

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.0. Topsoil 4% very short, 22% short, 59% adequate, 15% surplus. Corn 100% dough, 100% 2003, 98% avg.; 99% dented, 96% 2003, 93% avg.; 77% mature, 73% 2003, 76% avg.; condition 0% very poor, 5% poor, 13% fair, 56% good, 26% excellent. Soybeans 99% blooming, 92% 2003, 92% avg.; 78% setting pods, 71% 2003, 77% avg.; 25% dropping leaves, 1% 2003, 10% avg.; condition 1% very poor, 5% poor, 15% fair, 68% good, 11% excellent. Pasture feed 1% very poor, 6% poor, 32% fair, 47% good, 14% excellent. Livestock condition 0% very poor, 3% poor, 23% fair, 51% good, 23% excellent. Rain was received across much of the state.

ALASKA: Days suitable for fieldwork 5.0. Topsoil 75% short, 25% adequate. South central state welcomed two storms that brought some needed rain, however the Tanana Valley saw only scattered showers. Barley crop 20% ripe, 80% harvested. Oat 40% ripe, 60% harvested. Potatoes harvest was less than 5% complete statewide. The second harvest of hay was reported as 20% complete. Regrowth on the second cutting remained slow due to the earlier hot, dry weather. No wind or rain damage to small grains was reported. Activities Include: Irrigation, weed control, equipment repair, preparing for the potato harvest, harvesting vegetables, hay and small grains.

ARIZONA: Temperatures for the State were below normal for the fourth week of August. Alfalfa condition remains mostly good. Cotton bolls have opened on sixty percent of the acreage ahead of last year and the 5-year average. Precipitation was reported at 2 of the 17 reporting stations, ranging from 0.01 inches in Flagstaff to 0.20 inches in Gila Bend.

ARKANSAS: Days suitable for fieldwork 6.0. Soil 4% very short, 27% short, 65% adequate, 4% surplus. Corn 100% doughed, 100% 2003, 100% 4-yr avg.; 99% dented, 100% 2003, 99% 4-yr avg.; 94% matured, 93% 2003, 89% 4-yr avg.; 44% harvested, 34% 2003, 40% 5-yr avg.; Corn condition: 0% very poor, 2% poor, 25% fair, 54% good, 19% excellent. Soybeans 99% bloomed, 100% 2003, 99% 5-yr avg.; 95% setting pods, 93% 2003, 91% 5-yr avg.; 32% yellowing, 17% 2003, 11% 5-yr avg.; 21% shedding, 9% 2003, 10% 5-yr avg.; 16% matured, 9% harvested, condition 1% very poor, 4% poor, 25% fair, 47% good, 23% excellent. Sorghum 94% colored, 99% 2003, 96% 5-yr avg.; 71% matured, 74% 2003, 68% 5-yr avg.; 31% harvested, 32% 2003, 27% 5-yr avg.; condition: 0% very poor, 2% poor, 33% fair, 54% good, 11% excellent. Cotton 14% open bolls, 19% 2003, 32% 5-yr avg.; condition 0% very poor, 5% poor, 24% fair, 43% good, 28% excellent. Rice 92% headed, 99% 2003, 98% 5-yr avg.; 3% harvested, 5% 2003, 6% 5-yr avg.; condition 0% very poor, 2% poor, 22% fair, 50% good, 26% excellent. Hay-Other condition 2% very poor, 4% poor, 27% fair, 56% good, 11% excellent. Hay-Alfalfa condition 1% very poor, 7% poor, 28% fair, 62% good, 2% excellent. Pasture, Range feed 2% very poor, 6% poor, 27% fair, 54% good, 11% excellent Much needed rainfall was received late in the week. CROPS: Statewide, farmers continued to slowly increase harvest activities, although rains, high humidity prevented a significant increase during the week. Some corn lodging was reported due mainly to stalk rot. Draining of rice fields continue in preparation for upcoming harvest. Rice harvest has begun in several counties. Some areas have reported problems with spidermites, cabbage looper infestations in cotton. Harvesting of peaches, apples continues

inFaulkner county. LIVESTOCK: Livestock are in good condition. Forage crops continue to be in excellent condition. Hay harvest is continuing.

CALIFORNIA: Warm weather conditions continued to benefit the growth, development of field crops across the State. The cotton crop continued to make steady progress. Open bolls were evident in many areas. Fields were being irrigated, treated for aphids, whiteflies, preparations for defoliation continued. Ground preparation for winter wheat planting took place in some northern counties. Most rice fields were heading out. Rice harvesting was underway in a few areas in the Sacramento Valley. Seed alfalfa harvesting continued. Cutting, windrowing, baling activity continued in fields of alfalfa hay and Sudan grass. Some alfalfa growers had completed their sixth cutting, were proceeding with the seventh. Corn fields were treated with insecticides. Corn continued to be harvested for seed, feed, human consumption. Silage corn was green chopped, hauled to dairies. Blackeye bean fields exhibited strong growth. Sugar beet harvesting continued, with good yields reported. Safflower harvesting was nearing completion. Potato, sweet potato harvesting continued. Harvesting of raisin grapes gained momentum as vineyards reached maturity. Approximately 20% of the crop was harvested, with the majority drying on trays. Cultivation and terracing continued in many raisin grape vineyards to prepare for harvest. Fruit in dried-on-the-vine vineyards was drying evenly, but no harvesting was reported. Wine grape harvesting continued. Picking, packing of table grapes continued steadily. Thompson Seedless, Flame Seedless were among the varieties harvested. Harvesting of stone fruit continued in most locations. Varieties reported included O'Henry peaches, Autumn Blaze nectarines, Howard Sun plums, Flavor Grenade pluots. Irrigation, cultivation, summer pruning were ongoing in stone fruit orchards. Piled stumps, brush were drying for burning or recycling where orchards, vineyards had been removed. Pomegranates, apples, figs, pears were picked, packed, shipped. Persimmons were gaining size steadily with irrigation underway as needed, but external coloring slowed because of warm temperatures. Shipments of Valencia oranges were sluggish due to poor fruit quality. Puff of large fruit, soft rind, regreening affected packouts. Steady fruit development continued in most citrus orchards thanks to the excellent weather conditions. Citrus groves were irrigated, treated with insecticides, herbicides, fertilizer. Lemon harvesting began in Imperial County. Olive orchards were treated for fruit flies. Almond harvesting continued across the State. Late variety almond orchards were being prepared for harvest. Steady crop maturity continued in pistachio, walnut, pecan orchards. Irrigation was underway in several areas. Walnut orchards were treated for husk fly, codling moth. Summer vegetable fields continued to be cultivated, irrigated, treated to control insect pests as needed. Worm sprays were applied to cucumber seed, melon, tomato fields. Some bean and fresh market tomato fields were sprayed for aphids. Transplanting of broccoli, cauliflower for fall harvesting continued. Spinach was planted in Tulare County. Harvesting of both fresh market, processing tomatoes, cantaloupe, honeydew, watermelon, peppers, squash, sweet corn, snap beans, eggplant continued. Harvesting of onions, garlic in Fresno County continued, but at a slower pace. The following vegetables were also harvested: amaranth, basil, bittermelon, dill seed, gourds, lemon grass, lettuce seed, long bean, moqua, okra, opo, parsley, sinqua, snake gourd, sugar cane, taro leaf, yucca leaf, various herbs. Rangeland grass continued to be depleted with normal grazing. Little forage was available in pastures, rangeland, consistent with midsummer conditions. Fire hazard remained

high due to dry conditions. Rangeland cattle were being moved to mountain pastures. Supplemental feed was being supplied where needed. Hot weather affected milk cows as production declines were noted. Bees were working vinedeed fields, some melon fields. Some hives were treated to control insect pests.

COLORADO: Days suitable for fieldwork 5.8. Top soil 9% very short, 22% short, 67% adequate, 2% surplus. Subsoil 14% very short, 32% short, 52% adequate, 2% surplus. Most areas of the state experienced unseasonably cool temperatures for the third consecutive week. Widespread showers were received throughout the Eastern Plains, which slowed maturity rates slightly. Spring wheat 65% harvested, 77% 2003, 64% avg.; condition 10% poor, 35% fair, 40% good, 15% excellent. Spring barley 72% harvested, 83% 2003, 84% avg.; condition 3% poor, 24% fair, 52% good, 21% excellent. Sunflower condition 2% poor, 20% fair, 52% good 26% excellent. Alfalfa hay 2nd cutting 93%, 92% 2003, 94% avg.; 3rd cutting 44% , 30% 2003, 44% avg.; condition 3% very poor, 6% poor, 35% fair, 37% good, 19% excellent. Dry beans 98% flowering, 100% 2003, 97% avg.; 4% cut, 9% 2003, 13% avg.; condition 4% very poor, 8% poor, 26% fair, 36% good, 26% excellent. Dry onions 46% harvested, 35% 2003, 37% avg.; condition 4% very poor, 10% poor, 32% fair, 43% good, 11% excellent. Summer potatoes 37% harvested, 41% 2003, 41% avg.; condition 5% poor, 37% fair, 52% good, 6% excellent. Fall potatoes condition 10% poor, 30% fair, 40% good, 20% excellent. Sugar beets condition 1% poor, 34% fair, 49% good, 16% excellent.

