

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 3.8. Topsoil 0% very short, 3% short, 71% adequate, 26% surplus. Corn 96% dough, 88% 2002, 71% avg.; 82% dented, 56% 2002, 74% avg.; 44% mature, 29% 2002, 48% avg.; 8% harvested, 31% 2002, 18% avg.; 1% very poor, 3% poor, 9% fair, 35% good, 52% excellent. Soybeans 66% blooming, 82% 2002, 72% avg.; 37% setting pods, 45% 2002, 44% avg.; 0% very poor, 3% poor, 9% fair, 63% good, 25% excellent. Pasture feed 1% very poor, 1% poor, 14% fair, 51% good, 33% excellent. Livestock condition 0% very poor, 3% poor, 16% fair, 54% good, 27% excellent. Wet weather continues to hinder daily farm activities. Farmers are haying as weather permits.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 40% short, 60% adequate. Subsoil 35% short, 65% adequate. The Fairbanks area received over 0.7 inches of rain last week. Daytime high temperatures were in the sixties to seventies. Lows were mostly in the forties, with a few days in the thirties.. Barley 55% turning color, 10% poor, 60% fair, 30% good. Oat 25% turning color, 10% poor, 45% fair, 30% good, 15% excellent. Potatoes 70% in bloom, 5% poor, 10% fair, 50% good, 35% excellent. Hay 1st cutting harvest 99% complete, 2nd cutting hay crop 5% poor, 25% fair, 50% good, 20% excellent. Second cutting should be underway soon.

ARIZONA: Temperatures for the State were mostly above average for the week. Cotton was reported as 90% setting bolls, 100% 2002, 5- yr avg.; 16% opening, 27% 2002. Alfalfa conditions were mostly good, with harvest progressing at a normal rate. Precipitation was reported at 5 of the 17 reporting stations with 0.01 to 0.50 inches.

ARKANSAS: Days suitable for fieldwork 6. Soil 4% very short, 31% short, 60% adequate, 5% surplus. Corn 98% dough, 93% 2002, 97% 4-yr avg.; 87% Dent, 65% 2002, 81% 4- yr avg.; 26% Matured, 21% 2002, 23% 3- yr avg.; 0% very poor, 3% poor, 14% fair, 54% good, 29% excellent. Soybeans 85% blooming, 88% 2002, 85% 5- yr avg.; 63% Setting Pods, 66% 2002, 56% 5 yr avg.; 3% very poor, 10% poor, 29% fair, 43% good, 15% excellent. Sorghum: 98% heading, 98% 2002, 96% 5- yr avg.; 78% turning color, 68% 2002, 63% 5- yr avg.; 1% very poor, 3% poor, 23% fair, 50% good, 23% excellent. Cotton 97% setting bolls, 100% 2002, 99% 5-yr avg.; 1% opening bolls, 3% 2002, 4%- 5yravg.; 0% very poor, 4% poor, 28% fair, 47% good, 20% excellent. Rice 82% headed, 76% 2002, 76% 5- yr avg.; 1% very poor, 4% poor, 28% fair, 47% good, 20% excellent Hay -other 0% very poor, 3% poor, 31% fair, 57% good, 9% excellent. Hay - Alfalfa: 0% very poor, 4% poor, 26% fair, 68% good, 2% excellent. Pasture, Range 1% very poor, 8% poor, 32% fair, 51% good, 8% excellent. Seasonally hot dry weather conditions persist across the state. Scattered rain showers, thunderstorms brought temporary relief from the heat in some areas. Activities: Irrigating crops, spraying fungicides, insecticides, scouting for insects, diseases. Farmers are applying herbicides in soybean, rice fields. Some rice fields are being treated for sheath blight, blast, insects. Stink bugs are continuing to show up in some soybean fields. Some cotton is being sprayed for bollworms, plant bugs. Corn, milo irrigations are coming to a close, harvest should get into

full swing next week. In the northeast portion of the state, severe hail damage to rice, soybean fields was reported. Worms are still showing up in some sorghum fields. Peaches, blackberries, cantaloupes, watermelons are being harvested. Tomato producers are cleaning fields. Livestock were reported to be in good condition. Throughout the past week producers were working cattle, harvesting hay, controlling weeds. Recent rain showers aided re growth in many of these fields. In the western portion of the state, a few cattle producers were feeding hay last week because of the prior dry conditions. Producers are preparing to plant fall forages.

CALIFORNIA: Bloom, boll set continued in cotton fields. Many fields were irrigated, treated with pesticides to control aphids, armyworms. Weeding was in progress in some cotton fields as plant height, density restricted access for cultivation equipment. Several cotton growers treated their fields with plant growth regulators to advance boll development. Small grain harvesting was nearing completion for the season. Straw in harvested grain fields was baled, stacked, fields were disced for fall planting or left fallow. Alfalfa hay was cut, windrowed, baled, stacked. Alfalfa hay fields continued to display strong growth under ideal weather conditions. Fields were irrigated, treated to control insect pests. Bloom was essentially complete in alfalfa seed fields, with good seed set reported in many areas. Irrigation was cut off in most seed alfalfa fields to initiate seed development. Borders were cut down to prepare for harvest. Fields of corn were thriving. Irrigation, cultivation, pest control treatments were in progress where needed. A few fields of corn for silage were being harvested. Sugar beet harvesting continued in some areas. Maturing sugar beet fields were irrigated, weeded. Blackeye bean fields were in bloom, with good pod development reported. Safflower fields were mostly dry, ready for harvesting. Rice fields continued to head out. Picking, packing of stone fruit continued across the State. Among the varieties harvested were Prima peaches, Royal Diamond plums, July Red nectarines. Most orchards were yielding very good quality fruit. Cling peaches suffered heat damage in some orchards in the Sacramento Valley. Cultural activities in tree fruit orchards included irrigation, cultivation, summer pruning, insect control treatments. Some peach orchards were treated with fungicides. Apple harvesting remained active in the San Joaquin Valley. Steady fruit development was reported in apple, pomegranate, persimmon orchards. Treatments to control disease and insect pests were applied as needed. Bins were stacked, terracing was underway in raisin grape vineyards as some growers prepared for harvesting. Harvesting continued at a steady rate in table grape vineyards. Varieties picked, packed included Black Marroo, Black Emerald. Field work in wine, raisin, table grape vineyards included cane cutting, irrigation, cultivation, treatments to control insect pests. Preparation of strawberry fields for fall planting continued in several locations. Citrus, olive orchards were irrigated and treated to control weeds, insect pests. Valencia orange harvesting continued slowly. Some of the crop was sent to juice directly from the field. New crop Navels were sizing normally. The pummelo crop was reported to be light, but with very large fruit sizes. Almond harvesting began in some areas of the San Joaquin Valley. Elsewhere, nuts continued to mature steadily, floors in many almond orchards were mowed in preparation for harvesting. Walnut, pecan orchards showed good progress. Orchards were irrigated, treated to control insect pests as needed. Weather

conditions were mostly favorable for the growth, development of the State's vegetable crops. Some cauliflower was being transplanted. The Central Valley's sweet corn crop was maturing rapidly. Irrigation was ongoing in maturing melon fields. Some tomato fields suffered mold damage resulting from hot, humid weather. Fungicides were being applied to both fresh market, processing tomatoes. Growers were spraying beans for mites, worms. Cantaloupes, honeydews, watermelons, mixed melons continued to be picked, packed, shipped. Harvesting of onions, garlic, tomatoes for processing, fresh market use continued. Tomato fields planted for later harvest were growing steadily. Irrigation, weeding continued in a number of maturing tomato fields. Eggplant, bell peppers, squash, sweet corn were picked, packed for commercial sales. The following vegetables were also harvested: Carrots, cauliflower, celery, cilantro, cucumbers, green onions, okra, parsley, hot peppers, spinach, zucchini. Rangeland feeds in the San Joaquin Valley continued to decline despite recent rainfall in some areas. Cooler weather conditions during the week provided some relief to livestock. Livestock condition was generally good in Northern state. Cows were calving in the Central Valley. Cattle grazed in irrigated pastures. Sheep grazed in fallow fields, harvested grain fields. Bees were active in some vegetable fields.

