

Weekly Weather and Crop Bulletin State Stories

Released August 10, 2004 by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Weekly Weather and Crop Bulletin State Stories" call Brian T. Young at (202) 720-7621, office hours 8:00 a.m. to 5:00 p.m. ET.

ALABAMA: Days suitable for fieldwork was 6.6. Topsoil 19% very short, 44% short, 37% adequate, 0% surplus. Corn dough 96%, 95% 2003, 88% avg.; 80% dented, 80% 2003, 70% avg.; 45% mature, 41% 2003, 41% avg.; condition 0% very poor, 6% poor, 13% fair, 54% good, 27% excellent. Soybeans 80% blooming, 62% 2003, 64% avg.; 55% setting pods, 33% 2003, 36% avg.; condition 0% very poor, 4% poor, 14% fair, 69% good, 13% excellent. Pasture feed 1% very poor, 7% poor, 26% fair, 49% good, 17% excellent. Livestock condition 0% very poor, 3% poor, 22% fair, 49% good, 26% excellent. Soybeans, cotton need timely rains to complete maturity. Corn harvest has begun.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 60% short, 40% adequate. Subsoil 50% short, 50% adequate. Conditions remain warm, dry in most of the growing areas. Temperatures were 3 to 7° above normal last week. Most areas could use some rain. Barley 20% turning color, 70% ripe, 10% harvested, condition 20% fair, 50% good, 30% excellent. Oat 15% dough, 60% turning color, 25% ripe, condition 50% fair, 50% good. Potatoes 80% in bloom, condition 15% fair, 45% good, 40% excellent; Crop growth 70% slow, 25% moderate, 5% rapid. Hay 2nd cutting 5% harvested, condition 30% poor, 30% fair, 30% good, 10% excellent. Pasture, range feed 20% poor, 40% fair, 35% good, 5% excellent. Activities Include: Irrigation, weed control, equipment repair, harvesting vegetables, hay and barley.

ARIZONA: Temperatures for the State were generally above normal for the first week of August. Alfalfa condition remains mostly good. Cotton setting bolls is nearly complete, while opening bolls have just started on eleven percent of the acreage. Precipitation was reported at 12 of the 17 reporting stations. Precipitation ranged from 0.01 inches in Phoenix to 1.25 inches in Douglas.

ARKANSAS: Days suitable for fieldwork 6. Soil 2% very short, 37% short, 59% adequate, 2% surplus. Corn 94% doughed, 97% 2003, 76% 5- yr avg.; 82% dented, 80% 2003, 57% 5- yr avg.; 44% matured, 19% 2003, 8% 5- yr avg.; 3% harvested, 0% very poor, 1% poor, 21% fair, 56% good, 22% excellent. Soybeans 92% bloomed, 81% 2003, 83% 5- yr avg.; 81% setting pods, 58% 2003, 56% 5- yr avg.; 12% yellowing, N/A% 2003, N/A% 5- yr avg.; condition 3% very poor, 5% poor, 24% fair, 46% good, 22% excellent. Sorghum 97% headed, 97% 2003, 96% 5- yr avg.; 77% colored, 74% 2003, 67% 5- yr avg.; 26% matured, N/A% 2003, N/A% 5- yr avg.; condition 0% very poor, 2% poor, 32% fair, 52% good, 14% excellent. Cotton 100% bolls set, 96% 2003, 99% 5- yr avg.; 1% open bolls, 1% 2003, 3% 5- yr avg.; condition 0% very poor, 5% poor, 27% fair, 45% good, 23% excellent. Rice 75% headed, 77% 2003, 73% 5- yr avg.; condition 1% very poor, 2% poor, 23% fair, 50% good, 24% excellent. Hay-Other condition 1% very poor, 4% poor, 27% fair, 56% good, 12% excellent. Hay-Alfalfa condition 0% very poor, 4% poor, 32% fair, 62% good, 2% excellent. Pasture, Range feed 0% very poor, 5% poor, 26% fair, 59% good, 10% excellent. Scattered showers were seen across the state, record lows were recorded at several reporting stations. CROPS: Corn producers are beginning harvest on an overall good corn crop. Producers are observing an increase in worms, insects in soybeans. Sorghum is drying down, reporters expect harvest to begin in the next two weeks. Cotton is being irrigated, as well as, being sprayed for spider mites, plant bugs. Rice fields are receiving fungicides, a few are

beginning to be drained in preparation for harvest. Livestock are in good condition. Army worms are being treated in some hay fields, pastures.

CALIFORNIA: Harvesting of wheat, oats, barley, and rye for grain was completed in most areas of the State. Harvested small grain fields were being fertilized, tilled to prepare for planting. Wheat straw continued to be baled in many areas. Good boll sets were noted as cotton continued to mature. Irrigation, insecticide treatments were ongoing where necessary. Rice plantings showed good progress, fields were quickly heading out. Many fields were treated with herbicides. Rapid growth was noted in corn plantings. Harvesting of corn for grain, silage continued in many fields. Blooms were noted in some alfalfa seed fields. Seed sets were developing in the majority of fields. Alfalfa hay was cut, windrowed, baled, stacked. Hay quality was reported as good to excellent. Sugar beet harvesting continued, with good yields reported. Vineseed harvesting was ongoing in a number of fields. Sunflower, safflower, potato, sweet potato harvesting continued. Raisin grape harvesting began in the San Joaquin Valley. Cultivating, terracing were underway in many other vineyards as growers prepared for harvest. Harvesting of wine grapes continued at an increased pace. Harvested grapes were loaded onto trucks, shipped to wineries for processing. Picking, packing of table grapes also continued. Varieties harvested included Flame Seedless, Exotic. Vineyards were irrigated, cultivated, treated with fungicides. Steady fruit development continued in persimmon, pomegranate orchards. Stone fruit orchards were still producing a steady supply of fruit. O'Henry and Prima 23 peaches, Friar, Rosemary plums, Arctic Blaze, Arctic Pride nectarines, Flavor Grenade, Dinosaur Egg pluots were among the varieties picked, packed. Harvesting of Gala apples continued. The kiwifruit crop was reported to be generally normal, but with small sizes. The second fig harvest was underway in Merced County. The Valencia orange harvest continued at a slow pace. Steady fruit development continued in citrus orchards. Olive orchards were sprayed for olive fruit fly, scale insects. Harvesting of lemons, grapefruit continued. The pace of almond harvesting increased. Harvested nuts were windrowed, picked up, hauled to processors. Irrigation, herbicide applications, weed mowing continued in some orchards in preparation for harvest. Walnut, pecan, and pistachio orchards showed steady nut development. Irrigation and a few pest control treatments were underway as needed. Walnuts were treated for codling moth, walnut husk fly. Summer vegetable fields continued to be irrigated, treated to control insect pests as needed. Worm sprays were applied to melon, fresh market tomato fields. Tomato fields were also being sprayed for mold, flea beetles in some areas. Harvesting of both fresh market, processing tomatoes continued. Transplanting of fall broccoli continued. Eggplant, melons, bell peppers, hot peppers, squash, sweet corn, cucumbers were being picked, hauled in many parts of the San Joaquin Valley. Onion, garlic continued to be harvested in Fresno County. Carrot harvesting continued in Kern County, but at a decreased pace. The following vegetables were also harvested: bittermelon, lemon grass, long beans, opo, saluyot, sinqua, sugar cane, taro leaf, various herbs. Non-irrigated mountain summer pastures were being stressed due to hot weather. Cattle were in good condition. Feeder cattle shipment dates were expected to be moved up if the warm conditions persist. Cattle remaining on dry foothill pastures were receiving supplemental feed. Early fall calving had begun in a few areas. Hot weather continued to have an adverse affect on milk production. Dairies were using fans, misters to reduce stress on milk cows. Sheep were grazing on harvested grain

stubble. Beehives were still in some seed alfalfa, safflower, melon, and vegetable fields.

COLORADO: Days suitable for fieldwork 6.0. Top soil 8% very short, 31% short, 58% adequate, 3% surplus. Subsoil 20% very short, 43% short, 35% adequate, 2% surplus. Most areas of the state experienced above normal temperatures, measurable rainfall last week. These weather patterns advanced the progress of crops, improved their condition ratings. Spring wheat 35% harvested, 28% 2003, 33% avg.; condition 8% poor, 34% fair, 51% good, 7% excellent. Spring barley 99% turning color, 99% 2003, 94% avg.; 25% harvested, 27% 2003, 33% avg.; condition 2% poor, 29% fair, 56% good, 13% excellent. Sunflower condition 1% very poor, 4% poor, 21% fair, 59% good 15% excellent. Alfalfa hay 2nd cutting 76% , 69% 2003, 69% avg.; 3rd cutting 6%, 8% 2003, 5% avg.; condition 1% very poor, 6% poor, 32% fair, 47% good, 14% excellent. Dry beans 57% flowering, 79% 2003, 75% avg.; condition 4% poor, 25% fair, 55% good, 16% excellent. Dry onions 7% harvested, 9% 2003, 8% avg.; condition 1% very poor, 3% poor, 17% fair, 71% good, 8% excellent. Summer potatoes 10% harvested, 9% 2003, 7% avg.; condition 4% poor, 18% fair, 62% good, 16% excellent. Fall potatoes condition 8% poor, 31% fair, 42% good, 19% excellent. Sugar beets condition 27% fair, 60% good, 13% excellent.