DELAWARE: Days suitable for fieldwork 6.70. Topsoil 2% very short, 19% short, 71% adequate, 8% surplus. Subsoil 8% very short, 11% short, 73% adequate, 8% surplus. Field corn condition 11% very poor, 12% poor, 25% fair, 34% good, 18% excellent; 98% corn dough, 84% 2003, 88% avg.; 82% dent, 22% 2003, 56% avg.; 35% mature, 3% 2003, 21% avg. Soybean condition 3% poor, 8% fair, 71% good, 18% excellent; 100% blooming, 79% 2003, 88% avg.; 84% setting pods, 54% 2003, 62% avg. Sorghum condition 24% fair, 66% good, 10% excellent; 97% headed, 76% 2003, 86% avg.; 17% coloring, 4% 2003, 24% avg. Pasture feed 3% poor, 19% fair, 71% good, 7% excellent. Other hay 3rd cutting 59%, 49% 2003, 72% avg.; 4th cutting 0%, 3% 2003, 18% avg. Alfalfa hay 3rd cutting 87%, 67% 2003, 85% avg.; 4th cutting 10%, 11% 2003, 27% avg. Apple condition 2% poor, 14% fair, 56% good, 28% excellent; 20% harvested, 16% 2003, 31% avg. Peaches 93% harvested, 87% 2003, 86% avg. Watermelons 81% harvested, 68% 2003, and 79% avg. Cucumbers 74% harvested, 69% 2003, 75% avg. Lima Beans 56% for processing harvested, 15% 2003, 23% avg. Snap beans 95% harvested, 84% 2003, 84% avg. Sweet corn 77% harvested, 73% 2003, 78% avg. Potatoes 67% harvested, 64% 2003, 71% avg. Tomatoes 66% harvested, 48% 2003, 64% avg. Cantaloups 78% harvested, 77% 2003, 83% avg. Corn silage 18% harvested, 7% 2003, 38% avg. Hay supplies 16% short, 67% adequate, 17% surplus. Topsoil moisture surplus decreased 21% last week, subsoil decreased 15% from last week. Corn for silage harvest increased to 18% compared to 9% last week. Dry weather allowed other hay, alfalfa to be cut, baled. Vegetable harvest progressed well. Downey mildew affected cucumbers, melons. Soybeans are in good to excellent condition, a few fields are beginning to turn color. A few farmers are starting to harvest corn for grain.

FLORIDA: Topsoil 1% very short, 9% short, 40% adequate, 50% surplus. Subsoil 1% very short, 9% short, 50% adequate, 40% surplus. Temperature average: normal, major cities; Orlando, West Palm Beach 1^o. below normal. Highs: 80s, 90s. Lows: 60s, 70s. Rainfall: around a 0.10 in. or less Marianna, Avalon, Live Oak and Ocklawaha, to nearly 4.00 in. Homestead, Lake Alfred. Peanut condition 1% poor, 20% fair, 59% good, 20% excellent. Dryland peanuts need rain to mature, eastern Panhandle, some northern Peninsula localities. Digging gaining momentum, southern peanut production areas. Tomato spotted wilt virus lowering yield on most early planted peanut acreage. Worm infestations affecting some Panhandle, northern Peninsula cotton. Washington County: cotton looks good; most plants gaining abundant growth from earlier rains; plants now in late bloom stage; some plants setting bolls, squaring; picking expected to begin in about sixty days. Jackson County: cotton leaves wilting; lower bolls on early planted acreage starting to open; plants starting to bloom at top; defoliation to start soon. Walton County: cotton bolls starting to open. Soybean harvest to start in about one month, Jackson County; a lot of acreage doubled cropped after small grains. Corn for grain yield at high levels, some Panhandle,

northern Peninsula areas. Scattered rains kept most soil moisture at adequate to surplus levels; drier weather over eastern Panhandle, parts of northern Peninsula dried out some soils; very short supplies reported for some localities, Jackson, Broward counties. Okra harvesting continues, Miami-Dade County. Field preparation for fall crop vegetable planting active, southern Peninsula. Tomatoes, Quincy area, in good condition. Rainfall heavy, some citrus areas, return of hot temps. Growers in path of Hurricane Charley assessing damage; some fruit still falling. Trees, new crop fruit in good condition, other areas. Summer cultural practices continue. Pasture feed 5% poor, 15% fair, 70% good, 10% excellent. Cattle condition 5% fair, 85% good, 10% excellent. Panhandle: pasture feed fair to good; short soil moisture hurting grass growth. North: most pasture, fair to good condition. Central: condition of most pasture good due to heavy rains; cattle condition mostly good. Southwest: range condition very poor to excellent; some pasture flooded from recent rain, Hurricane Charley; some fences destroyed by Hurricane. Statewide, most cattle in good condition. Hurricane impact on cattle feed, milk production, loss of livestock still being assessed.

GEORGIA: Days suitable for field work 6.1. Soil 6% very short, 30% short, 62% adequate, 2% surplus. Corn 49% harvested for grain, 47% 2003, 56% avg. Hay 2% very poor, 10% poor, 34% fair, 48% good, 6% excellent. Peanuts 2% dug, 1% 2003, 2% avg. Sorghum 1% very poor, 18% poor, 40% fair, 38% good, 3% excellent; 19% harvested for grain, 21% 2003, 15% avg. Tobacco 91% harvested, 87% 2003, 87% avg. Apples 11% poor, 15% fair, 68% good, 6% excellent; 20% harvested, 20% 2003, 18% avg. Pecans 11% very poor, 23% poor, 36% fair, 28% good, 2% excellent. Another round of widely scattered showers, thunderstorms passed through parts of the State late last week. Some areas of the State have received significant portions of rain while other areas remained dry. Farmers continued to irrigate where needed. Crops continue in mostly good to fair condition. Growers actively harvested corn, cutting silage. In the northern part of the State, producers were harvesting white grape varieties. There were reports of TSWV in peanut fields. Cotton growers were busy spraying fields for insects. Army worms continued to plague hayfields. Activities Included: Cutting, baling hay, preparing to harvest peanuts, routine care of livestock and poultry.

HAWAII: Trade wind weather continued throughout of the State during the past week. Showers were light, confined to windward, mountain areas. Banana, papaya orchards were in mostly fair-to-good condition with steady harvests. Regular spraying was necessary for disease, insect control. Vegetable crops made generally good progress with fair-to-good yields.

IDAHO: Days suitable for fieldwork 4.5. Topsoil 15% very short, 34% short, 49% adequate, 2% surplus. Mostly below normal temperatures were accompanied by rain for most of the state during this past week. Excessive rainfall in the northern part of the state has the remaining wheat crop suffering from sprout damage. Fruit harvest throughout the state is progressing normally, with the peach, plum, prune harvest halfway over, the apple harvest just beginning. Winter wheat 92 % harvested, 98 %2003, 92% avg. Field corn 0% harvested for silage, 2% 2003, 3% avg. Oats 58% harvested for grain, 60% 2003, 53% avg. Potato condition 5% fair, 81% good, 14% excellent. Potatoes: Vines Dying/Killed 42%, 43%2003, 28% avg.; 4% harvested, 2% 2003, 4% avg. Dry beans 10% harvested, 20% 2003, 14% avg. Dry peas 89% harvested, 84% 2003, 79% avg. Lentils 90% harvested, 89% 2003, 76% avg. Mint harvested-1s tcutting 96%, 99% 2003, 90% avg. Alfalfa hay 2nd cutting harvested 93%, 95% 2003, 96% avg.; 3rd cutting harvested 58%, 52% 2003, 52% avg.; 4th cutting harvested 6%, 7% 2003, 3% avg. Irrigation water supply 9% very poor, 31% poor, 39% fair, 21% good. Activities Included: Feeding, caring for livestock, spraying fungicides, cutting alfalfa hay, harvesting small grains, peas, lentils, potatoes, and fruit

ILLINOIS: Days suitable for fieldwork 2.7. Topsoil 4% short, 70% adequate, 26% surplus. Soybeans 25% turning yellow, 10% 2003, 13% avg. Alfalfa 3rd cut 77%, 85% 2003, 80% avg. Slightly below normal temperatures, above average precipitation was observed in the state last week. Rain showers were heavy across the majority of the state with some areas reporting flooding from nearly six inches of rainfall for the week. The corn crop development still remains ahead of previous years. Between rain showers last week, farmers were busy with many different

projects: Preparing machinery, grain handling equipment for harvest, shelling early corn, mowing waterways, ditches, baling hay, harvesting fruit, and chopping silage.