COLORADO: Days suitable for field work 6.5. Top soil 38% very short, 37% short, 25% adequate, 0% surplus. Subsoil 36% very short, 43% short, 21% adequate, 0% surplus. Areas along the Front Range, eastern plains received widely scattered but some locally heavy thunderstorms. Most of state remained hot, dry this week with little relief from the current drought situation. The prolonged dry period is putting stress on several crops and lowering crop condition ratings. Spring wheat 99% turning color, 81% 2002, 82% avg.; 29% harvested, 36% 2002, 33% avg.; 3% very poor, 5% poor, 21% fair, 50% good, 21% excellent. Spring barley 100% turning color, 87% 2002, 94% avg.; 30% harvested, 40% 2002, 36% avg.; 1% very poor, 11% poor, 13% fair, 48% good, 27% excellent. Sunflower 7% very poor, 15% poor, 36% fair, 32% good, 10% excellent. Alfalfa 71% 2nd cutting, 78% 2002, 73% avg.; 10% 3rd cutting, 12% 2002, 13% avg.; n 2% very poor, 11% poor, 24% fair, 43% good, 20% excellent. Dry beans 83% flowered, 75% 2002, 78% avg.; 8% very poor, 9% poor, 31% fair, 39% good, 13% excellent. Sugar beets condition 3% poor, 7% fair, 60% good, 30% excellent. Summer potatoes 11% harvested, 8% 2002, 8% avg.; 1% very poor, 3% poor, 5% fair, 50% good, 41% excellent. Fall potatoes condition 10% poor, 24% fair, 49% good, 17% excellent. Dry onions 13% harvested, 11% 2002, 13% avg.; 1% very poor, 2% poor, 11% fair, 41% good, 45% excellent

DELAWARE: Days suitable for fieldwork 3.7. Topsoil 2% very short, 8% short, 53% adequate, 37% surplus. Subsoil 4% short, 74% adequate, 22% surplus. Corn 4% very poor, 8% poor, 27% fair, 33% good, 28% excellent; 89% silked, 97% 2002, 94% avg.; 41% dough, 74% 2002, 52% avg. Soybean 13% poor, 31% fair, 36% good, 20% excellent; 23% blooming, 66% 2002, 52% avg.; 8% setting pods, 29% 2002, 29% avg. Sorghum 4% poor, 24% fair, 44% good, 28% excellent; 32% headed, 26% 2002, 37% avg. Pasture feed 5% poor, 19% fair, 63% good, 13% excellent. Other hay 2nd cutting 85%, 99% 2002, 95% avg.; 3rd cutting 16%, 42% 2002, 59% avg. Alfalfa hay cutting 88%, 100% 2002, 100% avg.; 3rd cutting 25%, 58% 2002 67% avg. Watermelons harvested 23%, 65% 2002, 42% avg. Lima beans (processed) harvested 7%, 3% 2002, 17% avg. Snap beans harvested 51%, 71% 2002, 61% avg. Sweet corn harvested 50%, 62% 2002, 53% avg. Potatoes harvested 30%, 64% 2002, 50% avg. Cantaloups 33%, 64% 2002, 46% avg. Hay supplies 3% very short, 32% short, 52% adequate, 13% surplus. Heavy showers came across the southern peninsula last Tuesday, New Castle County had over 3 inches of rain on Saturday. Humidity, almost daily showers seemed to be the theme of last weeks weather conditions. Many farmers could be found mowing unplanted fields last week to control weeds. Vine crops, particularly melons, are under severe disease pressure due to the continual wet, humid conditions. Some potatoes were dug last week. Harvest progress for hay, vegetable crops was slow due to the wet weather, however the moisture has been beneficial for corn, soybean development.

FLORIDA: Topsoil 1% very short, 1% short, 43% adequate, 55% surplus. Subsoil 2% short, 48% adequate, 50% surplus. Temperature average: normal to 2° below normal, major cities. Daytime highs: 80s, 90s. Nighttime lows: mostly 70s. Rainfall range: about 0.33 in. Marianna to over 6.00 in. Tampa, Ft. Lauderdale. Most localities, over 1.00 to 3.00

in. except for some eastern Panhandle localities which are drying out from earlier rains. Very short to short supplies: some central, southeastern coastal counties. Peanuts 98% pegged, 98% 2002, 95% 5-yr avg.; 1% very poor, 1% poor, 5% fair, 63% good, 30% excellent. Continued wet conditions reducing quality of hay, tobacco; reducing cotton, peanut yield prospects, especially in Panhandle. Hay fields becoming very over mature, quality decreasing rapidly. Rains slowing bahia seed harvesting. Fertilizer leached from tobacco lowering leaf quality. Recent rains prevented pesticide spraying, disease reported on limited acreage of tobacco, peanuts. St. John's County growers harvesting corn for grain between showers; plowing under some cover crops as they mature. Flooding damaged some Baker County nursery crops. Showers interrupted some vegetable field work; southern Peninsula producers planting fall acreage. Dade County producers cutting okra. Flooding damaged some Baker County vegetables. Hot, humid summer time weather all citrus areas; rainfall heavier than normal. Growers maintaining middles, ditches to keep water moving, trees in excellent condition with good fruit sizes reported. Pasture feed: 5% very poor, 5% poor, 15% fair, 55% good, 20% excellent. Cattle condition 10% fair, 70% good, 20% excellent. Pasture feed throughout much of State lower due to excessive rain. North, Panhandle: grass quality lower in many locations due to flooding from recent rains; armyworm pressure increasing in Taylor County. Central: excess moisture reducing forage quality; increasing pest pressure on calves resulting in weight loss. Southwest: pasture, range condition, some locations, excellent; others condition lower due to rain. Manatee County: some flooded pastures, range lands under water; cattle moving to any high ground. Statewide: cattle condition mostly good

GEORGIA: Days suitable for field work 3.8. Soil 2% short, 57% adequate, 41% surplus. Corn 63% mature, 82% 2002, 78% avg.; 9% harvested for grain, 28% 2002, 23% avg. Hay 5% poor, 25% fair, 55% good, 15% excellent. Sorghum 2% poor, 20% fair, 58% good, 20% excellent; 6% harvested for grain, 3% 2002, 2% avg. Tobacco 63% harvested, 66% 2002, 60% avg. Apples 1% poor, 9% fair, 83% good, 7% excellent; 14% harvested, 11% 2002, 8% avg. Peaches 99% harvested, 100% 2002, 98% avg. Pecans 7% poor, 29% fair, 55% good, 9% excellent. Rain, waterlogged soils limited field work last week. Wet field conditions delayed pesticide applications in peanuts, tobacco, cotton. The rains made it difficult to cut, bale hay. Stink bug numbers increased in some cotton fields. Several comments of boll rot in some early planted cotton were reported in south state. Worm, disease pressure increased on other row crops. Wet weather increased the incidence of disease in peanuts, pecans. Pastures benefitted from recent rains. Apple growers used pheromone traps to coordinate insecticide spraying. Activities: Routine care of livestock, poultry, applying pesticide sprays as weather permitted.