DELAWARE: Days suitable for fieldwork 5.5. Topsoil 5% very short, 20% short, 62% adequate, 13% surplus. Subsoil 25% very short, 18% short, 52% adequate, 5% surplus. Field corn condition 15% very poor, 15% poor, 23% fair, 26% good, 21% excellent; 82% corn dough, 36% 2003, 46% avg.; 26% dent, 4% 2003, 15% avg.; 10% mature, 0% 2003, 5% avg. Soybean condition 4% very poor, 6% poor, 27% fair, 51% good, 12% excellent; 72% blooming, 19% 2003, 46% avg.; 25% setting pods, 6% 2003, 24% avg. Sorghum condition 22% fair, 58% good, 20% excellent; 85% headed, 27% 2003, 33% avg.; 9% coloring, 0% 2003, 4% avg. Pasture feed 10% poor, 20% fair, 65% good, 5% excellent. Other Hay 3rd cutting 39%, 15% 2003, 47% avg. Alfalfa Hay 3rd cutting 66%, 25% 2003, 56% avg. Apple condition 19% fair, 65% good, 16% excellent; 11% harvested, 6% 2003, 13% avg. Peaches 86% harvested, 44% 2003, 50% avg. Watermelons 64% harvested, 21% 2003, 35% avg. Cucumbers 62% harvested, 41% 2003, 49% avg. Lima Beans for processing 47% harvested, 5% 2003, 12% avg. Snap beans 88% harvested, 50% 2003, 60% avg. Sweet Corn 54% harvested, 43% 2003, 50% avg. Potatoes 40% harvested, 26% 2003, 42% avg. Tomatoes 42% harvested, 14% 2003, 31% avg. Cantaloups 51% harvested, 29% 2003, 38% avg. Corn silage 6% harvested, 0% 2003, 6% avg. Hay supplies 37% short, 48% adequate, 15% surplus. Cooler temperatures were in the air in the state last week with average air temperatures in the 60's. The break from the wet weather allowed farmers to resume hay harvest. Other hay 39% harvested, compared to 12% the previous week. Alfalfa hay 66% harvested compared to 25% the previous year. Corn 82% dough, 26% dent, 10% mature. Corn, soybeans are in mostly fair to excellent condition.

FLORIDA: Topsoil 1% very short, 10% short, 74% adequate, 15% surplus. Subsoil 9% short, 75% adequate, 16% surplus. Soil moisture supplies short to adequate, Panhandle, Northern Peninsula; adequate to surplus, Temperature average: 1 to 3^o above normal, major cities; West Palm Beach 1^o. below normal; Miami, Tampa 2^o below normal. Highs: 80s, 90s. Lows: 60s, 70s. Rainfall: less than 0.05 in. Live Oak, to more than 10 in. Tampa. Southern Peninsula. Peanut condition 15% fair, 50% good, 35% excellent. Some peanuts showing distress, Jackson County. Tobacco harvesting active, Taylor County. Corn showing moisture stress, Leon County. Cotton in good condition. Growers allowed to spray pesticides. Madison County reported several cases of leaf spot in soybeans. Field preparations for fall crop planting remains active. Okra harvesting continues, Dade County. Welcome rainfall for second week with moderate temperatures, heavy rainfall some citrus areas, widely scattered in others, trees, new crop fruit reported good condition. Pasture feed 15% fair, 75% good, 10% excellent. Cattle condition 10% fair, 75% good, 15% excellent. Pasture feed all areas fair to excellent, with most pasture in good condition. Good soil moisture, growing temperatures promoting grass growth. Central: some damage of pasture from armyworms. Statewide: cattle condition mostly good

GEORGIA: Days suitable for field work 6.3. Soil 17% very short, 43% short, 38% adequate, 2% surplus. Corn 69% mature, 58% 2003, 69%

avg.; 10% harvested for grain, 7% 2003, 17% avg. Hay 3% very poor, 11% poor, 39% fair, 42% good, 5% excellent. Sorghum 1% very poor, 12% poor, 37% fair, 47% good, 3% excellent; 5% harvested for grain, 4% 2003, 1% avg. Tobacco 67% harvested, 59% 2003, 59% avg. Watermelons 98% harvested, 99% 2003, 97% avg. Apples 4% poor, 19% fair, 63% good, 14% excellent; 9% harvested, 13% 2003, 10% avg. Peaches 97% harvested, 97% 2003, 98% avg. Pecans 10% very poor, 21% poor, 36% fair, 31% good, 2% excellent. Isolated thunderstorms occurred across the State late in the week. The rain brought temporary relief to some fields, pastures. Pond, creek levels continued to drop due to increased irrigation. Farmers irrigated where possible. The tobacco harvest continue. Growers were active in harvesting corn, cutting silage. Hay, pasture feed continued to decline due to the lake of moisture. Armyworms were reported in some pastures, hay fields. Cattlemen continued feeding hay, selling cattle. Activities Included: Weed control and applying fertilizer.

HAWAII: The remnants of Tropical Depression Darby brought isolated thunder storms, moderate-to-heavy showers to portions of the State during the past week. Isolated, heavy showers, localized flooding were reported in Kona, one section of windward Oahu. Banana, papaya orchards were in mostly fair-to-good condition. Active spraying was necessary for disease, insect control. Vegetable crops made generally good progress with fair-to-good yields.

IDAHO: Days Suitable for Fieldwork 6.7. Topsoil 15% very short, 40% short, 45% adequate. Temperatures varied throughout the state during the past week, with the northern, south-central, eastern parts of the state seeing below average temperatures, the southwestern area seeing slightly above average temperatures. Plum, prune harvest has begun in the southwestern part of the state. Winter wheat condition 3% poor, 8% fair, 70% good, 19% excellent. Spring wheat turning color 89%, 93% 2003, 89% avg. Barley turning color 93%, 93% 2003, 87% avg. Oats harvested for grain 17%, 14% 2003, 11% avg. Potato condition 1% poor, 8% fair, 74% good, 17% excellent. Lentils harvested 32%, 22% 2003, 12% avg. Mint harvested—1st cutting 60%, 67% 2003, 47% avg. Peaches 20% harvested, 19% 2003, 21% avg. Plums, Prunes 3% harvested, 11% 2003, 3% avg. Dry peas 41% harvested, 23% 2003, 32% avg. Alfalfa hay 2nd cutting harvested 70%, 77% 2003, 79% avg.; 3rd cutting harvested 20%, 21% 2003, 19% avg. Irrigation water supply 6% very poor, 29% poor, 38% fair, 27% good. Activities Included: Feeding, caring for livestock, spraying fungicides, cutting alfalfa hay, harvesting small grains, peas, and lentils.

ILLINOIS: Days suitable for fieldwork 6.0. Topsoil 2% very short, 18% short, 78% adequate, 2% surplus. Corn 0% mature, 1% 2003, 1% avg.; Soybeans 1% turning yellow, 0% 2003, 0% avg. Oats 95% harvested, 87% 2003, 94% avg. Alfalfa 2nd cut 97%, 99% 2003, 98% avg.; 3rd cut 44%, 38% 2003, 42% avg. Below normal temperatures last week, along with near normal precipitation, made for ideal fieldwork conditions. The dryer weather was welcome last week for finishing up baling of hay, harvesting of oats. However, soybeans are in need of rain for setting, filling pods. The cooler weather is credited for allowing corn crops to mature faster. Activities: Observed last week include mowing ditches, waterways, preparing harvest equipment, storage structures, taking vacations and attending local fairs.

INDIANA: Days suitable for fieldwork 5.6. Topsoil 1% very short, 13% short, 81% adequate, 5% surplus. Subsoil 1% very short, 14% short, 82% adequate, 3% surplus. Cool weather prevailed around the state again last week. Isolated areas received rain, scattered thunderstorms. Light rain or none in most southern regions. Major crops continue to grow, develop ahead of average. Harvesting of corn for silage underway. Some farmers were spraying for weeds, insects. Blue mold evident in some tobacco fields. Baling hay, preparing equipment for fall harvest were major activities. Temperatures averaged 2^o to 7^o below normal for the week. Precipitation averaged 0.00 to 2.23 inches. Irrigation systems were active. Soybean fields improving, need some warmer weather, rain. SDS in some soybean fields. Alfalfa hay 3rd cutting complete 24%, 10% 2003, 36% avg. Pastures 6% poor, 19% fair, 61% good, 14% excellent. Livestock are in mostly good condition, cooler temperatures have helped. Activities: Repairing equipment, storage bins, harvesting mint, potatoes, hauling grain to market, scouting fields, taking vacations, mowing pastures, roadsides, hauling manure and taking care of livestock.

IOWA: Days suitable for fieldwork 4.6. Topsoil 1% very short, 8% short, 79% adequate, 12% surplus. Subsoil 1% very short, 9% short, 79% adequate, and 11 percent surplus. Early in the week, State experienced storms with strong winds that flattened corn, soybeans in several areas. Field activities included harvesting hay, oats, baling straw. There were isolated reports of aphids in soybeans. Many reports cited the need for more heat units for corn, soybeans. Corn 97% acreage silked, 93% 2003, 96% 5-yr avg.; 66% in the milk stage, 55% 2003, 69% 5-yr avg.; 21% dough stage, condition 1% very poor, 5% poor, 16% fair, 48% good, 30% excellent. Soybean acreage 85% setting pods, 67% 2003, 78% 5-yr avg.; condition 1% very poor, 4% poor, 17% fair, 51% good, 27% excellent. Oat acreage 97% harvested for grain, 95% 2003, 96% 5-yr avg. Alfalfa 3rd cutting complete 20%, condition 5% poor, 19% fair, 50% good, 26% excellent. Livestock, Pasture, Range Report: Overall, livestock conditions were good, pastures continue to look better than normal for this time of year. Pasture, range feed 1% very poor, 5% poor, 19% fair, 46% good, 29% excellent.