INDIANA: Days suitable for fieldwork 3.6. Topsoil 5% short, 75% adequate, 20% surplus. Subsoil 1% very short, 10% short, 78% adequate, 11% surplus. Rain slowed field activities during much of the week. Heavy rain in some isolated areas caused ponding in low lying areas. The precipitation will help pod fill in soybean fields. A few fields of corn were being harvested in the southwestern area. Early planted corn, soybean fields are rapidly advancing toward maturity. SDS is evident in some soybean fields. Temperatures warmed up again last week. Blue mold evident in some tobacco fields. Harvesting of corn for silage, seed corn continued. Cutting, baling of hay slowed by wet conditions. Cleaning out grain bins, repairing equipment for fall harvest were major activities. Temperatures averaged 2° to 6° above normal for the week. Precipitation averaged 0.52 to 5.21 inches. Many soybean fields are turning color. Alfalfa hay 3rd cutting 78% complete, 66% 2003, 81% avg. Tobacco harvest 19% complete, 21% 2003, 30% avg. Pastures 1% very poor, 7% poor, 24% fair, 53% good, 15% excellent. Livestock are in mostly good condition. Activities: Harvesting mint, tomatoes, potatoes, hauling grain to market, scouting fields, taking vacations, attending FSA offices, mowing pastures, roadsides, hauling manure and taking care of livestock.

IOWA: Days suitable for fieldwork 4.4. Topsoil 4% very short, 15% short, 67% adequate, 14% surplus. Subsoil 4% very short, 16% short, 71% adequate, 9% surplus. Producers across the state would like warmer temperatures to get their crops to maturity. Some corn, beans show signs of stress. While the top third of the state needs rain, severe storms in the lower two-thirds of the state resulted in corn being blown down, buildings destroyed or damaged. White mold is becoming more of a widespread problem, there were reports of fields sprayed for aphids. Field Crops Report: Corn 81% acreage in or past dough stage, 2003 82%, 87% 5-yr avg dough stage, 39% acreage in or past dent stage, 2003 51%, 59% 5-yr avg dent, 2% mature, condition 2% very poor, 6% poor, 19% fair, 52% good, 21% excellent. Soybean 99% acreage setting pods, 10% acreage with leaves turning color, 12% 2003 5-yr avg for both, 1% acreage dropping leaves, condition 2% very poor, 7% poor, 23% fair, 50% good, 18% excellent. Alfalfa hay 3rd cutting complete 72%, slightly behind 2003 75% 5-yr avg 67% complete. Hay condition 1% very poor, 3% poor, 24% fair, 54% good, 18% excellent. Livestock, Pasture, Range Report: Livestock conditions were generally good especially where temperatures remained cool. Pasture, range feed 3% very poor, 8% poor, 24% fair, 50% good, 15% excellent.

KANSAS: Days suitable for fieldwork 5.6. Topsoil 3% very short, 29% short, 64% adequate, 4% surplus. Subsoil 11% very short, 27% short, 61% adequate, 1% surplus. Cooler than normal temperatures are slowing crop progress in much of the State. Sunflowers 84% blooming, 95% 2003, 97% avg. Alfalfa 4th cutting 46%, 25% 2003, 44% avg. Range, pasture feeds 6% very poor, 16% poor, 31% fair, 39% good, 8% excellent. Feed grain supplies 3% very short, 11% short, 81% adequate, 5% surplus. Hay and forage supplies 2% very short, 9% short, 76% adequate, 13% surplus. Stock water supplies 2% very short, 12% short, 85% adequate, 1% surplus.

KENTUCKY: Days suitable fieldwork 4.6. Topsoil 1% very short, 14% short, 73% adequate, 12% surplus. Subsoil 1% very short, 15% short, 75% adequate, 9% surplus. Above average temperatures, precipitation was the story for most of the State. Harvesting corn, tobacco continued between showers. Yields look good. Pastures, double-crop soybeans continue to make good growth due to showers. Burley cut 54%, 32% 2003, 46% avg. Dark tobacco cut 47%. Cut tobacco quality good, but weighed a little light. Condition of tobacco in field 2% very poor, 8% poor, 21% fair, 49% good, 20% excellent. Hay condition 1% very poor, 4% poor, 20% fair, 52% good, 23% excellent. Pasture feed 1% very poor, 5% poor, 20% fair, 55% good, 19% excellent

LOUISIANA: Days suitable for fieldwork 5.4. Soil 19% very short, 34% short, 41% adequate, 6% surplus. High temperatures continued to deplete soil moisture. Scattered showers were received across the state but did not improve crop conditions. Corn 80% harvested, 69% last week, 60% 2003, 79% avg. Hay 2nd cutting 90%, 83% last week, 94%

2003, 84% avg. Rice 92% ripe, 84% last week, 92% 2003, 92% avg. Sorghum 69% harvested, 59% last week, 54% 2003, 60% avg. Soybeans 54% turning color, 47% last week, 42% 2003, 48% avg.; 23% harvested, 12% last week, 6% 2003, 5% avg. Sugarcane 7% poor, 32% fair, 42% good, 19% excellent; 60% planted, 32% last week, 50% 2003, 53% avg. Sweet potatoes 3% harvested, 1% last week, 13% 2003, 13% avg. Livestock 5% poor, 29% fair, 56% good, 10% excellent. Vegetable 12% very poor, 20% poor, 42% fair, 22% good, 4% excellent.

MARYLAND: Days suitable for fieldwork 6.80. Topsoil 2% very short, 14% short, 79% adequate, 5% surplus. Subsoil 2% very short, 5% short, 88% adequate, 5% surplus. Field corn condition 2% very poor, 3% poor, 16% fair, 35% good, 44% excellent; 93% dough, 66% 2003, 78% avg.; 71% dent, 32% 2003, 49% avg.; 23% mature, 3% 2003, 23% avg. Soybean condition 5% poor, 18% fair, 47% good, 30% excellent; 95% blooming, 70% 2003, 88% avg.; 86% setting pods, 45% 2003, 72% avg. Sorghum condition 70% good, 30% excellent; 98% headed, 75% 2003, 90% avg.; 20% coloring, 0% 2003, 15% avg. Pasture feed 2% very poor, 4% poor, 23% fair, 43% good, 28% excellent. Tobacco condition 15% fair, 50% good, 35% excellent; 95% topped, 58% 2003, 84% avg.; 45% harvested, 12% 2003, 40% avg. Other hay 3rd cutting 64%, 33% 2003, 53% avg.; 4th cutting 8%, 2% 2003, 9% avg. Alfalfa hay 3rd cutting 86%, 71% 2003, 81% avg.; 4th cutting 24%, 5% 2003, 29% avg. Apple condition 5% poor, 23% fair, 60% good, 12% excellent; 29% harvested, 11% 2003, 20% avg. Peaches 82% harvested, 80% 2003, 87% avg. Watermelons 80% harvested, 73% 2003, 75% avg. Cucumbers 73% harvested, 61% 2003, 76% avg. Lima beans 63% for processing harvested, 23% 2003, 39% avg. Snap beans 92% harvested, 76% 2003, 78% avg. Sweet corn 98% harvested, 84% 2003, 84% avg. Potatoes 83% harvested, 74% 2003, 93% avg. Tomatoes 75% harvested, 67% 2003, 75% avg. Cantaloups 81% harvested, 73% 2003, 82% avg. Corn silage 37% harvested, 8% 2003, 24% avg. Hay supplies 6% very short, 15% short, 76% adequate, 3% surplus. State farmers received lots of sunshine, little precipitation last week advancing corn for silage harvest from 21% to 37% complete. A few farmers started to harvest early-season corn for grain. Soybeans are progressing well with a few fields beginning to turn color. Last week was a great week to cut, bale hay. Third cutting alfalfa hay is almost complete. Tobacco harvest is running above normal with 45% complete, 12% above last year. Vegetable harvest is progress well. Downy mildew has affected cucumbers and melons.