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

IDAHO: Days suitable for fieldwork 6.80 Topsoil 34% very short, 41% short, 25% adequate, 0% surplus. Harvest continues ahead of normal for all crops. Areas of Eastern state reported some insect damage to barley. Irrigation Water Supply is 11% very poor, 23% poor, 37% fair, 28% good, 1% excellent. Potato Vines Dying/Killed 8%, 3% 2002, 4% avg.; 0% very poor, 2% poor, 10% fair, 72% good, 16% excellent. Peaches Harvested 22%, 19% 2002, 19% avg. Plums, Prunes Harvested 15%, 0% 2002, 2% avg. Winter Wheat 0% very poor, 1% poor, 32% fair, 47% good, 20% excellent. Spring Wheat Turning Color 95%, 93% 2002, 91% avg. Barley Turning Color 96%, 93% 2002, 89% avg. Oats Harvested for Grain 17%, 7% 2002, 12% avg. Alfalfa Hay 2nd Cutting harvested 80%, 77% 2002, 81% avg.; 3rd Cutting Harvested 24%, 14% 2002, 19% avg. Mint Harvested (1st cutting) 77%, 25% 2002, 46% avg. Dry Peas Harvested 25%, 14% 2002, 39% avg. Lentils Harvested 25%, 6% 2002, 12% avg. Activities : Irrigating, caring of livestock, weed, pest control, harvesting winter wheat, spring wheat, barley, oats, hay, peaches, prunes, plums, dry peas, lentils, mint

ILLINOIS: Days suitable for fieldwork 6.1. Topsoil 5% very short, 24% short, 67% adequate, 4% surplus. Oats 92% Harvested, 97% 2002, 96% avg.; Alfalfa hay 2nd crop 99%, 96% 2002, 97% avg.; 3rd crop 42%, 44% 2002, 42% avg. Last week was very mild again with cooler temperatures, some scattered showers that were generally less than one half inch. Adequate moisture with below average temperatures are allowing for good development of crops. Although the crops look good, more rain is needed across the state especially for soybeans, hay, pastures. Bean aphids are very noticeable in some fields, with farmers beginning to spray a second time to help curb the insect problems. Wheat harvest is virtually complete while oat harvest is nearing completion. Farmers used the days suitable for fieldwork across the state last week to get harvest equipment ready, mow roadsides, ditches, waterways, check fields for insects, spread manure on oat, wheat stubble, fix fences, clean out grain bins, attend county fairs that are in full swing

INDIANA: Days suitable for fieldwork 5.3. Topsoil 1% very short, 7% short, 75% adequate, 17% surplus. Subsoil 3% very short, 8% short, 74% adequate, 15% surplus. Most of the water has receded from the July floods. Certain areas in the southwestern regions need more rainfall for grain fill, pod fill. Crop conditions slowly improving. Soybean have perked up, regained color. Soybean heights shorter than normal. Farmers had a good week for spraying along with cutting, baling of hay. Japanese beetles very active. Temperatures averaged 0° to 5° below normal for the week. Precipitation averaged 0.0 to 1.54 inches. Spraying for weeds, insects continued. Blue mold in some tobacco fields. Livestock are in mostly good condition. Alfalfa hay 2nd cutting of 92% complete, 98% 2002, 99% avg.; 3rd cutting of alfalfa hay underway in northern regions. Pastures 1% very poor, 4% poor, 21% fair, 56% good, 18% excellent. Activities: Mowing, baling hay, spraying for weeds, insects, moving grain to market, hauling manure, cleaning out grain bins, certifying crop acreage, mowing roadsides, lots, repairing equipment, taking care of livestock.

IOWA: Days suitable for fieldwork 6.6. Topsoil 22% very short, 41% short, 37% adequate, 0% surplus. Subsoil 16% very short, 33% short, 50% adequate, 1% surplus. Field Crops Report: As oat harvest was nearing completion across state, corn, soybeans were filling ears, settings pods, respectively. Pasture feeds were deteriorating due to lack of moisture, as a result, some supplemental feeding of hay was occurring. Reports of aphid pressure in both soybeans, hay were cited. Moisture stress was observed in crops in the drier areas of the state, but overall, corn, soybean conditions were favorable. Oat acreage harvested for grain 98% completed. Corn 96% acreage silked, acreage in or past milk stage was 64%, 81% 2002, 5-yr avg 77% percent milk stage. Corn acreage in dough stage was 20%, 39% 2002, 5-yr avg of 34% dough stage, 1% very poor, 5% poor, 18% fair, 52% good, 24% excellent. Soybean acreage blooming was 96%, soybean acreage setting pods 75%, 90% 2002, 5-yr avg 85% podded, 2% very poor, 5% poor, 19% fair, 54% good, 20% excellent. Alfalfa hay 3rd cutting of was 28% complete, 4% very poor, 18% poor, 31% fair, 39% good, 8% excellent. Livestock, Pasture, Range Report: Livestock conditions continued to be good across the state, although fly problems were noted. Pasture, range feed 11% very poor, 27% poor, 34% fair, 25% good, 3% excellent.

KANSAS: Topsoil 59% very short, 34% short, 7% adequate. Subsoil 49% very short, 43% short, 8% adequate. Corn 5% mature, 8% 2002, 6% avg. Sunflowers 61% blooming, 70% 2002, 77% avg.; ray flowers dry 15%, 26% 2002, 20% avg.; bracts yellow 4%, 20% 202, 10% avg.; 12% very poor, 18% poor, 34% fair, 32% good, 4% excellent. Alfalfa 3rd cutting 71%, 77% 2002, 81% avg.; 4th cutting 6%, 10% 2002, 12% avg.. Cotton 94% is squaring, 40% setting bolls, 1% very poor, 5% poor, 35% fair, 59% good. Hot dry conditions stressed row crops. Corn silage harvest continues. Pasture feed 24% very poor, 36% poor, 32% fair, 8% good. Hay, forage supplies 3% very short, 17% short, 76% adequate, 4% surplus.

KENTUCKY: Days suitable for fieldwork 3.8. Topsoil 4% short, 72% adequate, 24% surplus. Subsoil 7% short, 70% adequate, 23% surplus. Tobacco 2% very poor, 12% poor, 29% fair, 40% good, 17% excellent. Burley tobacco blooming 67%, 78% 2002, 83% 5 yr- avg. Burley tobacco topped 45%, 64% 2002, 5 yr avg 63%. Dark tobacco topped 74%, 84% 2002, 84% 5 yr- avg. Tobacco condition is variable, depending on when planted. Blue mold is starting to be a problem in the areas of state with

persistent rain. Very few reports of insects in tobacco statewide. Some have started cutting early tobacco. Rains have helped produce a lot of hay, but farmers are having trouble getting it cut and baled due to wet weather. The hay crop 3% poor, 19% fair, 57% good, 21% excellent. Pasture feed 2% poor, 17% fair, 61% good, 20% excellent