KANSAS: Days suitable for fieldwork 6.2. Topsoil 24% short, 73% adequate, 3% surplus. Subsoil 9% very short, 31% short, 59% adequate, 1% surplus. Sunflowers 50% blooming, 54% 2003, 68% avg. Alfalfa 3rd cutting 77%, 66% 2003, 75% avg.; 4th cutting 7%, 6% 2003, 9% avg. Range, pasture feeds 5% very poor, 14% poor, 34% fair, 39% good, 8% excellent. Feed grain supplies 4% very short, 11% short, 81% adequate, 4% surplus. Hay, forage supplies 2% very short, 9% short, 76% adequate, 13% surplus. Stock water supplies 1% very short, 15% short, 82% adequate, 2% surplus.

KENTUCKY: Days suitable fieldwork 4.6%. Topsoil 3% very short, 8% short, 69% adequate, 20% surplus. Subsoil 1% very short, 10% short, 71% adequate, 18% surplus. The state has had a month's worth of below normal temps, above normal rainfall. Burley tobacco blooming 70%, 63% 2003, 78% avg.; topped 52%, 41% 2003, 58% avg. Dark tobacco topped 77%. Blue mold pressure heavier in the Northern, Bluegrass regions. Most reporters stress that all fields are affected to some degree; the impact varies field to field. Black shank concerns have eased. Only a few reports mentioned insect problems. Some early tobacco is being cut and housed. Condition of set tobacco 3% very poor, 10% poor, 21% fair, 47% good, 19% excellent. Hay condition 1% very poor, 6% poor, 21% fair, 54% good, 18% excellent. Pasture feeds 1% very poor, 4% poor, 16% fair, 55% good, 24% excellent

LOUISIANA: Days suitable for fieldwork 6.3. Soil 4% very short, 47% short, 46% adequate, 3% surplus. Corn 8% poor, 33% fair, 50% good, 9% excellent; 90% mature, 80% last week, 80% 2003, 91% avg.; 18% harvested, 6% last week, 11% 2003, 25% avg. Hay 2nd cutting 71%, 52% last week, 73% 2003, 67% avg. Peaches 96% harvested, 91% last week, 98% 2003, 97% avg. Rice 57% ripe, 41% last week, 63% 2003, 65% avg. Sorghum 46% ripe, 15% last week, 48% 2003, 50% avg; 4% harvested, 0% last week, 9% 2003, 7% avg. Soybeans 17% turning color, 7% last week, 11% 2003, 10% avg.; 7% dropping leaves, 0% last week, 0% 2003, 0% avg. Sugarcane 9% poor, 22% fair, 31% good, 38% excellent; 6% planted, 0% last week, 4% 2003, 4% avg. Livestock 3% poor, 26% fair, 58% good, 13% excellent. Vegetable 7% very poor, 25% poor, 45% fair, 23% good.

MARYLAND: Days suitable for fieldwork 4.6. Topsoil 74% adequate, 26% surplus. Subsoil 78% adequate, 22% surplus. Field corn condition 22% fair, 43% good, 35% excellent; 71% corn dough, 22% 2003, 46% avg.; 20% corn dent, 3% 2003, 13% avg. Soybean condition 18% fair, 60% good, 22% excellent; 68% blooming, 29% 2003, 52% avg.; 45% setting pods, 3% 2003, 32% avg. Sorghum condition 100% good; 75% headed, 27% 2003, 46% avg. Pasture feed 4% poor, 15% fair, 51% good, 30% excellent. Tobacco condition 5% poor, 20% fair, 50% good, 25% excellent. Tobacco 80% bloomed, 29% 2003, 63% avg.; 55% topped, 10% 2003, 34% avg.; 20% harvested, 0% 2003, 8% avg. Other hay 3rd cutting 25%, 3% 2003, 30% avg. Alfalfa hay 3rd cutting 70%, 27% 2003, 59% avg.; 4th cutting 2%, 0% 2003, 10% avg. Apple condition 60% good, 40% excellent; 18% harvested, 6% 2003, 9% avg. Peaches 35% harvested, 32% 2003, 43% avg. Watermelons 55% harvested, 25% 2003, 33% avg. Cucumbers 60% harvested, 37% 2003, 58% avg.; Lima Beans for processing 55% harvested, 14% 2003, 25% avg. Snap beans 80% harvested, 51% 2003, 58% avg. Sweet corn 95%

harvested, 51% 2003, 56% avg. Potatoes 45% harvested, 39% 2003, 68% avg. Tomatoes 66% harvested, 34% 2003, 41% avg. Cantaloups 70% harvested, 35% 2003, 51% avg. Hay supplies 2% very short, 16% short, 78% adequate, 4% surplus. Dry weather relieved state's farmers this week as they were able to get into the fields after weeks of rainy days. Cooler air temperatures also covered the state with average temperatures in the mid-60's. Corn is in mostly good to excellent condition with only 22% reported as fair. Soybeans 18% fair, 60% good, 22% excellent. The dry weather allowed hay to dry, be harvested. Fruits and vegetables are in the midst of harvest with many over 50% complete.

MICHIGAN: Days suitable for fieldwork 6. Subsoil 4% very short, 26% short, 66% adequate, 4% surplus. Corn height 64 inches. Barley 1% very poor, 12% poor, 35% fair, 44% good, 8% excellent. Oats 3% very poor, 14% poor, 28% fair, 46% good, 9% excellent; 91% turning, 97% 2003, 98% avg. All hay 1% very poor, 10% poor, 37% fair, 38% good, 14% excellent. Hay 2nd cutting 70%, 79% 2003, 76% avg.; 3rd cutting 10%, 9% 2003, 10% avg. Dry beans 4% very poor, 12% poor, 36% fair, 37% good, 11% excellent; 80% blooming, 57% 2003, 73% avg.; 40% setting pods, 26% 2003, 41% avg. Blueberries 80% harvested, 44% 2003. Tart cherries 97% harvested, 90% 2003. Below normal temperatures, limited precipitation across State. Several districts reported being need of moisture. Moisture levels highly variable among districts, counties. Precipitation amounts ranged from 0.06 inches northwest Lower Peninsula to 0.97 inches southeast Lower Peninsula. Across State, temperatures below normal, with averages for week ranging from 3° below normal Upper Peninsula, three southern Lower Peninsula districts to 1 degree below normal three Lower Peninsula districts. Since April 1, only three southern Lower Peninsula districts have cumulative growing degree days at or above normal. Temperatures varied throughout week, beginning with much needed heat, ending on a cooler note. Precipitation scattered, amount received highly variable. In southeast, light precipitation slowed cutting of hay; however, second cutting near completion for most districts. Corn growth slowed due to lack of heat. In northeast, fields have just begun to tassel. The soybean crop continued to advance, with most fields setting pods. Wheat harvest neared completion. Dry weather conditions in some districts decreased moisture levels, advanced harvest. Reports of vomitoxin, other diseases widespread crop. The cooler temperatures slowed development of Cercospora leafspot sugarbeets. The crop showed signs of stress, wilting due to a lack of soil moisture. Fruit development typically 7 to 10 days ahead of normal throughout State. Summer apple varieties being harvested southwest. Codling moth egg hatch continued later than normal region. Apple scab infestation down thanks to a lack of precipitation. In southeast, early variety apples being harvested. Peach harvest continued southwest, size generally excellent. Southeast peach harvest continued. Tart cherry harvest complete west central. Leaf spot a major problem. Tart cherry harvest continued northwest. Leaf spot also problematic. Harvest of early variety blueberries winding down southeast, while late variety harvest underway. In southwest, Bluecrop harvest finished, Jerseys being harvested. Grape cluster numbers looked good northwest. Berry set variable due to cool weather during pollination. In southwest, berry moths prevalent grapes. Summer raspberry harvest finished southeast while fall harvest began well ahead of normal. Harvest of many vegetable crops progressed over week. Continued dry conditions in primary growing areas had vegetable farmers irrigating. Sweet corn harvest full swing across much of State. Picking began northeast. In southeast, harvest of earliest plantings nearly complete. European corn borer counts low in most vegetable growing areas. Potato harvest picked up southeast. Carrot harvest began west central, southeast. Heavy cercospora pressure reported west central. Celery harvest continued on schedule. Growers reported good quality, size, yields. Tomato harvest moved along. Fresh market plantings continued to ripen very slowly. Processing harvest slated to begin this week southeast. Bacterial diseases reported in several districts. Downy mildew becoming a widespread problem in onions. However, crop continued to size well southeast. Growers began treating first plantings of snap beans for white mold west central. Harvest of peppers, eggplant progressed southwest. Cucumber, zucchini, and squash harvest continued in several districts.