MICHIGAN: Days suitable for fieldwork 5. Subsoil 5% very short, 35% short, 58% adequate, 2% surplus. Corn 93% silked, 100% 2003, 100% avg. Soybeans 95% blooming, 100% 2003, 99% avg.; 3% turning, 4% 2003, 11% avg. Potatoes 13% harvested. All hay 3% very poor, 14% poor, 32% fair, 40% good, 11% excellent. 2nd cutting hay 85%, 95% 2003, 93% avg.; 3rd cutting hay 35%, 39% 2003, 39% avg. Dry beans 4% very poor, 22% poor, 34% fair, 34% good, 6% excellent; 99% setting pods, 99% 2003, 97% avg.; 32% turning, 45% 2003, 42% avg. Blueberries 92% harvested, 91% 2003. Rain, along with warmer temperatures across most of State, helped crop progress in most areas. Average temperatures for week ranged from 2° above normal southeast Lower Peninsula to 2° below normal Upper Peninsula. Precipitation amounts ranged from 0.93 inches northeast Lower Peninsula to 2.35 inches southwest Lower Peninsula. Temperatures averaged above normal across State with rainfall most areas. Soil moisture levels increased due to rainfall, which kept some field crops from being stressed from lack of moisture. Rainfall some areas delayed hay harvest. Second cutting wrapping up some areas. Third cutting harvest progressed nicely. Corn showed some damage from earlier frost northern state. Warm days needed for progression of crop. Corn fields continued to be variable. The soybean crop continued to advance slowly with good color, but soybean plants reported to be short some areas. Dry beans looked good but behind schedule. Oat harvest continued. Barley harvest underway. Southwest apple growers finished harvesting Paula Red, Ginger Gold. Growers continued color picking Gala, Macintosh, harvesting Honey Crisp. In southeast, apples sized very well. Growers picking Gingergold, Mollies Delicious. Color exceptional all apple varieties, size continued to look very good. In northwest, second generation codling moth emergence continued. Blueberry growers continued to pick Elliots away from Lake Michigan. Growers close to Lake picked earlier varieties. Many growers had finished for season. In southeast, harvest completed, with excellent crop this year. In southwest, peach harvest neared completion. Size excellent. Peach harvest slowed southeast. In northwest, peach harvest continued. Harvest of fresh market peaches continued west central. The

crop looked good. In Grapes, veraison ended southwest. Color well developed most vineyards. In southeast, grapes continued to color nicely. Japanese beetle remained a major pest. In northwest, relatively cool weather kept fruit development well behind normal. Powdery mildew increased severity and became a significant problem many vineyards. Pear and plum harvest continued southwest. In southeast, harvest of pears and plums began. Growers continued to harvest a wide variety of crops across State. Finally, above normal temperatures recorded to help advance maturity of vegetables. Potato digging continued several districts. Harvest volume picking up. Sweet corn harvest continued statewide. Processing tomato harvest going strong southeast. Fresh market picking continued. Snap bean harvest continued west central. Carrot harvest full swing west central and progressed southeast. Celery harvest moved along on schedule near midpoint of harvest. Pepper harvest continued west central and southern districts. Cucumber and zucchini harvest moved along. Growers continued to report pollination problems vine crops. Watermelon harvest volume picked up southwest.

MINNESOTA: Days suitable for fieldwork 4.8. Topsoil 3% very short, 16% short, 75% adequate, 6% surplus. Corn 90% milk, 98% 2003, 98% avg.; 3% silage cut, 15% 2003, 7% avg. Soybeans 10% turning yellow, 28% 2003, 22% avg. Canola 20% harvested, 64% 2003, 40% avg. Potatoes 31% harvested, 31% 2003, 15% avg. Sweet corn 45% harvested, 58% 2003, 62% avg. Pasture feed 2% very poor, 13% poor, 37% fair, 42% good, 6% excellent. Sugarbeets 1% very poor, 3% poor, 23% fair, 59% good, 14% excellent. Barley 2% very poor, 20% poor, 32% fair, 35% good, 11% excellent. Dry Beans 20% very poor, 25% poor, 33% fair, 20% good, 2% excellent. Canola 5% very poor, 28% poor, 45% fair, 18% good, 4% excellent. Potatoes 0% very poor, 2% poor, 29% fair, 61% good, 8% excellent. Sunflowers 10% very poor, 25% poor, 42% fair, 21% good, 2% excellent. Cool temperatures were recorded across the state this past week as farmers are assessing the impact to crops due to last weeks frost. Producers are reporting that warm, dry temperatures are needed throughout the month of September to push crops to maturity.

MISSISSIPPI: Days suitable for fieldwork 4.1. Soil 1% very short, 14% short, 75% adequate, 10% surplus. Corn 99% dent, 99% 2003, 99% avg.; 97% mature, 84% 2003, 90% avg.; 56% harvested, 35% 2003, 50% avg.; 98% silage harvested, 99% 2003, 94% avg.; 1% very poor, 3% poor, 16% fair, 47% good, 33% excellent. Cotton 100% setting bolls, 99% 2003, 100% avg.; 39% open bolls, 38% 2003, 59% avg.; 2% very poor, 7% poor, 23% fair, 48% good, 20% excellent. Rice 100% heading, 99% 2003, 97% avg.; 60% mature, 44% 2003, 48% avg.; 11% harvested, 12% 2003, 9% avg.; 1% poor, 11% fair, 57% good, 31% excellent. Sorghum 100% turning color, 99% 2003, 99% avg.; 90% mature, 82% 2003, 85% avg.; 45% harvested, 29% 2003, 40% avg.; 1% poor, 17% fair, 68% good, 14% excellent. Soybeans 100% setting pods, 100% 2003, 100% avg.; 78% turning color, 58% 2003, 58% avg.; 62% shedding leaves, 41% 2003, 41% avg.; 38% harvested, 22% 2003, 14% avg.; 1% very poor, 4% poor, 13% fair, 47% good, 35% excellent. Hay 76% harvested (Warm Season), 86% 2003, 83% avg.; 5% very poor, 18% poor, 25% fair, 40% good, 12% excellent. Sweetpotatoes 1% very poor, 8% poor, 37% fair, 44% good, 10% excellent. Cattle 3% very poor, 7% poor, 16% fair, 57% good, 17% excellent. Pasture 4% very poor, 10% poor, 19% fair, 54% good, 13% excellent. Harvesting activities were hampered by the precipitation that arrived in the state over the weekend. Warmer temperatures have helped cotton growth, farmers are hoping for decent returns once harvesting begins in a few weeks. Warm season forages continue to be harvested with seed bed preparation for winter forages already taking place.

MISSOURI: Days suitable for fieldwork 2.3. Topsoil 1% very short, 7% short, 67% adequate, 25% surplus. Subsoil 1% very short, 12% short, 79% adequate, 8% surplus. Heavy rains of the past week caused some flooding in low-lying fields of north-central, northeastern counties but condition of crops is showing little change on a Statewide basis, with the benefits of additional moisture for late crops approximately compensating for flood damage. Corn development ranges from 69% dented, 17% mature in the northeast district to 100% dented, 91% mature in the southeast. Corn harvesting is still mostly limited to the southeast district where 19% is out of the field. Soybean podding varies from 84% in the southwest district to 89% or more in all other districts. Although podding is 4 days ahead of normal, the process of coloring, dropping leaves is held to a normal pace by the cool, wet weather. Sorghum turning color varies from about 45% in central, south-central districts to 77% or more in the northwest, southeast districts. Alfalfa hay 3rd cutting 84%, 82%

2003, 83% avg. Pastures 1% very poor, 4% poor, 21% fair, 61% good, 13% excellent, reflecting the result of the plentiful moisture supply. Rainfall averaged 3.40 inch, ranging from 0.62 inch in the southwest district to 5.79 inches in the north-central district, 6.24 inches in the southeast. Many northern counties received over 5 inches and Sullivan, Marion and Ralls received over 8 inches.

MONTANA: Days suitable for fieldwork 4.0. Topsoil condition 21% very short, 32% short, 41% adequate, 6% surplus 2003 78% very short, 20% short, 2% adequate, no surplus. Subsoil 35% very short, 39% short, 25% adequate, 1% surplus, 2003 70% very short, 25% short, 5% adequate, no surplus. The state experienced cooler temperatures, above normal precipitation throughout the State for the week ending August 29th, 2004. Winter wheat progress 95% harvested, 2003. Spring wheat 83% ripe, 49% harvested, 2003 98%, and 88%, condition 7% very poor, 13% poor, 29% fair, 45% good, 6% excellent. Durum wheat 71% turning color, 36% ripe, 13% harvested, 2003 93%, 83%, and 73%, respectively, condition 7% very poor, 17% poor, 20% fair, 43% good, 13% excellent. Barley 91% ripe, 61% harvested, 2003 97% and 88%, respectively. Oats 85% ripe, 47% harvested, 2003 96%, and 84%, respectively, condition 8% very poor, 13% poor, 36% fair, 34% good, 9% excellent. Sugar beets condition 13% very poor, 15% poor, 32% fair, 35% good, 5% excellent. Corn harvested for silage is underway and is 9% complete. Corn condition 7% very poor, 18% poor, 36% fair, 34% good, 5% excellent, which is behind the five-year average of 1% very poor, 5% poor, 25% fair, 52% good, and 17% excellent. Dry bean condition 0% very poor, 10% poor, 33% fair, 54% good, 3% excellent, compared to the five-year average at 2% very poor, 8% poor, 42% fair, 41% good and 7% excellent. Potatoes condition is 0% very poor, 0% poor, 6% fair, 42% good, and 52% excellent. Alfalfa and other hay second cuttings are 73% and 52% complete, respectively. Range and pasture feed condition is rated 20% very poor, 21% poor, 37% fair, 19% good, and 3% excellent, compared to the five-year average at 28% very poor, 29% poor, 28% fair, 13% good, and 2% excellent. Movement of cattle & calves from summer ranges is currently 2% compared to last year at 5%. Movement of sheep & lambs from summer ranges is currently 2% compared to last year at 7%.