LOUISIANA: Days suitable for fieldwork 6.2. Soil 7% very short, 24% short, 62% adequate, 7% surplus. Corn 2% poor, 18% fair, 52% good, 28% excellent; 100% dough stage, 99% last week, 100% 2002, 100% avg.; 85% mature, 66% last week, 92% 2002, 96% avg.; 12% harvested, 8% last week, 23% 2002, 36% avg. Hay 2nd 76% cutting, 64% last week, 70% 2002, 63% avg. Peaches 99% harvested, 97% last week, 90% 2002, 97% avg. Rice 67% ripe, 52% last week, 70% 2002, 67% avg. Rice harvest was in full swing. Sorghum 54% ripe, 34% last week, 50% 2002, 54% avg.; 12% harvested, 3% last week, 10% 2002, 10% avg. Harvesting of sorghum made good progress, remained ahead of the 5-year average. Soybeans 12% turning color, 7% last week, 13% 2002, 12% avg. Sugarcane 1% very poor, 7% poor, 25% fair, 40% good, 27% excellent; 5% planted 1% last week, 6% 2002, 6% avg. Sweet potatoes 1% harvested, 0% last week, 2% 2002, 4% avg. Livestock 3% poor, 37% fair, 51% good, 9% excellent. Vegetables 8% very poor, 19% poor, 48% fair, 22% good, 3% excellent

MARYLAND: Days suitable for fieldwork 4.1. Topsoil 4% short, 66% adequate, 30% surplus. Subsoil 4% short, 69% adequate, and 27% surplus. Corn 5% very poor, 10% poor, 19% fair, 46% good, 20% excellent; 82% silked, 91% 2002, 93% avg.; 25% dough, 65% 2002, 54% avg. Soybeans 7% very poor, 16% poor, 31% fair, 35% good, 11% excellent; 34% blooming, 74% 2002, 62% avg.; 7% very poor, 3% poor, 68% fair, 15% good, 7% excellent. Sorghum 32% headed, 19% 2002, 59% avg. Tobacco condition 2% very poor, 23% poor, 17% fair, 39% good, 19% excellent; 32% bloomed, 70% 2002, 75% avg.; 14% topped, 50% 2002, 46% avg. Apple condition 21% fair, 72% good, 7% excellent. Lima Beans (processed) harvested 15%, 22% 2002, 28% avg. Apples harvested 7%, 16% 2002, 11% avg. Peach condition 20% fair, 69% good, 11% excellent. Peaches harvested 35%, 63% 2002, 51% avg. Watermelons harvested 27%, 46% 2002, 43% avg. Potatoes harvested 41%, 60% 2002, 82% avg. Snap Beans harvested 52%, 67% 2002, 62% avg. Sweet Corn harvested 55%, 59% 2002, 63% avg. Cantaloups harvested 40%, 67% 2002, 62% avg. Other Hay 2nd cutting 73%, 93% 2002, 87% avg. Alfalfa Hay 2nd cutting 93%, 100% 2002, 100% avg.; 3rd cutting Alfalfa Hay 28%, 69% 2002, 66% avg. Pasture feed 4% poor, 24% fair, 49% good, 23% excellent. Hay supplies 17% very short, 26% short, 57% adequate. While temperatures stayed below normal last week, high humidity and many afternoon showers kept vegetable, fruit, hay harvesting to a minimum. Wet weather improved topsoil, subsoil moisture as well as corn, soybean crop conditions. One-fourth of the corn crop has reached the dough stage with a few fields beginning to dent. Soybeans plants are continuing to bloom with a few early planted fields beginning to set pods. Snap beans, sweet corn have passed the half-way point of harvest, though sunshine, drier weather are needed to speed harvest progress.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 3.0% very short, 22% short, 69% adequate, 6.0% surplus. Subsoil 6.0% very short, 31% short, 60% adequate, 3.0% surplus. All hay 2nd cutting 80%, 79% 2002, 81% avg.; 3rd cutting 11%, 9.0% 2002, 15% avg. Blueberries harvested 49%, NA 2002, NA avg. Corn height 77 in, NA 2002, NA avg. Dry beans blooming 64%, 77% 2002, 85% avg.; setting pods 34%, 34% 2002, 53% avg. Oats turning yellow 99%, 99% 2002, 99% avg.; harvested 18%, 57% 2002, 71% avg. Tart cherries harvested 95%, NA 2002, NA avg. Producers across much of State noted crops still 10 days to two weeks behind normal. Delayed progress of many crops has farmers beginning to express concern over early frost. Temperatures ranged from 3° above normal western Upper Peninsula and northern Lower Peninsula to normal three Lower Peninsula districts. Farmers reported spotty, highly variable rainfall within districts. Precipitation amounts ranged from 0.02 inches eastern Upper Peninsula to 0.60 inches west central Lower Peninsula. Scattered rainfall across most districts limited fieldwork. Farmers grateful for any moisture received, showers perked up field crops. Wheat harvest neared completion, localized rainfall limited farmers' ability to finish combining. Producers busy baling straw, weather permitting. Oat harvest picked up, progress behind normal. Second crop hay harvest continued, frequent showers hampered drying. Third cutting moved along some districts. Corn tasseled across much of State. Several growers noted

progress up to two weeks behind normal. Soybeans soaked up last week's rains. Some aphid problems reported. Sugarbeets looked good. Dry bean growers reported average but highly variable conditions. Thunderstorms, hail last week caused some scattered injury to apples, peaches. Apples continued to size well across State. Apple maggot, second generation codling moth, potato leaf hopper numbers increased at many farms south, west central. Summer pruning continued southeast. Apricot harvest began to wind down southwest. Peach harvest continued, X-disease common some orchards south. Tart cherry harvest continued northwest. Adult cherry fruit fly catches increased. European red mites causing some bronzing southwest. Plum harvest continued. Blueberry harvest full swing. Blueberry maggot levels low. Early wine grape varieties coloring southwest. Strawberries rebounding well after renovation. Summer raspberry harvest southeast complete. Yields disappointing due to winter injury. Growers across State noted increase vegetable disease, insect problems over last week. Farmers scouting for western corn rootworms, can cause significant damage. Powdery mildew reported vine crops. European corn borer trap counts ranged from zero to significant, depending on district. Across west, southeast, harvest of most major vegetable crops well underway. Early snap beans looked good across State, harvest slated to start this week west central. Some disease problems spotted later plantings. Pumpkins looked good, some squash vine borer problems reported southwest. Tomato growers reported some bacterial and fungal disease along with mite problems. Harvest is about one to two weeks off southeast. Early sweet corn harvest neared completion southeast, progressed across rest of State. Asparagus growers reported a big flush of new fern growth due to recent rains. Carrot harvest began west central. Potatoes looked good, tubers continued to bulk up northeast. Some leafhopper damage noted. Cabbage harvest picked up northeast. Cucumber harvest continued. Onion growers reported disease problems brought on by localized heavy rains, severe weather. Celery harvest continued, farmers reported good quality, yield.