MINNESOTA: Days suitable for fieldwork 5.3. Topsoil 2% very short, 15% short, 79% adequate, 4% surplus. Spring Wheat 81% turning ripe, 98% 2003, 92% avg. Barley 89% turning ripe, 99% 2003, 93% avg. Oats 87% turning ripe, 98% 2003, 97% avg. Corn 25% milk, 64% 2003, 58% avg. Pasture feed 3% very poor, 6% poor, 32% fair, 53% good, 6% excellent. Sugarbeets 0% very poor, 2% poor, 28% fair, 57% good, 13%

excellent. Dry Beans 1% very poor, 5% poor, 34% fair, 54% good, 6% excellent. Canola 5% very poor, 11% poor, 63% fair, 18% good, 3% excellent. Potatoes 0% very poor, 2% poor, 20% fair, 66% good, 12% excellent. Sunflowers 0% very poor, 6% poor, 49% fair, 42% good, 3% excellent. Cool weather, scattered storms delayed crop progress, small grain harvesting this week. On August 3rd, heavy rains, hail, wind gusts ranging from 50 to 80 mph hit the southernmost counties of the state, flattening some small grain, corn fields. Producers statewide report that most of the corn crop is about two weeks behind schedule, many more growing degree days are needed for the crop to reach maturity before the first frost.

MISSISSIPPI: Days suitable for fieldwork 6.5. Soil 5% very short, 31% short, 64% adequate. Corn 98% dough, 99% 2003, 99% avg.; 88% dent, 86% 2003, 91% avg.; 49% mature, 33% 2003, 49% avg.; 5% harvested, 2% 2003, 6% avg.; 80% silage harvested, 79% 2003, 62% avg.; 1% very poor, 3% poor, 18% fair, 52% good, 26% excellent. Cotton 100% squaring, 100% 2003, 100% avg.; 95% setting bolls, 92% 2003, 98% avg.; 3% very poor, 7% poor, 25% fair, 50% good, 15% excellent. Rice 85% heading, 90% 2003, 80% avg.; 3% mature, 7% 2003, 5% avg.; 1% poor, 10% fair, 63% good, 26% excellent. Sorghum 100% heading, 99% 2003, 98% avg.; 88% turning color, 82% 2003, 74% avg.; 26% mature, 33% 2003, 24% avg.; 1% harvested, NA 2003, NA avg.; 1% poor, 15% fair, 62% good, 22% excellent. Soybeans 100% blooming, 99% 2003, 99% avg.; 97% setting pods, 93% 2003, 91% avg.; 38% turning color, 26% 2003, 20% avg.; 19% shedding leaves, 7% 2003, 8% avg.; 3% harvested, 1% 2003, 0% avg.; 5% poor, 16% fair, 52% good, 27% excellent. Hay 64% harvested (Warm Season), 77% 2003, 75% avg.; 7% very poor, 5% poor, 27% fair, 49% good, 12% excellent. Sweetpotatoes 1% very poor, 7% poor, 35% fair, 47% good, 10% excellent. Watermelons 98% harvested, 100% 2003, 100% avg. Cattle 7% poor, 15% fair, 61% good, 17% excellent. Pasture 5% very poor, 7% poor, 20% fair, 56% good, 12% excellent. Although the drier weather has allowed for good progress in the harvesting of hay, row crop producers are hoping for a few more good rain showers before the growing season comes to an end. Across the state, State farmers are starting to plan for the 2004 harvest season – irrigation is in full force where needed, harvest equipment is being prepared, several rice fields have already been drained in preparation.

MISSOURI: Days suitable for fieldwork 4.9. Topsoil 1% very short, 12% short, 83% adequate, 4% surplus. Moderate temperatures, generally adequate moisture supplies during the past week were favorable for continued growth, development of crops. The northeast district is the driest area, with 29% rated as short or very short of moisture, followed by the southwest, southeast districts at 22% in those ratings. Corn denting ranges from 12% in the south-central district, 17% in the northeast to 93% in the southeast. Soybean podding is most advanced in the northwest, north-central districts at 70%, least advanced in the southwest, south-central districts at 34%. Sorghum heading is a few days ahead of average but coloring is slightly behind average, as the maturing process has been slowed by cool weather. Alfalfa hay 2nd cutting 99%, 100% 2003, 100% avg.; 3rd cutting 53%, 58% 2003, 54% avg. Other hay cut 96%, 100% 2003, 98% avg. Pastures 1% very poor, 3% poor, 17% fair, 64% good, 15% excellent, a minor decline from a week earlier but still the highest for this date in many years. Rainfall averaged 1.03 inches, ranging by area from 0.07 inch in the southwest district to 1.99 inches in the northeast district, 2.78 inches north-central. Saline County reported the highest rainfall at 5.02 inches, followed by Macon, Scotland and Schuyler counties, all over 4 inches.

MONTANA: Days suitable for fieldwork 5.6. Topsoil 27% very short, 38% short, 32% adequate, 3% surplus, 2003 67% very short, 29% short, 4% adequate, no surplus. Subsoil 41% very short, 37% short, 22% adequate, no surplus, 2003 59% very short, 36% short, 5% adequate, no surplus. State experienced warm temperatures, as well as above normal precipitation in most areas, for the week ending August 8th, 2004. Winter wheat condition 5% very poor, 8% poor, 17% fair, 48% good, 22% excellent; progress 80% ripe, 38% harvested, 2003 96%, 76%, respectively. Spring wheat 73% turning, 13% ripe, 2% harvested, 2003 90%, 44%, 18%, respectively, condition 6% very poor, 11% poor, 32% fair, 40% good, 11% excellent. Durum wheat 90% boot stage, 82% headed, 32% turning color, 2% ripe, which are well behind 2003 100%, 100%, 81%, 27%, respectively, condition 5% very poor, 15% poor, 28% fair, 41% good, 11% excellent. Barley 83% turning, 31% ripe, 9%

harvested, compared to 90%, 50% and 20% 2003, respectively. condition 4% very poor, 8% poor, 33% fair, 45% good, 10% excellent. Oats 84% turning, 20% ripe, 6% harvested, 2003 92%, 57%, and 23%, respectively, condition 15% very poor, 14% poor, 31% fair, 34% good, 6% excellent. Sugar beets condition 13% very poor, 17% poor, 37% fair, 27% good, 6% excellent. Corn condition 15% very poor, 20% poor, 35% fair, 27% good, 3% excellent, which is behind the 5-yr avg of 0% very poor, 3% poor, 31% fair, 46% good, 20% excellent. Dry bean condition 1% very poor, 16% poor, 51% fair, 31% good, 1% excellent, compared to the 5-yr avg t 1% very poor, 6% poor, 33% fair, 51% good, 9% excellent. Potatoes declined slightly, with condition 0% very poor, 0% poor, 8% fair, 54% good, 38% excellent. Other hay 1st cuttings complete 96%, Alfalfa, other hay 2nd cuttings 28% and 18% complete, respectively. Range, pasture feed condition 26% very poor, 20% poor, 30% fair, 21% good, 3% excellent, compared to the 5-yr avg 18% very poor, 27% poor, 35% fair, 17% good, and 3% excellent.

NEBRASKA: Days suitable for fieldwork 6.3. Topsoil 16% very short, 32% short, 49% adequate, 3% surplus. Subsoil 31% very short, 31 short, 38 adequate, 0% surplus. Temperatures for the week averaged from 5th below normals to 2^o above normals. Precipitation was statewide with amounts ranging from traces to over one inch. Locally, heavier rains were reported at both ends of the state. Alfalfa condition 6% very poor, 17% poor, 25% fair, 38% good, 14% excellent; 3rd cutting 38%, 43% 2003, 37% avg. Activities Included: Finishing wheat, oat harvest, irrigating, and hay harvest

NEVADA: There was very light thunderstorm activity early in the week with Las Vegas recording .02 inch, Elko .01 inch. Temperatures moderated tp levels near normal. No major fires occurred. The second cutting of alfalfa was wrapping up, third cutting was increasing. First crop alfalfa was completed in Elko County. Lack of irrigation water in Lovelock was ending the growing season for some. Meadow hay harvest was nearing completion in the later maturing valleys. Wheat, barley harvests were completed in the Fallon area, was gaining momentum in Humboldt County. Grass seed harvest was nearly completed. Corn, canola continued to thrive under the warm weather conditions. Potato bloom was advancing. Weed, insect control was active. Range, pasture feed was drying. Ranchers continued to haul water to some ranges. Marketing of calves for Fall delivery continued. Activities: Haying, small grain harvest, cultivating, field spraying, irrigating, livestock marketing.

NEW ENGLAND: Days suitable for field work 5.7. Topsoil 1% very short, 9% short, 74% adequate, 16% surplus. Subsoil 2% very short, 10% short, 76% adequate, 12% surplus. Pasture feed 1% very poor, 7% poor, 22% fair, 53% good, 17% excellent. Maine potatoes: condition good/excellent. Rhode Island Potatoes: condition good/excellent. Massachusetts potatoes 10% harvested, 5% 2003, 10% avg.; condition good. Maine Oats: condition good/excellent. Maine Barley: condition good/excellent. Field Corn: condition good. Sweet corn 35% harvested, 25% 2003, 30% avg.; condition good/excellent. Shade tobacco 30% harvested, 25% 2003, 40% avg.; condition good. Broadleaf tobacco 15% harvested, 20% 2003, 35% avg.; condition good. Hay 1st harvested 90%, 95% 2003, 95% avg.; condition good; 2nd 55% harvested, 50% 2003, 60% avg.; condition good/excellent; 3rd 10% harvested, 5% 2003, 10% avg.; condition good/excellent. Apples: condition good/fair. Peaches 25% harvested, 35% 2003, 35% avg.; condition fair/good. Pears: condition good. Massachusetts Cranberries: set avg./above avg.; condition good/fair. Highbush Blueberries 70% harvested, 55% 2003, 50% avg.; condition good/fair. Maine Wild Blueberries 5% harvested, 10% 2003, 15% avg.; condition fair/poor. The week began hot, humid. Cooler, drier weather arrived by mid-week, creating for optimal growing, harvesting conditions. Activities Included: Mowing orchards; pruning trees; spreading manure; weeding; monitoring fields; applying pesticides; cutting, baling hay; harvesting highbush, wild blueberries, peaches, potatoes, other vegetables, broadleaf and shade tobacco.