NEBRASKA: Days suitable for fieldwork 6.1. Topsoil 29% very short, 43% short, 28% adequate, 0% surplus. Subsoil 41% very short, 39% short, 20% adequate, 0% surplus. Temperatures for the week averaged from 5 degrees below normals to 3^o above normals. Precipitation was statewide with many reporting stations in the southeast, mid section of the state reporting amounts near or above one inch. Dryland conditions of corn, soybeans, sorghum moved lower, but continue above last year, average. Alfalfa condition 10% very poor, 18% poor, 29% fair, 33% good and 10% excellent; 3rd cutting 82%, 83% 2003, 84% avg.; 4th cutting 2%, 4% 2003, 5% avg. The first fields of dry beans, proso millet were being harvested and fall wheat seeding was just getting underway.

NEVADA: Much colder weather prevailed during the week with average temperatures 10 or more degrees below normal midweek. Night time temperatures dropped to freezing in some higher eastern state higher elevations. A few mild thunderstorms passed through the North, but precipitation was minimal. Third cutting of alfalfa hay resumed in northern valleys. Spotty rains fell on a few cut fields. Timothy hay harvest was underway in Diamond Valley. Alfalfa seed harvest was well along in Lovelock. Mint distillation was underway in Orovada. Corn silage cutting began. Potato, onion fields were in good to excellent condition. Weed, insect control was active, field preparation for Fall seeding continued. Rains the previous week helped range conditions East but central ranges were showing seasonal decline. Some cattle were moved off Summer range, some yearlings were marketed. Activities: Haying, alfalfa seed harvest, corn silage cutting, cultivating, field spraying, irrigating, moving livestock.

NEW ENGLAND: Days suitable for field work 6.1. Topsoil 9% short, 71% adequate, 20% surplus. Subsoil 8% short, 77% adequate, 15% surplus. Pasture feed 11% poor, 23% fair, 45% good, 21% excellent. Maine Potatoes 5% harvested, 5% 2003, 5% avg.; condition fair/good. Rhode Island Potatoes 45% harvested, 50% 2003, 45% avg.; condition good/excellent. Massachusetts Potatoes 30% harvested, 25% 2003, 30% avg.; condition good. Maine Oats 20% harvested, 30% 2003, 30% avg.; condition good/excellent. Maine Barley 40% harvested, 60% 2003, 45% avg.; condition fair/good. Field Corn condition good/fair. Sweet Corn

65% harvested, 70% 2003, 65% avg.; condition good/excellent. Shade tobacco 80% harvested, 85% 2003, 90% avg.; condition good. Broadleaf tobacco 70% harvested, 85% 2003, 90% avg.; condition good. Hay 1st crop harvested 95%, 99% 2003, 100% avg.; 2nd harvested 80%, 85% 2003, 80% avg.; condition good/fair; 3rd harvested 20%, 35% 2003, 40% avg.; condition good/excellent. Apples 10% harvested, 15% 2003, 10% avg.; condition good/fair. Peaches 75% harvested, 65% 2003, 65% avg.; condition good/fair. Pears 5% harvested, 10% 2003, 15% avg.; condition poor/good. Massachusetts Cranberries set avg./above avg.; condition good/fair. Highbush Blueberries 90% harvested, 90% 2003, 90% avg. Maine Wild Blueberries 90% harvested, 95% 2003, 90% avg.; condition good. A week of warm temperatures with plenty of sunshine finally arrived for farmers to work the fields. Activities Included: Mowing orchards; pruning trees; spreading manure; monitoring fields; applying pesticides; cutting, baling hay; cultivating, weeding renovated strawberry beds; harvesting apples, peaches, pears, highbush, wild blueberries, potatoes, sweet corn, other vegetables, barley, oats, broadleaf and shade tobacco.

NEW JERSEY: Days suitable for field work 6.6. Soil 25% short, 75% adequate. Temperatures across most of the state were below normal the beginning of the week, rising to above normal by the end of the week. Fieldwork included baling hay, harvesting corn silage, vegetable harvesting, picking fruit, planting vegetables for fall harvest, and pruning. There was a report in the central district that soybean pods seemed slow to fill, the plants were lodging because of height. It was also reported there were soybean aphids detected in some fields, along with grasshopper activity. Disease problems were reported, including downy mildew, in pumpkin fields. In some tomato fields in the northern, central districts, fruit displayed cracking due to weather conditions. The fall cucumber crop was ready for harvest in the southern district. Potato harvest continued across the state. Peach harvest continued. Weather conditions were favorable for milk production. Pasture feeds were rated fair to good across the state

NEW MEXICO: Days suitable for fieldwork 7. Topsoil 10% very short, 35% short, 47% adequate, 8% surplus. Most of the state experienced a dry week with temperatures normal to a few degrees below normal. About half the reporting stations measured some precipitation from hit, miss showers and thunderstorms, but all amounts were less than half an inch. Greatest totals included .35 inches at Raton, .26" at Carlsbad and .22" at River. Farmers were busy with harvest preparations, irrigating, cutting hay, and harvesting chile and potatoes. General crop conditions had little affect by wind with 13% light, 5% moderate damage reported. Some hail damage occurred with 1% light, 6% moderate reported. Alfalfa was mostly fair to excellent with 89% of the 4th cutting complete, 37% of the 5th complete. Cotton conditions improved from moisture received earlier in the month, conditions 29% fair, 45% good, 26% excellent. Bolls opening 10% as bolls setting neared completion. Corn conditions were stable with 60% of the crop denting, 17% of the crop matured. Corn silage harvest was well underway with 29% of the crop harvested, above average yields being reported. Sorghum conditions were mostly fair to good with reports indicating 65% of the crop headed, 11% coloring, 2% matured. Peanuts 38% fair, 48% good, 14% excellent. Overall the chile crop has responded well to previous moisture, very good crops were expected with 64% of green chile harvested. Fall lettuce planting progress was at 90% complete. Ranchers spent the week upgrading pipelines, drinkers, and maintaining herds. Cattle conditions remained steady with reports showing 1% very poor, 12% poor, 28% fair, 44% good, 15% excellent. Sheep conditions improved slightly with 4% very poor, 13% poor, 46% fair, 33% good, 4% excellent. Reports indicated a slight decline in range and pasture feeds with 10% very poor, 22% poor, 34% fair, 26% good, and 8% excellent.

NEW YORK: Days suitable for fieldwork 4.8. Soil 56% adequate, 41% surplus. Pasture feeds 5% poor, 20% fair, 59% good, 16% excellent. Drier weather allowed fieldwork to resume. Alfalfa 2nd cutting complete 80%. Corn condition 9% poor, 20% fair, 41% good, 30% excellent. Oats for grain 75% harvested. Potatoes 53% dug. Wheat is nearly 100% harvested. Soybean condition 6% poor, 17% fair, 63% good, 14% excellent. Apples 3% poor, 10% fair, 62% good, 25% excellent. Early apple varieties were being harvested. Grapes 45% poor, 45% fair, 10% good. Pears 3% poor, 20% fair, 57% good, 20% excellent; 62% harvested. Peaches 37% poor, 58% fair, 5% good; 70% harvested. Sweet cherry, tart cherry harvest were near completion. Vegetable crops continue to be adversely affected by excessive moisture. Wetness

continued to hinder harvest activities. Higher temperatures, humidity across much of the state have added some stress to livestock.

NORTH CAROLINA: Days suitable for field work 5.9. Soil 0% very short, 6% short, 72% adequate, 22% surplus. Activities Included: Harvesting flue-cured, burley tobacco, corn for grain, silage, peaches, apples, spraying for disease, pest control. A dry, warm week prevailed for state farmers. There were small amounts of precipitation with temperatures close to normal as higher temperatures, humid conditions dominated the latter part of the week. Eastern counties reported corn blown over, tobacco leaf damage, soybean deterioration from Hurricane Charley the previous week. Corn is harvestable where damaged, but progress is slow.