MINNESOTA: Days suitable for fieldwork 6.2. Topsoil 11% very short, 42% short, 47% adequate, 0% surplus. Spring Wheat 99% turning ripe, 93% 2002, 93% avg. Oats 99% turning ripe, 98% 2002, 98% avg. Barley 99% turning ripe, 95% 2002, 95% avg. Corn 78% milking, 79% 2002, 71% avg. Canola 8% harvested, 2% 2002, NA avg. Sweet corn 19% harvested for processing, 25% 2002, 26% avg. Pasture feed 6% very poor, 17% poor, 39% fair, 36% good, 2% excellent. Sugarbeets 1% very poor, 7% poor, 23% fair, 56% good, 13% excellent. Dry Beans 0% very poor, 9% poor, 31% fair, 49% good, 11% excellent. Canola 0% very poor, 0% poor, 8% fair, 69% good, 23% excellent. Potatoes 1% very poor, 2% poor, 17% fair, 58% good, 22% excellent. Sunflowers 1% very poor, 5% poor, 18% fair, 61% good, 15% excellent. Small grain harvest is well underway. Dry weather this past week allowed farmers to continue with harvest activities as well as spray for aphids in infested fields of soybeans. Soil moisture has dropped dramatically, now producers across the state are looking for rain to relieve stressed crops. The statewide average temperature was 70.1 degrees

MISSISSIPPI: Days suitable for fieldwork 5.4. Soil 4% veryshort, 19% short, 64% adequate, 13% surplus. Corn 100% dough, 100%2002, 100% avg.; 88% dent, 92% 2002, 93% avg.; 39% mature, 52% 2002,58% avg.; 3% harvested, 5% 2002, 12% avg.; 86% silage harvested, 71%2002, 64% avg.; 3% poor, 7% fair, 52% good, 38% excellent. Cotton 93% setting bolls, 100% 2002, 100% avg.; 2% open bolls, 11% 2002, 11%avg.; 1% very poor, 4% poor, 12% fair, 54% good, 29% excellent. Rice92% heading, 90% 2002, 82% avg.; 8% mature, 12% 2002, 6% avg.; 1%poor, 10% fair, 57% good, 32% excellent. Sorghum 100% heading, 100%2002, 99% avg.; 85% turning color, 79% 2002, 75% avg.; 40% mature, 28%2002, 25% avg.; 2% harvested, 0% 2002, 3% avg.; 12% fair, 62% good,26% excellent. Soybeans 100% blooming, 99% 2002, 100% avg.; 95%setting pods, 89% 2002, 91% avg.; 31% turning color, 20% 2002, 21%avg.; 10% shedding leaves, 13% 2002, 10% avg.; 1% harvested, 2% 2002, 1% avg.; 1% poor, 16% fair, 47% good, 36% excellent. Hay 79% harvested(warm season), 80% 2002, 75% avg. Sweetpotatoes 1% very poor, 3% poor,29% fair, 23% good, 44% excellent. Watermelons 100% harvested, 99%2002, 87% avg. Cattle 2% poor, 15% fair, 60% good, 23% excellent.Pasture 2% poor, 17% fair, 60% good, 21% excellent. Harvest Activities: Are just gearing up for the State's row crops. Hay baling continues to be plagued by frequent rain showers resulting in decreased production, quality.

MISSOURI: Days suitable for fieldwork 6.4. Topsoil 40% very short, 35% short, 24% adequate, 1% surplus. Northwest, west-central districts remain the driest areas but many counties in north-central, northeast, central districts are also becoming dry. Condition of row crops again declined as dry weather prevailed. Much of the corn crop is reaching the stage where benefits from rainfall would be limited but reporters are still hopeful that moisture becomes available in time for decent soybean pod development. Some soybeans in the driest areas are aborting blooms, pods as the need for moisture becomes critical. Development of corn ranges from 55% dough stage or beyond, 17% dented in the northeast district to 100% dough or beyond, 72% dented southeast. Soybean development varies from less than 20% setting pods in southwest, south-central districts to 50% or more northwest, north-central. Alfalfa 3rd crop cut 63%, 64% 2002, 56% avg. Pasture feed 24% very poor, 31% poor, 27% fair, 16% good, 2% excellent. Some farmers are hauling water for livestock in areas where ponds dried up. Rainfall averaged 0.26 inches, ranging from virtually none to 0.19 inch in districts in the northern two-thirds of the State to 1.04 inches in the southeast

MONTANA: Days suitable for fieldwork 636. Topsoil70% very short, 27% short, 3% adequate, 0% surplus. Subsoil 61% very short, 34% short, 5% adequate, 0% surplus. Weather conditions for the week were above normal temperatures with some rain falling in the central, the northeastern regions. Barley 92% turned, 55% ripe, 23% is harvested, 17% very poor, 22% poor, 26% fair, 28% good, 7% excellent. Corn 1% very poor, 4% poor, 36% fair, 34% good, 25% excellent. Alfalfa hay 2nd cutting of is 58% harvested. The first cutting of all other hay is 98% complete, 27% of the 2nd cutting is harvested. Dry beans 0% very poor, 12% poor, 36% fair, 46% good, 6% excellent. Oat 95% turned, 66% ripe, 27% harvested, 11% very poor, 17% poor, 33% fair, 28% good, 11% excellent. Potatoes 0% very poor, 1% poor, 10% fair, 63% good, 26% excellent. Sugar beets 0% very poor, 2% poor, 26% fair, 31% good, 41% excellent. Spring wheat 93% turned, 49% ripe, 21% harvested, 14% very poor, 31% poor, 35% fair, 18% good, 2% excellent. Winter wheat 97% ripe, 79% harvested. Pasture, Range feeds 26% very poor, 33% poor, 28% fair, 12% good, 1% excellent.

NEBRASKA: Days suitable for fieldwork 6.6. Topsoil 39% very short, 34% short, 27% adequate, 0% surplus. Subsoil 40% very short, 37% short, 23% adequate, 0% surplus. Temperatures averaged from 2° below normals to 6° above normals for the week. Precipitation was scattered across the state with amounts mostly less than 0.60 inches, but ranged to over 3 inches in the southwest. Dry bean condition 3% very poor, 6% poor, 21% fair, 51% good, 19% excellent; 91% blooming, 93% 2002, 94% avg.; 61% set pods, 66% 2002, 58% avg. Alfalfa condition 9% very poor, 21% poor, 31% fair, 33% good, 6% excellent; 3rd cutting 50%, 59% 2002, 39% avg. Pasture, range feed 19% very poor, 29% poor, 29% fair, 22% good, 1% excellent

NEVADA: Scattered afternoon thundershowers occurred throughout the week but little precipitation accumulated. Most areas received about .02 inch of rain. Temperatures averaged near normal. Scattered rains damaged some cut hay caught in the field as second cutting of alfalfa continued. Third cutting of alfalfa got underway in early areas. Harvests of wheat, barley began in earnest. Grass seed harvest continued. Potatoes were in bloom and responding favorably to the warm weather. Cantaloups were growing well. Garlic harvest was underway. Grasshopper, Mormon cricket infestations continued to plague some areas in northern state. Activities: Haying, grain harvest, garlic harvest, irrigating, weed control, insect control.