NEW JERSEY: Days suitable for field work 6.0. Soil 100% adequate. Temperatures across the state were near normal the start of the week, dropped to below normal by mid-week. There were measurable amounts of rainfall for the week across most of the state. Fieldwork included baling hay, vegetable harvesting, picking fruit, planting vegetable fall crops, spraying herbicides. Aphid activity was reported in some soybean fields in the central district. Rains lowered hay quality, forage production

in many localities; there was a report of crabgrass coming into hay fields in the southern district due to hot, wet weather. Harvest of beets, carrots, cantaloupe, peppers, tomatoes, sweet corn, eggplant, red, green cabbage, Swiss chard, kale, arugula, spinach, collards, dill, mint, basil, parsley, cilantro, leeks, green onions, squash, zucchini continued. Disease problems were reported, including downy mildew, phytophthora blight. In some central localities, leaf diseases were reported on tomatoes, downy mildew on cucumbers, some splitting of cantaloupes due to weather conditions, phytophthora blight on pumpkins, peppers. There was a report of downy mildew in some pumpkin fields in the northern district. Potato harvest continued across the state, there was report of a few rot problems in some southern district fields. Sweet potato plants were vining well. Peach harvest continued, the crop was rated as mostly good. In the southern district there was a report of increased crabgrass in pastures.

NEW MEXICO: Days suitable for fieldwork 5.9. Topsoil 17% very short, 27% short, 52% adequate, 4% surplus. Temperatures for the week were generally near normal, with some of the locations receiving precipitation a little below normal. Sites in the extreme northeast corner the state received over an inch of precipitation for the week, mainly during the mid to late work week. Sites along the central, southwest mountains also received amounts generally between half, three-quarters of an inch, mainly during the first part of the week. Ruidoso received the most precipitation for the week with a total of 2.26 inches, a single day total of 2.1 inches on Wednesday, October 4. Farmers were busy irrigating, maintaining crops, harvesting wheat, oats, peaches, chile. General crop conditions were slightly affected by wind with 10% light, 11% moderate damage reported. Some hail damage occurred with 2% light, 2% moderate reported. Alfalfa was mostly fair to excellent with 91% of the 3rd cutting, 46% of the 4th complete, while the 5th cutting is just getting underway. Cotton conditions remained stable at 1% poor, 18% fair, 57% good, 24% excellent. Progress was 88% setting bolls. Corn conditions mostly good to excellent with 99 % of the crop silking, 71% doughing, and 35% dented. Sorghum conditions improved with the rains with reports indicating 2% poor, 51% fair, 46% good, 1% excellent. Total crop headed was at 31% and coloring is at 1%. Peanuts 32% fair, 43% good, 25% excellent 90% pegging. Pecans continue to be in fair to excellent condition. Pecan drop 98% avg.; 2% heavy. Chile conditions as 1% poor, 9% fair, 68% good, 22% excellent 19% of green chile reported harvested. Apple conditions were very poor to fair, were being harvested. Fall lettuce planting progress at 49% complete. Ranchers spent the week installing fences, pipelines, drinkers, maintaining herds. Cattle conditions 1% very poor, 6% poor, 26% fair, 53% good, 14% excellent. Sheep conditions 2% very poor, 10% poor, 52% fair, 32% good, 4% excellent. Reports indicated a slight improvement in range, pasture feeds 13% very poor, 25% poor, 35% fair, 20% good, and 7% excellent.

NEW YORK: Days suitable for fieldwork 3.8. Soil 1% short, 44% adequate, 55% surplus. Pasture feeds 1% poor, 24% fair, 61% good, 14% excellent. Continued wet weather, below average temperatures slowed fieldwork. Hay crops 24% poor, 37% fair, 31% good, 8% excellent. Alfalfa 2nd cutting complete 56%, 71% 2003. Corn continued to be in poor condition. Oats for grain 39% harvested, 44% 2003. Apples 23% poor, 22% fair, 43% good, 12% excellent. Grapes 30% poor, 25% fair, 40% good, 5% excellent. Pears 7% poor, 37% fair, 53% good, 3% excellent. Tart cherries 8% poor, 22% fair, 65% good, 5% excellent. Heavy rains increased the potential for apple, pear infection. Vegetable harvesting progressed despite long periods of rainfall. Sweet corn over 30% harvested, in good condition. Tomato conditions ranged from good to excellent, onion conditions varied from poor to excellent with 10% harvested. Cabbage in mostly good condition with 10% harvested. Snap beans were in good condition with 20% harvested. Muddy pastures, lanes stressed milk cows but the cool day time temperatures made them more comfortable.

NORTH CAROLINA: Days suitable for field work 5.0. Soil 1% very short, 7% short, 72% adequate, 20% surplus. Activities Included: Harvesting tobacco, peaches, apples, Irish potatoes, cutting hay, corn silage. The first hurricane of the season, Alex, brought rainfall to the eastern part of the State. Elizabeth City recorded the highest amount of precipitation at 4.4 inches. The northeastern counties received most of the wind, rain which caused some crop damage. The full impact will not be known until all counties can be evaluated. A cool front crossed the

state the latter part of the week causing temperatures to dip slightly below normal, offered a nice break in the heat and humidity.

NORTH DAKOTA: Days suitable for fieldwork 5.3. Topsoil 14% very short, 24% short, 55% adequate, 7% surplus. Subsoil 17% very short, 21% short, 56% adequate, 6% surplus. Another week of cool temperatures hampered late season crop progress. Growing degree days continued to lag behind normal in the state except the southwest area. Barley 84% turning or beyond, 94% 2003, 85% average. Durum wheat 38% turning or beyond, 50% 2003, 47% avg.; 2% harvested, 7% 2003, 4% average. Hard red spring wheat 68% turning or beyond, 83% 2003, 77% average. Oats 79% turning or beyond, 90% 2003, 83% average. Canola 61% turning or beyond, 84% 2003, 79% avg.; 12% swathed, 47% 2003, 37% avg.; none combined, 6% 2003, 4% average. Dry Edible Beans 48% podding or beyond, 71% 2003, 77% avg.; 1% fully podded, 17% 2003, 21% average. Flaxseed 37% turning or beyond, 67% 2003, 53% average. Potatoes 89% had rows filled or beyond, 93% 2003, 95% avg.; 6% vines killed, 6% 2003, 2% average. Sunflower 36% blooming or beyond, 65% 2003, 60% average. Emerged crop conditions ratings: Canola 2% very poor, 7% poor, 29% fair, 44% good, 18% excellent. Durum wheat 5% very poor, 6% poor, 29% fair, 50% good, 10% excellent. Dry edible beans 1% very poor, 5% poor, 32% fair, 50% good, 12% excellent. Flax 2% very poor, 3% poor, 29% fair, 55% good, 11% excellent. Potatoes 1% very poor, 4% poor, 29% fair, 53% good, 13% excellent. Sugarbeets 1% very poor, 3% poor, 24% fair, 55% good, 17% excellent. Sunflower 1% very poor, 9% poor, 35% fair, 46% good, 9% excellent. Hay 18% very poor, 13% poor, 32% fair, 32% good, 6% excellent. Alfalfa 2nd cutting of was 68% complete, 84% of all other hay had been baled. Stockwater supplies 9% very short, 18% short, 70% adequate, 3% surplus. Range, pasture feeds 17% very poor, 17% poor, 29% fair, 29% good, 5% excellent.