NORTH DAKOTA: Days suitable for fieldwork 4.1. Topsoil 15% very short, 24% short, 57% adequate, 4% surplus. Subsoil 19% very short, 23% short, 54% adequate, 4% surplus. Combines stood at the ready as cool, damp weather continued to restrain wheat harvest, late season crop development. Wheat harvest, late development stages for corn, soybeans, sunflowers were one, one half to two weeks behind the average (1999-2003). Durum wheat 67% turning or beyond, 99% 2003, 95% average; 20% combined, 72% 2003, 41% average. Canola 91% turning or beyond, 100% 2003, 99% avg.; 72% swathed or beyond, 97% 2003, 91% avg.; 16% combined, 69% 2003, 49% avg. Corn for Silage 5% chopped, 21% 2003, 7% average. Dry Edible Beans 56% fully podded or beyond, 88% 2003, 88% avg.; 8% lower leaves yellowing or beyond, 66% 2003, 62% average. Flaxseed 82% turning or beyond, 98% 2003, 92% average; 8% combined, 43% 2003, 29% average. Potatoes 24% had vines killed or beyond, 44% 2003, 38% avg.; Soybeans 9% lower leaves yellowing or beyond, 29% 2003, 29% avg. Sunflower 92% blooming or beyond, 100% 2003, 99% avg.; 18% ray flowers dried/dropped or beyond, 69% 2003, 55% avg.; 2% bracts turned yellow or beyond, 25% 2003, 18% average. Emerged crop conditions ratings: Canola 3% very poor, 8% poor, 28% fair, 47% good, 14% excellent; Durum wheat 2% very poor, 6% poor, 29% fair, 48% good, 15% excellent. Dry edible beans 17% very poor, 20% poor, 37% fair, 24% good, 2% excellent. Flax 1% very poor, 5% poor, 25% fair, 59% good, 10% excellent. Potatoes 3% very poor, 7% poor, 28% fair, 47% good, 15% excellent. Sugarbeets 1% very poor, 4% poor, 22% fair, 58% good, 15% excellent; Sunflower 2% very poor, 11% poor, 38% fair, 43% good, 6% excellent. Alfalfa 2nd cutting complete 89%, 94% of all other hay had been baled. Stockwater supplies 9% very short, 22% short, 67% adequate, 2% surplus. Range and pasture conditions 22% very poor, 18% poor, 30% fair, 27% good, 3% excellent.

OHIO: Days suitable for field work 4.7. Topsoil 1% very short, 14% short, 75% adequate, 10% surplus. Alfalfa hay 2nd cutting complete 96%, 98% 2003, 100% avg.; 3rd cutting complete 54%, 50% 2003, 71% avg.; 4th cutting complete 6%, 4% 2003, 14% avg. Apples 4% harvested (fall), 2% 2003, 3% avg.; 84% harvested (summer), 94% 2003, 87% avg. Corn 91% dough, 82% 2003, 86% avg.; 49% dented, 27% 2003, 41% avg.; 3% mature, 4% avg.; 6% silage harvested, 6% 2003, 12% avg. Cucumbers 61% harvested, 68% 2003, 78% avg. Grapes 11% harvested, 1% 2003, 2% avg. Oats 97% harvested, 99% 2003, 100% avg. Other hay 2nd cutting complete 86%, 85% 2003, 91% avg.; 3rd cutting complete 27%, 24% 2003, 37% avg. Peaches 88% harvested, 85% 2003, 83% avg. Potatoes 47% harvested, 39% 2003, 45% avg. Processing tomatoes 23% harvested, 8% 2003, 22% avg. Soybeans 97% setting pods, 95% 2003, 97% avg.; 5% dropping leaves, 1% 2003, 8% avg. Corn conditions 4% very poor, 10% poor, 26% fair, 44% good, 16% excellent. Hay conditions 2% very poor, 8% poor, 31% fair, 48% good, 11% excellent. Pasture feeds 1% very poor, 6% poor, 27% fair, 56% good, 10% excellent. Soybean conditions 5% very poor, 10% poor, 28% fair, 44% good, 13% excellent. Temperatures warmed up this past week bringing afternoon showers across much of the state. Throughout the week many farmers baled hay, while others prepared grain harvesting, storage equipment for fall. Producers chopped corn for silage, dug potatoes, harvested oats. Wheat growers continue preparing fields for fall planting.

OKLAHOMA: Days suitable for fieldwork 6.1. Topsoil 4% very short, 21% short, 73% adequate, 2% surplus. Subsoil 6% very short, 19% short, 73% adequate, 2% surplus. Wheat 64% seedbed prepared, 42% last week, 49% 2003, 55% avg.; 3% planted, n/a last week, 1% 2003, 2%

avg. Oats 45% seedbed prepared, 36% last week, 37% 2003, 46% avg. Corn 1% poor, 12% fair, 30% good, 57% excellent; 98% dough, 90% last week, 97% 2003, 97% avg.; 45% mature, 37% last week, 45% 2003, 45% avg.; 21% harvested, 5% last week, 27% 2003, 23% avg. Sorghum 3% harvested, 1% last week, 7% 2003, 7% avg. Soybeans 1% poor, 28% fair, 54% good, 17% excellent; 90% blooming, 83% last week, 92% last year, 90% avg; 79% setting pods, 71% last week, 79% 2003, 77% avg.; 13% mature, n/a last week, 16% 2003, 21% avg.; 2% harvested, n/a last week, 5% 2003, 6% avg. Rye 56% seedbed prepared, n/a last week, n/a 2003, n/a avg, 5% planted, n/a last week, n/a 2003, n/a avg. Peanuts 99% setting pods, 92% last week, 99% 2003, 97% avg.; 32% mature, 10% last week, 32% 2003, 17% avg. Cotton 98% setting bolls, 93% last week, 94% 2003, 97% avg. Alfalfa Hay 1% poor, 22% fair, 58% good, 19% excellent; 85% 4th cutting, 69% last week, 48% 2003, 54% avg.; 23% 5th cutting, 11% last week, n/a 2003, n/a avg; Other Hay 2% poor, 27% fair, 55% good, 16% excellent; 75% 2nd cutting, 72% last week, 68% 2003, 65% avg. Watermelons 97% harvested, 96% last week, 98% 2003, 97% avg. Livestock 1% poor, 13% fair, 56% good, 30% excellent. Pasture, Range 1% very poor, 2% poor, 17% fair, 57% good, 23% excellent. Livestock: Livestock conditions were good to excellent with very strong markets. Livestock insect activity was mostly moderate, death loss of cattle was light. The market was still strong for cattle. Feeder steers dropped in price this week by fifty-five cents down to \$120.91. Feeder heifers also dropped this week to \$113.87.

OREGON: Days suitable for fieldwork: 4.6. Topsoil 6% very short, 36% short, 58% adequate. Subsoil 21% very short, 40% short, 39% adequate. Barley 82% harvested, 72% previous week, 92% 2003, 78% 5 yr avg. Winter wheat 96% harvested, 92% previous week, 100% 2003, 98% 5-yr avg. Spring wheat 87% harvested, 79% previous week, 94% 2003, 92% 5-yr avg. Range, Pasture 1% very poor, 18% poor, 36% fair, 39% good, 6% excellent. Activities: Weather in the state last week featured much-needed precipitation, cooler temperatures. Rainfall put a stop to many field activities but helped replenish surface water in many areas. Precipitation significant in some areas, less than significant in others. Some fires in Wallowa County suppressed by rain. High temperatures mostly in eighties, except along coastal areas with high temperatures in seventies. Highest number of growing degree days (base 50) for week was in Medford, with 135. Rain, cooler temperatures early in week slowed harvest progress across much of the state. Wheat producers, especially in northeast, concerned that sprout damage may occur. Statewide, winter wheat harvest nearly complete, with 96% of crop harvested as of August 29. Alfalfa, other hay harvest also delayed last week by wet weather. Fall tillage, preparation for fall seeding continued in many areas. Rain benefitted most vegetable crops. Harvest continued for tomatoes, sweet corn, melons, squash throughout the state. Truck gardens doing well in Josephine County. Growers began to harvest processing sweet corn in Washington County. Although delayed several days, onion harvest fully underway in Malheur County by week's end. Klamath County farmers rolling potato vines in preparation for harvest. Pear harvest continued in Hood River, Clackamas, Washington, Wasco, Jackson counties. Early apples picked throughout Willamette Valley, in Wasco County. Some evergreen blackberries, blueberries still available. Washington County hazelnuts beginning to fall. More eastern filbert blight found in Linn, Lane counties. Peach harvest continued in Yamhill County. Some southern coast cranberry growers reported damage from larval feeding of cranberry girdler insects. As end of season nears, many greenhouses, nurseries began preparations for next year. Most nursery crops stood to benefit from precipitation; however, Easter lily growers in Coos, Curry counties adjusted their fieldwork activities due to rain. Both greenhouses, nurseries rotated large shrubs. Rain showers over past two weeks improved dryland range conditions across the state. Some dryland pastures in western State started to show some regrowth. Some rangeland, pastures in northeast areas in State still reported as dry, however. Livestock reported as mostly good across the state.