NEW ENGLAND: Days suitable for field work 3.5. Topsoil 0% very short, 1% short, 62% adequate, 37% surplus. Subsoil 0% very short, 7% short, 74% adequate, 19% surplus. Pasture feed 0% very poor, 13% poor, 28% fair, 49% good, 10% excellent. Maine Potatoes condition good/excellent. Rhode Island Potatoes 5% harvested, 30% 2002, 20% avg.; condition good/excellent. Massachusetts Potatoes 5% harvested, 10% 2002, 15% avg.; condition good. Maine Oats condition good. Maine Barley condition good. Field Corn condition good/fair. First Crop Hay 95% harvested, 95% 2002, 95% avg.; 2nd Crop Hay 50% harvested, 70% 2002, 65% avg.; condition good/fair. Third Crop Hay:5% harvested, 30% 2002, 15% avg.; condition good. Shade Tobacco 25% harvested, 65% 2002, 60% avg.; condition fair/good. Broadleaf Tobacco 20% harvested, 60% 2002, 50% avg.; condition fair/good. Sweet Corn 25% harvested,

35% 2002, 40% avg.; condition good/fair. Apples: <5% harvested, 5% 2002, 5% avg.; condition good/fair. Peaches: 35% harvested, 55% 2002, 40% avg.; condition good/fair. Pears: condition good/fair. Massachusetts Cranberries: condition good/fair. Highbush Blueberries: 55% harvested, 55% 2002, 60% avg.; condition good/fair. Maine Wild Blueberries: 10% harvested, 5% 2002, 30% avg.; condition good. Tropical conditions existed in the state states last week. High humidity, rain showers deterred field activities, crop harvest, but also increased crop growth rates. Growers would like to see sunshine next week. Activities: Cutting haylage, making dry hay; harvesting broadleaf tobacco, shade tobacco, apples, peaches, highbush blueberries, wild blueberries, vegetables; renovating strawberry beds; spreading manure; mowing; pruning; cultivating; weeding; monitoring fields; applying insecticides, fungicide

NEW JERSEY: Days suitable for field work were 3.3. Top soil 19% adequate, 81% surplus. There were measurable amounts of rainfall during the week over most of the state. Activities during the week were harvesting fruit, vegetables, top dressing fertilizer, spraying pesticides, herbicides where weather conditions allowed. Poor forage quality reported by some equine owners. More available pasture forage reduced supplemental livestock feeding. Army worm infestation was reported in some corn fields. Wet weather conditions continued to delay hay harvest activities in most areas. Second cutting hay harvest was not complete some areas. Third cutting of hay began in a few fields. Vegetables were rated in fair to good condition as harvesting continued. Leafhoppers, earworms counts continued to rise. The south reported bacterial leaf spot on pepper plants and phytophthora blight on cucumber, pumpkin plants. In the north, some cantaloupes cracked due to wet conditions. Sweet corn quality varied, according to our reporters. Tomato development continued to be delayed across the state with poor quality reported. Irish potatoes showed variable size, some rot problems were reported in some fields. Sweet potatoes were filling in well. Apple harvest started in the north with good crop condition reported. Fungal sprays were used on grape plants due to wet weather conditions

NEW MEXICO: Days suitable for fieldwork 7.0. Topsoil 59% very short, 28% short, 13% adequate. It was a hot week in state with temperatures above normal statewide. Readings topped 100° at many lower elevation stations in the east, south. Hit, miss thunderstorms produced some measurable rainfall at about two thirds of the reported stations, but no stations reported as much as an inch. Wind damage was 15% light, 2% moderate. Farmers were busy cutting hay, some corn silage, harvesting green chile, digging potatoes. Those that had water were irrigating. Alfalfa 15% very poor, 12% poor, 41% fair, 28% good, 4% excellent; 3rd cutting was 85% cut, 4th was 61% complete. High water requirements combined with limited water availability is causing alfalfa production to suffer, with many fields blooming before reaching desired heights. Corn saw slight declines, but remained in mostly fair to good condition. Almost all of our corn had reached the silking stage, 44% was doughing and 16% of the crop had reached the dent stage. Some farmers were beginning to cut for silage. Cotton held steady over the week, remained in mostly poor to good condition, with 92% setting bolls, 4% had bolls opening. Grasshoppers continued to attack field borders, threatening cotton that has already been damaged this season by hail, wind. Total sorghum remained in mostly very poor to fair condition. Total sorghum headed reached 31%, but there are fears that most of the dryland crop will never reach this stage if rain doesn't come soon. Peanuts saw little change over the week and were still listed as fair to excellent. Most of the crop was pegging. Chile was reported as mostly fair to good, the green chile harvest was right on target with last year at 28% complete. Pecan conditions did not change at mostly fair to good. Drop was listed as 26% below average, 71% above, and 3% heavy. Potatoes were being harvested and pumpkins were blooming. Ranchers spent the week delivering feed and water to their livestock. The poor pasture, water situation is taking its toll on weight gains, many ranchers continue to sell off early, many more are considering it. Cattle conditions 7% very poor, 16% poor, 35% fair, 23% good, 19% excellent. Sheep 26% very poor, 27% poor, 24% fair, 23% good. Range, pasture 39% very poor, 29% poor, 25% fair, 7% good.

NEW YORK: Days suitable 2.0. Topsoil 1% short, 43% adequate, 56% surplus. Pasture feed 4% poor, 21% fair, 59% good, 16% excellent. Hay 5% poor, 29% fair, 54% good, 12% excellent. Corn 4% poor, 22% fair, 51% good, 23% excellent. Soybeans 3% poor, 20% fair, 54% good, 23% excellent. Oats 49% harvested, 40% 2002. Wheat 64% combined,

82% 2002. Alfalfa 2nd cut 74% harvested, 93% 2002; Clover-timothy 2nd cut 60%, 79% 2002. Tart cherries 83% harvested, sweet cherries 93%. Apples, grapes, peaches, pears good condition.

NORTH CAROLINA: Days suitable 3.7. Soil 0% very short, 0% short, 43% adequate, 57% surplus. Widespread rain showers, thunder storms continued this week, left water standing in many fields. Tobacco harvest was slowed, pest management practices impeded as farmers waited for fields to dry. Most corn, cotton fields appear healthy vegetatively, but there are reports of cotton boll rot, corn rust, downy mildew in pumpkins. Activities: Harvesting tobacco, produce, peaches, apples; making hay; scouting crops for disease, insects; spraying crops; tending livestock; general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 5.5. Topsoil 15% very short, 36% short, 45% adequate, 4% surplus. Subsoil 14% very short, 35% short, 47% adequate, 4% surplus. Producers made good progress harvesting small grains last week. Durum wheat was 87% in the milk stage, beyond, 94% 2002, 91% avg. 55% was turning, beyond, 51% 2002, 58% avg. 9% was combined, 3% 2002, 6% avg. Canola 87% turning, beyond, 81% 2002, 83% avg. 54% was swathed, beyond, 44% 2002, 45% avg. 9% was combined, 3% 2002, 5% avg. Dry Edible Beans 80% podding, beyond, 78% 2002, 86% avg. 22% were fully podded and beyond, 37% 2002, 41% avg. Flaxseed was 73% turning and beyond, 62% 2002, 60% avg. 2% was combined, 3% 2002, 2% avg. Eight percent of the potatoes had vines killed and beyond, 1% 2002, 4% avg. Sunflowers were 75% blooming, beyond, 77% 2002, 71% avg. Durum Wheat 1% very poor, 10% poor, 37% fair, 46% good, 6% excellent. Canola 1% very poor, 4% poor, 20% fair, 53% good, and 22% excellent. Dry Edible Beans 0% very poor, 5% poor, 20% fair, 57% good, 18% excellent. Flaxseed 1% very poor, 5% poor, 28% fair, 54% good, 12% excellent. Potatoes 0% very poor, 2% poor, 15% fair, 61% good, 22% excellent. Sugarbeets 0% very poor, 2% poor, 20% fair, 50% good, 28% excellent. Sunflower 1% very poor, 4% poor, 25% fair, 57% good, 13% excellent. All hay 4% very poor, 13% poor, 35% fair, 41% good, 7% excellent. Alfalfa 2nd cutting of was 78% complete, 92% of all other hay had been cut. Stockwater supplies 5% very short, 22% short, 72% adequate, 1% surplus. Pasture, range feeds 5% very poor, 21% poor, 37% fair, 34% good, 3% excellent.