OHIO: Days suitable for field work 4.3. Topsoil 1 % very short, 10 % short, 77 % adequate, 12% surplus. Alfalfa hay 2nd cutting complete 84%, 72% 2003, 91% avg.; 3rd cutting complete 17%, 11% 2003, 29 % avg. Apples harvested (summer) 54%, 58% 2003, 60% avg. Corn 99% silked, 89% 2003, 93% avg.; 54% in dough, 20% 2003, 38% avg.; 4% dented, 4% avg. Oats 98% ripe, 100% 2003, 99% avg.; 66% harvested, 55% 2003, 77% avg. Other hay 2nd cutting complete 63%, 50% 2003, 72% avg.; 3rd cutting complete 7%, 6% 2003, 15% avg. Soybeans 94% blooming, 89 % 2003, 92% avg.; 75% setting pods, 47% 2003, 63% avg. Corn conditions 3% very poor, 10% poor, 24% fair, 43% good, 20% excellent. Hay conditions 4% very poor, 10% poor, 30% fair, 43% good, 13% excellent. Oats conditions 1% very poor, 10% poor, 31% fair, 50% good, 8% excellent. Pasture feeds 3% very poor, 5% poor, 25% fair, 52% good, 15% excellent. Soybean conditions 5% very poor, 10% poor, 26% fair, 43% good, 16% excellent. Livestock conditions 0% very poor, 1% poor, 19% fair, 61% good, 19% excellent. Farmers this past week spent time baling hay. They also started harvesting potatoes. Saturated soil conditions put a damper on completing field work in Paulding county. This past week, rain in some counties helped pastures, hay to rebound from the previous dry weather conditions. Corn, soybeans have also benefitted from recent rain. Huron county had a growth spurt on the soybeans from the rains. Many counties have been spraying soybeans for weeds more often due to excessive run-off from the rain. There has also been negative effects on some of the vegetable crops such as tomatoes in Fulton county. Many tomatoes are not very big in size, some have rotted before turning red. Some vine crops like cucumbers have also suffered, are in poor conditions from the rain. Rains have also damaged tobacco in Brown, Highland counties. In Seneca county, leaf hoppers were seen among the alfalfa crop. There were very few apples harvested in Huron county this past week. Henry, Columbiana counties have reported livestock in good conditions. Harrison county has reported an increase in flies on livestock. In the beginning of the week, Williams county had a few hot days, which caused heat stress on livestock. Cooler weather in the latter part of the week gave heat stressed livestock some relief.

OKLAHOMA: Days suitable for fieldwork 5.7. Topsoil 5% very short, 27% short, 66% adequate, 2% surplus. Subsoil 8% very short, 20% short, 70% adequate, 2% surplus. Wheat 93% plowed, 88% last week, 94% 2003, 93% avg.; 14% seedbed prepared, 10% last week, 13% 2003, 21% avg. Oats 94% plowed, 91% last week, 95% 2003, 94% avg.; 10% seedbed prepared, 6% last week, 12% 2003, 16% avg. Rye 97% plowed, 93% last week, n/a last year, n/a avg. Corn 1% poor, 10% fair, 36%

good, 53% excellent; 63% dough, 56% last week, 58% 2003, 68% avg.; 24% mature, 22% last week, 26% 2003, 24% avg. Soybeans 2% poor, 25% fair, 57% good, 16% excellent; 64% blooming, 56% last week, 71% 2003, 71% avg.; 44% setting pods, 36% last week, 49% 2003, 49% avg. Peanuts 84% setting pods, 72% last week, 79% 2003, 78% avg.; 2% mature, n/a last week, 1% 2003, 1% avg. Cotton 96% squaring, 90% last week, 96% 2003, 95% avg. Alfalfa Hay 3% poor, 21% fair, 56% good, 20% excellent; 96% 3rd cutting, 93% last week, 94% 2003, 88% avg.; 35% 4th cutting, 12% last week, 20% 2003, 24% avg. Other Hay 2% poor, 25% fair, 57% good, 16% excellent; 1st cutting 95%, 94% last week, 98% 2003, 98% avg.; 51% 2nd cutting, 45% last week, 43% 2003, 48% avg. Watermelons 80% harvested, 79% last week, 87% 2003, 78% avg. Livestock 1% poor, 13% fair, 56% good, 30% excellent. Pasture, Range 2% very poor, 4% poor, 21% fair, 47% good, 26% excellent. Livestock: Livestock conditions 30% excellent, 56% good, 13% fair, 1% poor. Livestock insect activity was mostly moderate. The price for feeder steers, heifers decreased this week. Feeder steers less than 800 pounds dropped \$2.31 to \$120.27 per cwt. The price for feeder heifers less than 800 pounds decreased \$2.33 to \$114.58 per cwt.

OREGON: Days suitable for fieldwork 6.2. Topsoil 13% very short, 44% short, 43% adequate. Subsoil 14% very short, 46% short, 40% adequate. Barley 52% harvested, 30% previous week, 78% 2003, 53% 5-yr avg.; condition 2% poor, 27% fair, 62% good, 9% excellent. Winter wheat 64% harvested, 50% previous week, 81% 2003, 71% 5-yr avg.; condition 5% poor, 26% fair, 57% good, 12% excellent. Spring wheat 49% harvested, 22% previous week, 68% 2003, 47% 5-yr avg. Range, Pasture 1% very poor, 11% poor, 45% fair, 39% good, 4% excellent. Activities: Last week saw an increase in thunderstorm activity, especially in north-central, northeast state. Some of these storms brought large hail; resulting crop damage was mixed. Three lightning-induced fires noted in Sherman County; kept contained, crop damage minimal. Klamath County experienced cooler early-week temperatures, much warmer late-week temperatures. Jackson County also saw some thunderstorms, light hail. Most of Willamette Valley saw some late-week rain, slowing down grain harvest. Medford recorded weekly high temperature across the state, with high of 102 degrees. Haying continued. Grain, grass harvest ongoing. Baker County continued haying, started grain harvest. Klamath County continued harvest for grain with some third cutting being dropped. Lake County wrapped up grass hay harvest. Umatilla County continued haying. Union, Wallowa, Sherman counties started harvest of grain crops. Wasco County harvest delayed by rain, continued third cutting alfalfa. Jackson County continued grain harvest, with straw being baled, alfalfa nearing third harvest. Marion County grass seed harvest began to wind down, with most ryegrass, fine fescue, tall fescue harvested. Bentgrass harvest started with sugarbeet, mint harvest underway. Washington County neared completion of winter wheat harvest, ongoing third cutting alfalfa. All squash crops producing well, available at vegetable stands. Green bean harvest continued in Clackamas County. Fresh market sweet corn harvest underway. Tomatoes grown outside of greenhouses started to ripen. Garlic developing very well. Processing sweet corn neared maturity. Washington County reported cole crops growing well. Cucumbers growing rapidly. Summer pear harvest began in lower Hood River Valley with Starkrimsons, Bartletts. Mid-week hail storms resulted in damage to some orchards. Hail storms affected start of Bartlett harvest in Jackson County, with an estimated loss of two to three percent in affected areas. Wasco County pears were taking on a yellow color. Evergreen blackberries, blueberries continued to be picked in Willamette Valley. Other berry fields being pruned, renovated. Some early apples picked. Early season plums harvested by farm direct marketers in Yamhill County; plums in other areas should be ready soon. Peach harvest continued throughout Willamette Valley. Hazelnuts continue to fill. When checking for Eastern Filbert Blight, look for limbs that have brown "flagging" or leaves that have turned brown. Nurseries irrigating, feeding plants, repotting plants, doing pot rotation. Bearded iris growers harvesting tubers for shipment to customers. Christmas tree growers shearing trees. Easter lily growers getting ready to plant scales from bulbs in mid-August. Growers getting ready for "Far West" nursery show at end of August. Dryland pastures reported used up for season in many areas of western state. Supplemental feeding common throughout these areas. Rangeland continued to dry out in eastern state. Rangeland in southeastern portions of the state reported very dry and dusty. Cattle moved off forest land in these areas early. Rangeland in northeastern state reported in better condition. Although northeastern ranges started

to dry down, abundant forage reported, with higher elevation land still in very good condition

PENNSYLVANIA: Days suitable for field work 4.0. Soil 1% short, 67% adequate, 32% surplus. Fall plowing 6% complete, 6% 2003, 5% avg. Corn 82% silk, 65% 2003, 77% avg.; 47% dough, 16% 2003, 33% avg.; 13% dent, 3% 2003, 5% avg.; height 83 inches, 66 inches 2003, 68 inches avg.; condition 1% very poor, 3% poor, 12% fair, 33% good, 51% excellent. Winter wheat 92% harvested, 92% 2003, 98% avg. Oats turning 98% yellow, 85% 2003, 93% avg.; 77% ripe, 60% 2003, 73% avg.; 46% harvested, 28% 2003, 50% avg.; condition 2% very poor, 8% poor, 33% fair, 51% good, 6% excellent. Soybean crop condition 3% poor, 8% fair, 44% good, 45% excellent. Tobacco 10% harvested, 0% 2003, 1% avg. Potatoes 16% harvested, 5% 2003, 10% avg. Alfalfa 2nd cutting complete 86%, 82% 2003, 85% avg.; 3rd cutting complete 30%, 32% 2003, 42% avg.; condition 1% very poor, 5% poor, 18% fair, 56% good, 20% excellent. Timothy clover 1st cutting complete 97%, 94% 2003, 98% avg.; 2nd cutting complete 47%, 26% 2003, 39% avg.; condition 2% poor, 22% fair, 63% good, 13% excellent. Peach crop condition 1% poor, 8% fair, 44% good, 47% excellent; 54% harvested, 36% 2003, 46% avg.; condition 9% poor, 26% fair, 52% good, 13% excellent; 21% harvested, 10% 2003, 13% avg. Quality of hay made 5% very poor, 19% poor, 41% fair, 31% good, 4% excellent. Pasture feeds 2% very poor, 4% poor, 18% fair, 60% good, 16% excellent. Activities Include: Hay making; spreading manure; applying herbicides, pesticides; harvesting oats, picking fruit; repairing fences and machinery; and baling straw.