PENNSYLVANIA: Days suitable for field work 6.0. Soil 2% short, 76% adequate, 22% surplus. Fall plowing 12% complete, 8% 2003, 14% avg. Corn 79% dough, 63% 2003, 71% avg.; 44% dent, 18% 2003, 36% avg.; 8% mature, 2% 2003, 6% avg.; 16% silage harvested, 5% 2003, 16% avg.; condition 1% very poor, 2% poor, 10% fair, 41% good, 46% excellent. Oats 99% ripe, 99% 2003, 98% avg.; 95% harvested, 90% 2003, 92% avg. Soybean condition 1% poor, 7% fair, 52% good, 40% excellent. Tobacco 72% harvested, 14% 2003, 25% avg. Potatoes 23% harvested, 18% 2003, 23% avg. Alfalfa 2nd cutting complete 95%, 92% 2003, 94% avg.; 3rd cutting complete 65% , 58% 2003, 69% avg.; 4th

cutting complete 12%, 17% 2003, 25% avg. Alfalfa condition 1% very poor, 3% poor, 19% fair, 62% good, 15% excellent. Timothy clover 2nd cutting complete 66% , 66% 2003, 70% avg. Peaches 82% harvested, 75% 2003, 83% avg. Apple condition 19% fair, 51% good, 30% excellent; 35% harvested, 27% 2003, 25% avg. Grapes 17% harvested, 1% 2003, 5% avg. Quality of hay made 2% very poor, 9% poor, 29% fair, 52% good, 8% excellent. Pasture feeds 4% very poor, 6% poor, 22% fair, 55% good, 13% excellent. Activities Included: Baling hay; spreading manure; applying herbicides, pesticides; picking fruit; harvesting oats, tobacco, silage; preparing equipment for fall seeding and harvest.

SOUTH CAROLINA: Days suitable for field work 5.5. Soil 2% very short, 21% short, 51% adequate, 26% surplus. Corn 96% matured, 97% 2003, 97% avg.; 47% harvested, 28% 2003, 49% avg. ; 3% very poor, 7% poor, 23% fair, 54% good, 13% excellent. Peanuts 98% pegged, 100% 2003, 99% avg.; 3% poor, 39% fair, 49% good, 9% excellent. Sorghum 84% turned color, 82% 2003, 82% avg.; 51% matured, 43% 2003, 48% avg.; 18% harvested, 14% 2003, 21% avg.; 19% fair, 77% good, 4% excellent. Cotton 97% setting bolls, 94% 2003, 94% avg.; 20% open bolls, 13% 2003, 19% avg.; 3% poor, 19% fair, 71% good, 7% excellent. Pastures 1% very poor, 7% poor, 24% fair, 63% good, 5% excellent. Soybeans 97% bloomed, 94% 2003, 91% avg.; 75% setting pods, 64% 2003, 60% avg.; 13% leaves turning color, 10% 2003, 10% avg.; 1% leaves dropped, 0% 2003, 1% avg.; 3% poor, 19% fair, 63% good, 15% excellent. Tobacco 90% harvested, 84% 2003, 83% avg.; 43% stalks destroyed, 29% 2003, 38% avg.; 11% poor, 29% fair, 48% good, 12% excellent. Other hay 97% harvested, 94% 2003, 94% avg.; 6% poor, 39% fair, 49% good, 6% excellent. Peaches 88% harvested, 91% 2003, 94% avg.; 2% very poor, 2% poor, 9% fair, 39% good, 48% excellent. Apples 25% harvested, 19% 2003, 21% avg.; 53% fair, 47% good. Watermelons 100% harvested, 100% 2003, 100% avg. Livestock 2% poor, 21% fair, 61% good, 16% excellent. Winter Grazing 6% planted, 4% 2003, 3% avg.

SOUTH DAKOTA: Days suitable for fieldwork 6.0. Topsoil 22% very short, 34% short, 43% adequate, 1% surplus. Subsoil 27% very short, 25% short, 47% adequate, 1% surplus. Feed supplies 11% very short, 22% short, 62% adequate, 5% surplus. Stock water supplies 25% very short, 26% short, 49% adequate. Winter wheat 3% seeded, 3% 2003, 2% avg. Soybeans 0% mature, 2% 2003, 1% avg. Sunflower 8% very poor, 11% poor, 36% fair, 38% good, 7% excellent; 95% blooming, 95% 2003, 96% avg. ; ray flowers dry 19%, 51% 2003, 54% avg.; bracts yellow 6%, 29% 2003, 31% avg.; 0% mature, 2% 2003, 2% avg. Cattle condition 3% poor, 19% fair, 60% good, 18% excellent. Sheep condition 1% poor, 12% fair, 63% good, 24% excellent. Range, Pasture 14% very poor, 23% poor, 36% fair, 22% good, 5% excellent. Corn 6% silage harvested, 18% 2003, 14% avg. Sorghum silage 14% harvested, 28% 2003, 18% avg. Alfalfa hay 14% very poor, 14% poor, 30% fair, 34% good, 8% excellent; 3rd cutting harvested 50%, 55% 2003, 49% avg. Other hay harvested 96%, 99% 2003, 96% avg. Another cool week has caused crop maturity to remain behind normal in several areas. Some producers received beneficial precipitation, while reports of frost damage have been received from scattered areas of the state. Progress continues on the small-grain harvest, which is nearing completion. Corn and sorghum silage harvest continues in drier parts of the state.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 8% short, 81% adequate, 11% surplus. Subsoil 15% short, 79% adequate, 6% surplus. Corn silage 69% harvested, 60% 2003, 69% avg. Tobacco 91% topped, 90% 2003, 92% avg; 2% very poor, 6% poor, 23% fair, 52% good, 17% excellent. Burley 45% harvested, 40% 2003, 44% avg.; Dark air-cured 56% harvested, 51% 2003, 54% avg.; Dark fire-cured 45% harvested, 41% 2003, 50% avg. Pastures 6% poor, 17% fair, 62% good, 15% excellent. The State experienced thunderstorms throughout the past week hampering most activities. Many farmers welcomed the rain, however, as their crops, pastures were beginning to need moisture. Activities Included: Tobacco topping and harvest, corn for grain harvest, cutting hay, beginning land preparation for seeding fall forages. Temperatures averaged above normal across the State, while rainfall averaged above normal in the western part of the State and slightly below average elsewhere

TEXAS: Agricultural Summary: Statewide, conditions were dry in the middle of the week except for a few isolated light showers. Late in the

week, a cold front entered the southern Plains, moved in a southeastern direction bringing scattered rainfall to areas east of a line from Del Rio to Wichita Falls. Heaviest rainfall was reported in parts of the Edwards Plateau, South Central State around the San Antonio area, in South State around the Laredo area. The drier conditions in the Plains provided some needed heat units for cotton, allowed producers to cut silage, bale hay, plow, plant wheat for early grazing. In the Lower Rio Grande Valley, irrigation was active on sugarcane, citrus, cotton harvesting progressed well with dry weather. In South East State, corn, soybean harvest was underway. Small Grains: Land preparations continued except in a few areas slowed by the rain at the beginning and end of the week. In the High Plains, more producers started planting wheat for early grazing, continued land preparations. Corn: Harvest was completed in most of South State, through South Central State, into the Upper Coast. Harvest in Central State, the Edwards Plateau experienced some delays from rain, but otherwise made good progress. Silage was being cut on the High Plains. Corn condition 92% normal compared with 54% 2003. Cotton: In the Lower Rio Grand Valley, harvest was mostly completed. Harvest continued in South State, South Central State, the Coastal districts. There was some defoliation of cotton in areas of Central State. In the Plains, more heat units came with the drier weather as cotton progressed well. There was some irrigation in drier areas of the state. Isolated fields were being sprayed for boll worms, aphids. Cotton condition 85% normal compared with 52% 2003. Sorghum: Rains delayed harvest in some areas of Central State, the Edwards Plateau, East State. Silage was being cut in the Plains. Harvest was completed in much of South Central State, South State, the Coastal Districts. Sorghum condition 81% normal compared with 57% 2003. Peanuts: Drier conditions in the Plains increased the heat units. The crop was looking good in general, despite some disease due to wet conditions over the past few weeks. Peanut condition 91% normal compared with 88% 2003. Rice: Harvest progressed rapidly, except where scattered showers slowed some operations. There was some damage to rice from feral hogs reported in an area of the Upper Coast. Rice condition 81% normal, compared with 87% 2003. Commercial Vegetables, Fruit, Pecans. On the High Plains, Pumpkin leaves were starting to dry down, harvest had begun. Watermelon harvest progressed well. In the Trans-Pecos, Grape harvest was completed in some vineyards. Cantaloupe harvest was fairing badly from the wet, cool conditions the past few weeks. On the Edwards Plateau, pecan trees continued to be irrigated in drier areas. Pecan growth stages ranged from gel to shell hardening. Generally, pecans looked good. There was some spraying for pecan weevils, evidence of web worms on trees. In East State, pecans were reported in the dough stage. Walnut caterpillar, web worm activity was reported in some orchards. Range, Livestock: Hay cutting, baling was active in the Plains, but rains delayed cutting in some fields in the eastern half of the state. Insects continue to be a problem in some hay fields. Statewide, condition of pasture, rangeland was generally good to excellent with little supplemental feeding occurring. Statewide, livestock were mostly rated in good to excellent condition.