OHIO: Days suitable for fieldwork 2.0. Topsoil 0% very short, 1% short, 53% adequate, 46% surplus. Alfalfa hay 2nd cutting complete 72%, 97% 2002, 96% avg.; 3rd cutting complete 11%, 33% 2002, 36% avg. Corn 93% silking, 88% 2002, 96% avg.; 24% in dough, 23% 2002, 45% avg. Cucumber harvested 30%, 46% 2002, 51% avg. Oats harvested 60%, 84% 2002, 87% avg. Other hay 2nd cutting complete 51%, 78% 2002, 80% avg.; 3rd cutting complete 7%, 20% 2002, 19% avg. Peaches harvested 42%, 51% 2002, 55% avg. Potatoes harvested 11%, 14% 2002, 20% avg. Soybeans blooming 92%, 88% 2002, 95% avg. Soybeans setting pods 52%, 48% 2002, 70% avg. Summer apples harvested 62%, 53% 2002, 67% avg. Corn 3% very poor, 8% poor, 26% fair, 42% good, 21% excellent. Hay conditions 5% very poor, 9% poor, 35% fair, 41% good, 10% excellent. Oat condition 2% very poor, 6% poor, 41% fair, 44% good, 7% excellent. Pasture feeds 1% very poor, 4% poor, 24% fair, 57% good, 14% excellent. Soybean conditions 3% very poor, 8% poor, 30% fair, 43% good, 16% excellent. Most field activities last week were reduced by frequent afternoon showers. Producers in areas that were too wet went to their local county fairs. In between the rains, growers harvested oats, baled hay, sprayed soybeans. Vegetable producers harvested sweet corn, squash, tomatoes, peppers, onions, broccoli, cucumbers, green beans. Farmers mowed weeds, worked on fence lines, repaired equipment. Producers prepared bins and dryers for the fall harvest. Growers spread manure on wheat stubble in drier areas.

OKLAHOMA: Days suitable for fieldwork 6.0. Topsoil 46% very short, 35% short, 19% adequate. Subsoil 32% very short, 45% short, 23% adequate. Wheat 95% plowed, 93% last week, 94% 2002, 92% avg.; 15% seedbed prepared, 8% last week, 35% 2002, 23% avg. Rye 25% seedbed prepared, n/a last week, 29% 2002, 28% avg. Oats 96% plowed, 94% last week, 97% 2002, 92% avg.; 13% seedbed prepared, 9% last week, 27% 2002, 19% avg. Corn 2% poor, 15% fair, 35% good, 48% excellent; 92% silking, 81% last week, 99% 2002, 99% avg.; 61% dough, 50% last week, 72% 2002, 78% avg.; 28% mature, 20% last week, 44% 2002, 22% avg. Soybeans 3% very poor, 17% poor, 37% fair, 40% good,

3% excellent; 76% blooming, 60% last week, 80% 2002, 76% avg.; 54% setting pods, 37% last week, 57% 2002, 51% avg. Peanuts 85% setting pods, 64% last week, 84% 2002, 80% avg.; 1% mature, n/a last week, 4% 2002, 2% avg. Cotton 99% squaring, 90% last week, 94% 2002, 96% avg. Alfalfa Hay 5% very poor, 17% poor, 43% fair, 31% good, 4% excellent; 95% 3rd cutting, 93% last week, 93% 2002, 85% avg.; 25% 4th cutting, 7% last week, 38% 2002, 25% avg.; Other Hay 6% very poor, 17% poor, 46% fair, 27% good, 4% excellent; 99% 1st cutting, 97% last week, 98% 2002, 97% avg.; 46% 2nd cutting, 37% last week, 65% 2002, 42% avg. Watermelons 91% harvested, 77% last week, 83% 2002, 77% avg. Livestock 1% very poor, 3% poor, 29% fair, 53% good, 14% excellent; Pasture, Range 7% very poor, 26% poor, 40% fair, 24% good, 3% excellent; Livestock conditions were rated as mostly fair to good. Supplemental feeding continued in drier areas that lacked sufficient pastures. Producers were conserving hay as much as possible due to the short supplies. Livestock insect activities were rated as mostly light to moderate. Cattle auctions reported an average increase in marketings for the week. The price for feeder steers less than 800 pounds increased from last week by an average of eighty two cents per cwt. and averaged \$94.71 per cwt. The average price for feeder heifers less than 800 pounds also increased from last week by seventy-five cents per cwt. and averaged \$90.04 per cwt

OREGON: Days suitable for fieldwork: 6.4. Topsoil 36% very short, 45% short, 19% adequate. Subsoil 39% very short, 43% short, 18% adequate. Barley harvested 80%, 74% previous week, 69% 2002, 51% 5 yr avg. Winter wheat harvested 85%, 70% previous week, 83% 2002, 72% 5-yr avg. Spring wheat harvested 69%, 64% previous week, 55% 2002, 44% 5-yr avg. Range, Pasture 12% very poor, 20% poor, 49% fair, 16% good, 3% excellent. Activities: Increase in precipitation, considerably cooler temperatures occurred across state last week. Thunderstorms, hail reported in several counties, bringing damaging effects to crops. A particularly severe hailstorm hit in Malheur County, created flash flood conditions. Run-off damage due to heavy storms reported in Morrow, Sherman counties. Also in Sherman County, several fires caused by lightning, kept in check by rain. Thunderstorms not as damaging in western state, although Jackson, Josephine counties reported some hail. Medford reported over an inch, a half of weekly precipitation. By end week's end, storms subsided, hot, dry conditions began to return. Grain, hay harvests continued Statewide. In Sherman county, a severe rain storm delayed harvest for a few days. Wasco County wheat producers reported a good harvest. Rain delayed harvest for a few days but conditions still dry there. Third cutting of alfalfa underway. Union County grass seed yields down, winter wheat showing weather damage. Second cutting of dryland alfalfa yields down, most dryland producers will not get a third cutting. Irrigated alfalfa looking good, should give good third cutting. Winter wheat, mint, barley harvest continued. Harvest began in most parts of Walla Walla County. Marion County grass seed harvest nearly completed. Sugarbeet seed fields have been swathed, winter wheat harvest in full swing, mint harvest underway. Wheat harvest continued in Washington County, wrapping up in Clackamas County. Grain harvest, second cutting of alfalfa winding down in Jackson, Josephine counties. Vegetable harvest active, which included fresh sweet corn, cucumbers, early tomatoes, green beans, bell peppers. Most summer vegetables available for local markets. Roadside stands, farmers markets, U-Picks active. Cannery sweet corn nearing harvest time. A severe hailstorm hit between Vale, Ontario in Malheur County with complete loss of some fields of onions. Storm damage to potatoes occurred in parts of central state as well. Nurseries getting ready for sales stock. Activities: Feeding, watering, weeding of late summer, fall, winter plants. Easter lily growers continued making preparations for planting, harvesting. Growth good at nurseries where irrigation plentiful. Blackberry harvest continued in Willamette Valley & southern state. Other cranberries being pruned, renovated for next year. Early apples picked in Lane County on a moderate to good crop. Asian pears starting to ripen. Growers in lower Hood River Valley prepared for Bartlett pear harvest. Some damage to fruit crops in Jackson County during a hail storm on Wednesday. Early pear harvest should begin next week. Southern coast cranberry bloom completed later than usual; fruit set, sizing very good on some farms. Range, pasture feeds continued to decline, despite cooler temperatures, scattered thunderstorms last week. As of August 10, 32% of pasture land reported to be in very poor or poor condition, compared to 20% as of August 3. Dry soil conditions keeping ranchers busy with irrigation, moving livestock to better pastures. Supplemental feeding continued