SOUTH CAROLINA: Days suitable for field work 5.9. Soil 4% very short, 18% short, 75% adequate, 3% surplus. Corn 98% doughed, 92% 2003, 95% avg.; 61% matured, 54% 2003, 60% avg., 5% harvested, 4% 2003, 13% avg.; 4% very poor, 10% poor, 28% fair, 47% good, 11% excellent. Peanuts 93% pegged, 97% 2003, 94% avg.; 2% poor, 41% fair, 55% good, 2% excellent. Sorghum 98% headed, 89% 2003, 82% avg.; 65% turned color, 58% 2003, 55% avg.; 35% matured, 9% 2003, 7% avg.; 2% harvested, 1% 2003, 3% avg.; 48% fair, 48% good, 4% excellent. Cotton 99% squared, 97% 2003, 98% avg.; 80% setting bolls, 59% 2003, 71% avg.; 3% open bolls, 1% 2003, 3% avg.; 2% poor, 18% fair, 73% good, 7% excellent. Pastures 1% very poor, 9% poor, 26% fair, 58% good, 6% excellent. Soybeans 78% bloomed, 54% 2003, 59% avg.; 48% setting pods, 18% 2003, 29% avg.; 1% leaves turning color, 1% 2003, 1% avg.; 2% poor, 20% fair, 65% good, 13% excellent. Tobacco 100% topped, 100% 2003, 100% avg.; 58% harvested, 57% 2003, 51% avg.; 6% stalks destroyed, 5% 2003, 7% avg.; 3% poor, 15% fair, 61% good, 21% excellent. Other hay 90% harvested, 88% 2003, 86% avg.; 6% poor, 39% fair, 49% good, 6% excellent. Peaches 73% harvested, 74% 2003, 76% avg.; 3% very poor, 4% poor, 14% fair, 33% good, 46% excellent. Apples 73% fair, 27% good. Watermelons 98% harvested, 98% 2003, 98% avg. Tomatoes 99% harvested, 100% 2003, 99% avg. Cantaloups 99% harvested, 99% 2003, 99% avg. Livestock 3% poor, 22% fair, 69% good, 6% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.1. Topsoil 12% very short, 23% short, 64% adequate, 1% surplus. Subsoil 20% very short, 23% short, 56% adequate, 1% surplus. Feed supplies 9% very short, 22% short, 63% adequate, 6% surplus. Stock water supplies 19% very short, 29% short, 50% adequate, 2% surplus. Winter Wheat 98% ripe, 100% 2003, 100% avg. Barley 79% ripe, 87% 2003, 92% avg. Oats 90% ripe, 96% 2003, 95% avg. Spring wheat 87% ripe, 95% 2003, 93% avg. Sunflower 3% very poor, 16% poor, 28% fair, 44% good, 9% excellent. Corn 96% tasseled, 96% 2003, 96% avg. Sunflower 43% blooming, 50% 2003, 56% avg.; 3% ray flowers dry, 2% 2003, 9% avg.; 1% bracts yellow, 0% 2003, 4% avg. Cattle condition 2% poor, 15% fair, 66% good, 17% excellent. Sheep condition 9% fair, 72% good, 19% excellent. Range, Pasture 11% very poor, 18% poor, 30% fair, 34% good, 7% excellent. Corn silage 0% harvested, 1% 2003, 1% avg. Sorghum silage 0% harvested, 1% 2003, 1% avg. Alfalfa hay 14% very poor, 13% poor, 19% fair, 41% good, 13% excellent; 2nd cutting harvested 85%, 90% 2003, 83% avg.; 3rd cutting harvested 19%, 16% 2003, 22% avg. Other hay 88% harvested, 93% 2003, 87% avg. Showers, thunderstorms improved soil moisture conditions last week, however the strong winds, hail that accompanied the storms damaged row crops, injured livestock in some areas. Small grain harvest progressed last week, but remains behind normal. Crop maturity remains behind normal for all crops in general. Maturity is expected to remain slow with cool temperatures predicted for the state this week. Producers continue to scout for insects

in soybeans, sunflowers, put up hay, and care for livestock, in addition to the small grain harvest.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 19% short, 76% adequate, 5% surplus. Subsoil 19% short, 78% adequate, 3% surplus. Corn silage 20% harvested, 11% 2003, 21% avg. Tobacco 71% topped, 60% 2003, 63% avg.; 1% very poor, 5% poor, 25% fair, 52% good, 17% excellent. Burley 11% harvested, 5% 2003, 9% avg. Dark air-cured 5% harvested, 1% 2003, 7% avg. Dark fire-cured 4% harvested, 7% 2003, 11% avg. Pastures 3% poor, 16% fair, 63% good, 18% excellent. Cattle 2% poor, 16% fair, 65% good, 17% excellent. Tobacco, corn silage harvest for the State began in earnest this past week with only minor disruptions from scattered showers. Activities: Were topping tobacco, applying pesticides to crops. Silage harvest was about a week ahead of last year, on-pace with normal. Rainfall averaged above normal in the middle of the State and below normal elsewhere. Temperatures were between 3 and 5° below normal for the week.

TEXAS: Agricultural Summary: Sunshine, rains in the same week kept many producers happy. The early part of the week was quiet as producers awaited rains across the State. Portions of the state, including the Upper Coast, eastern Trans Pecos, isolated areas of the Panhandle saw a trace to an inch of rain early in the week. Later in the week, larger amounts of rain spread from the Panhandle to southeast regions of the state. Some isolated locations saw up to 4 inches in the Panhandle and up to 2 inches in areas of the South Plains. Many irrigation pumps rested as rains replenished the soil profile. In areas receiving the most moisture over the past few weeks, heat was still needed to help with insects, possible mildew threats. Areas near creeks, basins were swarming with mosquitos. Some isolated hail storms damaged crops on the Plains. Fences were repaired from past storms in some areas. Insect, weed, disease control continued. Although several areas saw rains, there were still dry areas in need of more soil moisture. Small Grains: Wheat field preparation continued throughout the week. Corn: Panhandle corn was in soft dough to dent stage, getting closer to maturity. Some borer spraying was occurring. Blacklands producers continued harvest on corn, but some of them were unable to get a good start due to humidity. Rust helped the corn dry down faster, whereas other areas of the Blacklands saw slow drying due to humidity. Harvest of corn continued in the South Central region, was nearing completion along the Coastal Bend, Upper Coast, some portions of South State. Corn condition 92% normal, 60% 2003. Cotton: Cotton was generally average to above average across all regions. There was some failure due to over saturation, hail. Some areas in the Southern High Plains were seeing some of the best crops ever. Growth regulator, weed control were being administered. Insect scouting had begun. While producers sprayed for aphids, some weevils were witnessed. Isolated worm findings were witnessed across the state. There was root rot reported in some Blackland cotton. South Central cotton was nearing cut-out, harvest was getting closer with light insect damage being reported. Harvest was in full swing or nearing along the Coastal Bend. South State cotton producers were either harvesting or nearing harvest. Cotton condition 84% normal, 58% 2003. Sorghum: Most dryland sorghum in the Plains benefitted from increased moisture, but there were still fields in need of rain. Harvest of sorghum in the Blacklands had begun, progress was moving north. For the most part, the state saw promising yields. Sorghum condition 84% normal, 59% 2003. Peanuts: In the Plains, peanuts were pegging rapidly. There was some disease and leaf-spots in some fields. Peanuts in the South Central region were at the pegging stage, were at their peak water use time. South State peanuts were progressing nicely. Peanut condition 91% normal, 88% 2003. Rice: Rice harvest had begun on the Upper Coast. Rice condition 81% normal, 88% 2003. Commercial Vegetables, Fruit, Pecans On the High Plains, pumpkins were ahead of schedule, responded well to recent rains. Watermelon fields were being harvested. In the Trans-Pecos, melon harvest was going well. On the Edwards Plateau, due to heat, water stress, some pecans were dropping from trees. Orchards that received rain were benefitting. In East State, peach harvest continued. Vegetable crop production had slowed down with the hotter temperatures. Range, Livestock: Pastures, rangeland continued to grow in the Plains after rainfall. Most cattle in the region were not in need of supplemental feeding. Hay baling continued as weather permitted. Grasses continued to green as moisture was in abundance in many areas. Fly populations were extremely high on some ranches in the Cross Timbers where little or no control was being used. Land preparations were active for winter forages. Grasshopper pressure was on the rise in East State. Some

supplementing was taking place on the Trans Pecos. preparation continued where conditions allowed.

