry, not very productive. In Grays Harbor County, spring bulb growers continued sorting bulbs, preparing fields for planting. Cranberry bogs continued to be irrigated in Pacific County. Excellent crop conditions were reported by Kitsap County fruit, vegetable growers. Blueberry, carrot, seed carrot, seed onion, spinach seed, sweet corn harvest continued. Raspberry harvest finished with yields below last year. Bartlett pear harvest began around Douglas, Chelan Counties. Apple harvest has also begun for the earlier varieties

WEST VIRGINIA: Days suitable for field work 3.5. Topsoil 76% adequate, 24% surplus, 15% very short, 55% short, 30% adequate 2002. Corn 6% poor, 19% fair, 64% good, 11% excellent; 72% silked, 95% in 2002, 84% 5-yr. avg.; 28% doughing. 41% in 2002, 35% 5-yr avg.; 1% dented, 16% 2002. Soybeans 1% poor, 25% fair, 63% good, 11% excellent; 60% blooming, 95% 2002, 77% 5-yr avg.; 39% setting pods, 68% 2002, 41% 5-yr. avg. Oats 45% harvested; 96% 2002, 82% 5-yr avg. Tobacco 1% very poor, 32% poor, 36% fair, 31% good; 18% topped; 60% 2002, 44% 5-yr. avg. Hay 2% poor, 22% fair, 68% good, 8% excellent: 2nd cutting 23%, 81% 2002, 60% 5-yr avg. Apples 10% fair, 80% good, 10% excellent. Peaches 27% fair, 60% good, 13% excellent; 32% harvested. Cattle, calves 13% fair, 72% good, 15% excellent. Sheep, Lambs 9% fair, 81% good, 10% excellent.

WISCONSIN: Days suitable for fieldwork 6.8. Soil moisture conditions declined drastically. Statewide conditions 37% very short, 42% short, 20% adequate, 1% surplus. Continued lack of rain is really becoming an issue for state agriculture. The week brought little to no rain, adding to existing dry conditions. Temperatures were 2-5° above normal for the week. The hot, dry conditions stressed crops. Pastures feed 24% very poor, 34% poor, 29% fair, 12% good, 1% excellent. Many areas are now supplementing pasture with already reduced hay supplies. The continued dry conditions are coinciding with crucial corn, soybean crop development.

WYOMING: Days suitable for field work 6.7. Topsoil 32% very short, 51% short, 17% adequate. Barley 93% mature, 76% 2002, 82% 5-yr avg.; 67% harvested, 58% 2002, 56% 5-yr avg. Oats 77% mature, 57% 2002, 64% 5-yr avg.; 33% harvested, 38% 2002, 40% 5-yr avg. Oats 5% poor, 35% fair, 56% good, 4% excellent. Spring wheat 76% mature, 76% 2002, 76% 5-yr avg.; 43% harvested, 42% 2002, 48% 5-yr avg.; 2% poor, 53% fair, 42% good, 3% excellent. Sugarbeets 3% poor, 15% fair, 69% good, 13% excellent. Corn 91% silked, 83% 2002, 90% 5-yr avg.; 67% in milk, 57% 2002, 65% 5-yr avg.; 28% in dough, 23% 2002, 27% 5-yr avg.; 1% poor, 25% fair, 60% good, 14% excellent. Dry beans 92% setting pod, 71% 2002, 82% 5-yr avg. Dry beans 26% leaves turning color, 29% 2002, 25% 5-yr avg.; 3% poor, 18% fair, 64% good, 15% excellent. Alfalfa 2nd cutting harvested, 68%, 58% 2002, 59% 5-yr avg. Other hay 93% harvested, 82% 2002, 84% 5-yr avg. Range, pasture feed 9% very poor, 20% poor, 52% fair, 18% good, 1% excellent. Livestock condition 1% poor, 34% fair, 62% good, 3% excellent. Irrigation water supplies 22% very short, 43% short, 35% adequate. Temperatures remained well above normal with a number of stations reaching the 100° mark. The highest temperature of 105° was reported in Greybull. Precipitation was below normal at almost all stations with most reporting a trace to none. The most moisture fell in Evanston with 0.48 inch and Lander with 0.12 inch..