UTAH: Days suitable for field work 7. Subsoil 21% very short, 41% short, 38% adequate, 0% surplus. Irrigation Water Supplies 39% very short, 35% short, 26% adequate, 0% surplus. Winter wheat 91% harvested, 99% 2003, 99% avg.; 3% planted for harvest next year, 0% 2003, 2% avg. Spring wheat 78% harvested, 98% 2003, 92% avg. Barley 91% harvested (grain), 98% 2003, 94% avg. Oats 74% harvested (grain), 74% 2003, 71% avg.; 100% harvested for hay or silage, 100% 2003, 100% avg. Corn 99% silked (tasseled), 99% 2003, 99% avg.; 69% dough, 68% 2003, 54% avg.; 22% dent, 27% 2003, 14% avg.; 3% silage, harvested (silage), 1% 2003, 2% avg.; condition 0% very poor, 2% poor, 20% fair, 62% good, 16% excellent. Corn height 90 inches, 95 inches 2003, 92 inches avg. Alfalfa hay 2nd cutting 99%, 100% 2003, 100% avg.; 3rd cutting 62%, 50% 2003, 51% avg.; 4th cutting 5%, 0% 2003, 1% avg. Alfalfa seed 8% harvested, 16% 2003, 11% avg. Onions 30% harvested, 13% 2003, 25% avg. Dry beans 0% harvested, 0% 2003, 3% avg. Cattle, calves moved From Summer Range 13%, 6% 2003, 16% avg. Cattle, calves condition 0% very poor, 2% poor, 18% fair, 70% good, 10% excellent. Sheep, lambs moved From Summer Range 7%, 6% 2003, 13% avg. Sheep condition 0% very poor, 2% poor, 16% fair, 75% good, 7% excellent. Stock water supplies 22% very short, 38% short, 39% adequate, 1% surplus. Apples 12% harvested, 7% 2003, 3% avg. Peaches 42% harvested, 46% 2003, 48% avg. Pears 53% harvested, 34% 2003, 27% avg. Cool weather along with scattered showers was experience through most of the state this past week with 6.5 days suitable for field work. Scattered showers brought much needed moisture to the

state, helping late season crop conditions. There were a few reports of grain, hay harvest delays due to the scattered showers. Grain harvest continued, but has been somewhat slowed due to weather conditions. Winter wheat seeding began last week in some parts of the state. Many irrigation tracts have shut-off water for the season. We received some reports of frost on Saturday and Sunday nights in Summit county. Range, pasture feeds also improved due to scattered showers, cooler temperatures this past week, some areas are showing signs of revegetating. Mountain ranges continue to hold up mostly due to summer rain showers that have brought some much needed moisture. Some producers reported concern over having enough fall feed for animals returning from summer range.

VIRGINIA: Days suitable for fieldwork 6.3. Topsoil 14% short, 72% adequate, 14% surplus. Subsoil 2% very short, 10% short, 76% adequate, 12% surplus. State farmers welcomed a dry week. The Commonwealth received less than a 10th of an inch of rain for the 7 days. Average temperatures were around 73°, which was typical for this time of year. Farmers were able to make good progress in the wake of the dry week; hay, alfalfa, corn for grain were harvested. Good progress was also made on corn for silage. However, the optimal time for harvesting corn for silage is soon passing with the dry weather. State's tobacco continued to be harvested as fast as producers could turn barns around. Overall, farmers remain optimistic in response to early harvested corn yields, good livestock prices. Activities Included: Scouting corn for earworms, soybeans for aphids, planting fall vegetables, and tilling some fields

WASHINGTON: Days suitable for fieldwork was 4.0. Topsoil 5% very short, 22% short, 62% adequate, 11% surplus. Subsoil 6% very short, 34% short, 60% adequate. Irrigation water supply 3% very short, 5% short, 92% adequate. The highest temperature in the state was 90° in Pasco. The lowest temperature in the state was 45° in Republic and Pullman. Winter wheat 91% harvest, 3% planted. Spring wheat condition 2% very poor, 3% poor, 29% fair, 62% good, 4% excellent; 89% harvested. Barley 87% harvested. Record amounts of rain fell over parts of the state this week causing cereal harvests to be halted in several counties. Producers that still had grains in the fields were worried about sprout damage. Other producers that had started seeding winter wheat were concerned about the possibility of having to replant due to the significant amounts of rain that they received. Potato conditions 1% poor, 7% fair, 90% good, 2% excellent; 43% harvested, conditions 2% fair, 96% good, 2% excellent; harvested for silage 12% harvested. Dry Peas 95% harvested. Dry edible bean conditions 8% fair, 90% good, 2% excellent; 20% harvested. Alfalfa hay 3rd cutting was 88% complete. Hay, other roughage supplies 3% short, 90% adequate, 7% excellent. Range, pasture feeds 3% very poor, 18% poor, 46% fair, 33% good. Alfalfa hay 3rd cutting that still remained in the field suffered rain damage in Grant County, in other parts of the state. However, dry pastures benefitted from the rains. A couple of hop growers reported rain, strong winds knocked down some of their hops. Wine grape harvest began about ten days ahead of schedule in some counties. Strawberry growers completed their post harvest plant mowing. Picking of fall bearing raspberries was underway. Sweet corn, apples, pears continued to be harvested.

WEST VIRGINIA: Days suitable for field work 6.0. Topsoil 5% very short, 17% short, 63% adequate, 15% surplus compared to 2003 64% adequate, 36% surplus. Corn conditions 2% poor, 15% fair, 55% good, 28% excellent; 81% doughing, 45% 2003, 64% 5-yr avg.; 40% dented, 10% 2003, 28% 5-yr. avg.; 1% mature. Soybeans conditions 1% poor, 3% fair, 34% good, 62% excellent; 97% setting pods, 66% 2003, 79% 5-yr avg.; 18% dropping leaves, 3% 2003, 15% 5-yr avg. Tobacco conditions 49% poor, 34% fair, 17% good; 91% topped, 59% 2003, 72% 5-yr avg.; 10% harvested. Hay conditions 4% poor, 34% fair, 52% good, 10% excellent. 2nd cutting complete 74%, 57% 2003, 74% 5-yr avg. Apples 2% poor, 11% fair, 82% good, 5% excellent; 24% harvest. Peach harvest was reported as complete. Cattle, calves 12% fair, 75% good, 13% excellent. Sheep, lambs 7% fair, 79% good, 14% excellent. Activities Included: Working livestock, marketing cattle, haying and moving hay to storage.

WISCONSIN: Days suitable for fieldwork 4.5. Soil conditions 5% very short, 21% short, 67% adequate, 7% surplus. Crops Need Time, Heat. There were reports of scattered frost in northern areas of the state, with

some damage on field edges, in low areas. Farmers are hoping for a late killing frost so crops have a chance to mature. Last week brought a welcome change to the usual cool temperatures this summer. Temperatures were 1 to 3° above normal for this time of year, ranging from 50 to the high 80's. Precipitation ranged from trace amounts to almost 2 inches. Year-to-date precipitation in the northwestern part of the state is about 1 to 4 inches below normal, the west central part of the state is about 5 inches above normal, the south central part of the state is 2 inches above normal, the southeastern part of the state is about normal. Corn is in need of heat statewide. In most parts of the state, corn is behind schedule for maturity. In some areas, the ears have not filled out due to the cool nights, days. In the southwestern part of the state, farmers are reporting that the corn looks good, but still has a long way to go until harvest. The lack of heat, sunshine has also slowed the development of soybeans. In some parts of the state, there are a lot of pods setting, but without warmth, soybeans will have a hard time reaching maturity. In some of the northern areas, farmers are reporting some white mold. Both corn, soybeans are two to three weeks behind normal. Third crop hay is looking good with reports of high quality, yield around the state. There are reports of insect and weed problems.

WYOMING: Topsoil 29% very short, 40% short, 31% adequate, 0% surplus. Last year at this time, 87% of the State was rated short or very short. Barley harvest is 78% complete. Oats are 59% harvested. Winter wheat 4% planted. Spring wheat 73% harvested. Below normal temperatures and state-wide showers. Last year it was only 64%. Irrigation supplies are adequate in 41% of the State. Range, Pasture conditions 40% very poor, 26% poor, 21% fair, 9% good, 4% excellent, similar conditions to last year.