UTAH: Days suitable for field work 7. Subsoil 23% very short, 40% short, 37% adequate, 0% surplus. Irrigation water supplies 38% very short, 35% short, 27% adequate, 0% surplus. Winter wheat 58% harvested, 73% 2003, 67% avg.; condition 2% very poor, 12% poor, 23% fair, 43% good, 20% excellent. Spring wheat 26% harvested, 54% 2003, 47% avg.; 5% very poor, 7% poor, 29% fair, 39% good, 20% excellent. Barley harvested (grain) 62%, 54% 2003, 53% avg.; condition 5% very poor, 2% poor, 19% fair, 58% good, 16% excellent. Oats 100% headed, 100% 2003, 97% avg.; harvested (grain) 50%, 38% 2003, 30% avg.; harvested for Hay or Silage 88%, 90% 2003, 87% avg. Corn silked (tasseled) 85%, 76% 2003, 68% avg.; 10% dough, 12% 2003, 8% avg.; condition 0% very poor, 1% poor, 22% fair, 62% good, 15% excellent; height 86 inches, 75 inches 2003, 75 inches avg. Alfalfa hay 2nd cutting 93%, 88% 2003, 88% avg.; 3rd cutting 26%, 9% 2003, 16% avg. Other hay cut 92%, 91% 2003, 93% avg. Onions 6% harvested, 2% avg. Cattle, calves moved From Summer Range 7%, 0% 2003, 7% avg.; condition 2% very poor, 1% poor, 18% fair, 68% good, 11% excellent. Sheep, lambs moved From Summer Range 6% avg. Sheep Condition 5% very poor, 0% poor, 18% fair, 69% good, 8% excellent. Stock water supplies 16% very short, 44% short, 39% adequate, 1% surplus. Apricots 98% harvested, 100% 2003, 100% avg. Tart cherries 100% harvested, 79% 2003, 91% avg. Peaches 18% harvested, 12% 2003, 13% avg. Thunderstorms have helped keep temperatures down in some areas. The major concern across the state continues to be the lack of water. Irrigation water is very short throughout the state, especially in those areas that depend on Bear Lake. While grain continues to be harvested, fall planting will begin shortly. Irrigated farm yields in Box Elder are reportedly better than expected on both grain, hay while dryland crops are slightly below average to average. Corn condition is starting to suffer from the limited water supply. While the majority of cattle, sheep remain in good condition, livestock conditions in some counties have worsened in the last week. Range, pasture feeds have also suffered slightly in the past week due to the high temperatures.

VIRGINIA: Days suitable for fieldwork 4.2. Topsoil 8% short, 71% adequate, 21% surplus. Subsoil 14% short, 70% adequate, 16% surplus. The Commonwealth experienced more rain, cooler temperatures this week. The south, southeastern region of the State was again hit with the heaviest rainfall; precipitation for this region averaged between 3 to 4 inches. The north, northwestern region of the State experienced the lightest rainfall, averaging 1 inch of rain. The average temperature for the State decreased slightly due to nighttime lows in the 50's. Corn for silage is in good condition with ideal weather promoting earlier than normal harvesting. State's vegetable crop continues to suffer from cracking, disease because of excessive rain. The soybean crops look good throughout most of the State excluding the wetter regions of the State where the crop has begun yellowing, potential disease problems have increased. Tobacco harvesting progressed well ahead of schedule. Activities Included: Farmers making hay, marketing lambs, yearling cattle, repairing flood damage, attending State's Food Festival, and preparing for the Ag Expo.

WASHINGTON: Days suitable for fieldwork was 5.4. Topsoil 10% very short, 33% short, 57% adequate. Subsoil 11% very short, 34% short, 55% adequate. Irrigation water supply 2% very short, 6% short, 92% adequate. The highest temperature in the state was 100° in Pullman. The lowest temperature in the state was 44° in Pullman. Winter wheat condition 2% very poor, 7% poor, 24% fair, 59% good, 8% excellent; 55% harvest. Spring wheat condition 2% very poor, 3% poor, 30% fair, 61% good, 4% excellent; 42% harvested. Barley condition 2% very poor, 8% poor, 31% fair, 52% good, 7% excellent; 44% harvested. Grain harvest was not deterred by rain storms experienced at the end of the week. Numerous grain producers anticipated the wet weather, pushed early in the week to harvest grains. Our largest wheat county experienced heavy rain, hail, which took a toll on both wheat, barley. Potato conditions 1% poor, 7% fair, 90% good, 2% excellent. Potatoes 21% harvested. Corn conditions 1% fair, 97% good, 2% excellent; harvested for silage was 7% harvested. Dry Peas 70% harvested. Dry edible bean conditions 2% fair, 94% good,

4% excellent; 5% harvested. Processing green peas 95% harvested. Two major pulse crop counties had gusty winds, dust damage to dry peas, lentils. Standing lentils, recently swathed lentils were scattered from fields. Losses were estimated to be from 30 to 50 percent. Some hay producers throughout Washington had hay get wet, both in windrows, bales. Alfalfa Hay 2nd cutting complete 93%, 3rd cutting complete 54%. Hay, other roughage supplies 2% very short, 3% short, 88% adequate, 7% excellent. Range, pasture feeds 5% very poor, 14% poor, 52% fair, 29% good. Livestock producers were thankful for the rain, but were still having to haul water to their livestock. Some grapes were beginning to show color. Onion, radish seed crops were being combined. Reports of limb rub, bruising occurred in apples due to high winds. Harvest started for some early apple varieties, including Gingergold and Gala.

WEST VIRGINIA: Days suitable for field work 6.0. Topsoil 1% very short, 12% short, 78% adequate, 9% surplus, 2003 62% adequate, 38% surplus. Corn conditions 2% very poor, 3% poor, 11% fair, 51% good, 33% excellent; 92% silked, 57% 2003, 73% 5-yr avg.; 32% doughing, 21% 2003, 27% 5-yr avg.; 1% dented, 2003, 5-yr. avg. not available. Oats conditions 15% fair, 74% good, 11% excellent; 59% harvested for grain, 42% 2003, 70% 5-yr avg. Soybeans conditions 1% poor, 5% fair, 57% good, 37% excellent; 82% blooming, 59% 2003, 67% 5-yr avg.; 71% setting pods, 35% 2003, 32% 5-yr avg. Tobacco conditions 17% poor, 36% fair, 47% good; 29% topped, 16% 2003, 24% 5-yr avg. Hay conditions 8% poor, 41% fair, 44% good, 7% excellent; 2nd cutting complete 42%, 17% 2003, 47% 5-yr avg. Apples 2% poor, 11% fair, 82% good, 5% excellent. Peaches 2% poor, 9% fair, 87% good, 2% excellent; 51% harvested, 20% 2003, 5-yr avg. not available. Cattle, calves 1% poor, 14% fair, 76% good, 9% excellent. Sheep, lambs 1% poor, 8% fair, 77% good, 14% excellent. Activities Included: Hay making, preparing fields for fall seeding, clipping pastures, harvesting vegetables and peaches.

WISCONSIN: Days suitable for fieldwork 5.5. Rain Helps Out Some Crops. Most areas got the rain they needed just in time to prevent too much stress to crops, but some areas up north could use more. Temperatures this past week were about 3° below normal for this time of year, ranging from the low 50's to the high 70's. Precipitation ranged from trace amount to 3 inches across the state. Year-to-date precipitation in the northwestern part of the state is about 3 inches below normal, the west central part of the state is about 6 inches above normal, the south central is almost 4 inches above normal. The rest of the state is close to normal. Soil moisture conditions 10% very short, 23% short, 63% adequate, 4% surplus. Warmer nights, days would go a long way in helping crop progress. Most corn is looking good, silking with the recent heat, but is becoming stressed in some areas without rain. Corn is still very uneven, about two weeks behind in most areas. Second crop hay is almost done with reports of good quality, yield. However, third crop could use more rain to produce higher yields. Oats have a few weeds showing up while harvesting is underway, and yields are looking good. Soybeans look good and appear close to normal. They are blossoming, setting pods. Wheat is being harvested; quality will be a big problem in some areas due to scab. Straw is short and brittle, causing lower yields in some areas.

WYOMING: Days suitable for field work 6.5. Topsoil 21% very short, 45% short, 34% adequate. Subsoil e 42% very short, 36% short, 22% adequate. Barley 91% turning color, 2003 97%, 90% 5-yr avg.; 66% mature, 78% 2003, 71% 5-yr avg.; 34% harvested, 46% 2003, 42% 5-yr avg.; condition 7% very poor, 8% poor, 20% fair, 60% good, 5% excellent. Oats 68% turning color, 2003 81%, 71% 5-yr avg.; 39% mature, 50% 2003, 42% 5-yr avg.; 23% harvested, 18% 2003, 18% 5-yr avg.; condition 10% very poor, 18% poor, 23% fair, 48% good, 1% excellent. Spring wheat 70% turning color, 82% 2003, 77% 5-yr avg.; 54% mature, 50% 2003, 47% 5-yr avg.; 21% harvested, 24% 2003, 22% 5-year avg.; condition 37% very poor, 23% poor, 18% fair, 22% good. Winter wheat 87% harvested, 91% 2003, 90% 5-yr avg.; 87% tasseled, 91% 2003, 91% 5-yr avg. Corn 41% silked, 75% 2003, 70% 5-yr avg.; Condition 3% very poor, 10% poor, 33% fair, 52% good, 2% excellent. Dry beans 75% in bloom, 98% 2003, 91% 5-yr avg.; 41% setting pod, 75% 2003, 67% 5-yr avg.; condition 1% very poor, 3% poor, 23% fair, 73% good. Condition of sugarbeets 3% very poor, 7% poor, 25% fair, 61% good, 4% excellent. Alfalfa 2nd cutting 35%, 2003 43%, 43% 5-yr avg. Other hay 56% harvested, 79% 2003, 74% 5-yr avg. Range, pasture feed supplies 27% very poor, 29% poor, 30% fair, 11% good, 3% excellent. Stock water supplies 35% very short, 34% short, 31% adequate. Temperatures were above normal. Temperatures ranged from 1.1 degrees above normal in Worland to 5.8 degrees above normal in Kaycee. The highest temperature was 99 degrees in Kaycee, while the lowest temperature was 39 degrees in Big Piney. A trace or more of precipitation was reported at most stations with most stations reporting below normal amounts. The most precipitation fell in Archer with 0.61 inch, Recluse with 0.52 inch, and Sundance with 0.44 inch.