PENNSYLVANIA: Days suitable for field work 2.0. Soil 1% short, 46% adequate, 53% surplus. Fall plowing 6% complete, 4% 2002, 7% avg. Corn 69% silk, 82% 2002, 84% avg.; 21% dough, 36% 2002, 41% avg.; 3% very poor, 6% poor, 22% fair, 41% good, 28% excellent. Barley 98% harvested, 99% 2002, 99% avg. Winter wheat 95% harvested, 100% 2002, 100% avg. Oats 88% turning yellow, 96% 2002, 97% avg.; 64% ripe, 85% 2002, 83% avg.; 32% harvested, 69% 2002, 62% avg.; 2% very poor, 12% poor, 44% fair, 34% good, 8% excellent. Soybean 1% very poor, 4% poor, 21% fair, 53% good, 21% excellent. Potatoes 6% harvested, 10% 2002, 11% avg. Alfalfa 2nd cutting 83% complete, 90% 2002, 88% avg.; 3rd cutting 35% complete, 55% 2002, 47% avg.; 4th cutting 5% complete, 7% 2002, 5% avg. Timothy clover 1st cutting 95% complete, 99% 2002, 99% avg.; 2nd cutting 28% complete, 54% 2002, 47% avg. Peach crop condition 1% very poor, 1% poor, 8% fair, 47% good, 43% excellent. Peaches 28% harvested complete, 57% 2002, 51% avg. Apple crop condition 1% poor, 18% fair, 65% good, 16% excellent; 10% harvested, 9% 2002, 14% avg. Quality of hay made 18% very poor, 20% poor, 40% fair, 16% good, 6% excellent. Pasture feeds 3% very poor, 10% poor, 23% fair, 52% good, 12% excellent. Activities: Making hay; baling straw; harvesting wheat, oats; spraying pesticides; harvesting fruit, vegetables; hauling manure; spreading fertilizer, lime; fixing fences, general maintenance; caring for livestock; attending county fairs.

SOUTH CAROLINA: Days suitable for field work 4.0. Soil 45% adequate, 55% surplus. Corn 93% doughed, 99% 2002, 97% avg.; 58% matured, 83% 2002, 71% avg.; 5% harvested, 26% 2002, 17% avg.; 1% poor, 16% fair, 55% good, 28% excellent. Soybeans 58% bloomed, 72% 2002, 62% avg.; 21% pods set, 39% 2002, 31% avg.; 1% turning color, 5% 2002, 2% avg.; 2% very poor, 4% poor, 20% fair, 63% good, 11% excellent. Sorghum 90% headed, 89% 2002, 82% avg.; 60% turned color, 63% 2002, 57% avg.; 10% matured, 17% 2002, 16% avg.; 2% harvested, 6% 2002, 5% avg.; 36% fair, 56% good, 8% excellent. Cotton 98% squared, 99% 2002, 99% avg.; 65% bolls set, 78% 2002, 78% avg.; 1% bolls opened, 6% 2002, 4% avg.; 2% poor, 25% fair, 67% good, 6% excellent. Peanuts 98% pegged, 99% 2002, 91% avg.; 14% fair, 74% good, 12% excellent. Pastures 18% fair, 53% good, 29% excellent. Sweetpotatoes 45% fair, 55% good. Tobacco 100% topped, 100% 2002, 100% avg; 61% harvested, 54% 2002, 53% avg.; 6% stalks destroyed, 8% 2002, 10% avg.; 2% very poor, 6% poor, 39% fair, 47% good, 6% excellent. Other Hay 89% harvested, 85% 2002, 86% avg.; 2% poor, 22% fair, 66% good, 10% excellent. Peaches 75% harvested, 79% 2002, 81% avg; 4% poor, 19% fair, 74% good, 3% excellent. Apples 96% fair, 4% good. Watermelons 99% harvested, 98% 2002, 99% avg.; 34% poor, 25% fair, 41% good. Cantaloups 99% harvested, 99% 2002, 99% avg.; 50% fair, 50% good. Livestock 1% poor, 7% fair, 64% good, 28% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.7. Topsoil 23% very short, 33% short, 43% adequate, 1% surplus. Subsoil 22% very short, 32% short, 45% adequate, 1% surplus. Feed supplies 5% very short, 22% short, 70% adequate, 3% surplus. Stock water supplies 24% very short, 25% short, 48% adequate, 3% surplus. Winter Rye harvested 98%, 94% 2002, 88% avg. Barley ripe 95%, 98% 2002, 95% avg. Oats ripe 99%, 100% 2002, 96% avg. Spring Wheat ripe 98%, 100% 2002, 95% avg. Corn tasseled 98%, 99% 2002, 98% avg. Sunflower 5% very poor, 13% poor, 42% fair, 37% good, 3% excellent. Sunflower blooming 59%, 65% 2002, 67% avg. Sunflower ray flowers dry 2%, 20% 2002, 17% avg. Sunflower bracts yellow 0%, 7% 2002, 10% avg. Cattle condition 1% very poor, 4% poor, 21% fair, 58% good, 16% excellent. Sheep condition 16% poor, 14% fair, 53% good, 17% excellent. Range, Pasture 14% very poor, 16% poor, 34% fair, 31% good, 5% excellent. Corn silage harvested 1%, 3% 2002, 1% avg. Sorghum silage harvested 1%, 4% 2002, 1% avg. Alfalfa hay 9% very poor, 15% poor, 31% fair, 37% good, 8% excellent. Alfalfa hay 2nd cutting harvested 91%, 81% 2002, 82% avg.; 3rd cutting harvested 17%, 32% 2002, 24% avg. Other hay harvested 94%, 92% 2002, 86% avg. Farmers, ranchers in several areas of the state received welcomed rains, while other areas got passed over and received no precipitation last week. Temperatures varied from above normal to below normal, with crop progress advancing, conditions remaining fairly consistent to the previous week. Activities: Cutting hay, harvesting small grains, spraying, fixing fences, working summer fallow, caring for livestock.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 3% short, 77% adequate, 20% surplus. Subsoil 4% short, 86% adequate, 10% surplus.

Pastures 2% poor, 14% fair, 64% good, 20% excellent. Tobacco 63% topped, 56% 2002, 65% avg.; 2% very poor, 6% poor, 35% fair, 46% good, 11% excellent. Burley 4% harvest, 8% 2002, 12% avg. Dark-air cured 1% harvested, 8% 2002, 11% avg. Dark-fired cured 7% harvest, 8% 2002, 13% avg. Tobacco harvest for the State began on a limited basis this past week despite frequent scattered showers. For those not yet harvesting, the main activities were topping, applying fungicides. Wet weather continued last week, while temperatures averaged below normal. As a result, crop, pasture feeds improved slightly. Corn silage harvest continued throughout the State. Showers last week hampered cotton, soybean producers from spraying insecticides, herbicides.

TEXAS: Agricultural Summary: Hot temperatures, dry conditions dominated most areas of the state during the week. Temperatures surpassed 100° in many locations for several days. The dry, hot weather caused soil moisture to dry up, stressed crops. A few storms managed to drop scattered rainfall in counties of North, Central, East state, some Coastal areas. Developing crops continued to make good progress where moisture was adequate. Irrigation was in full swing where water was available. Harvest of summer crops continued across the state with only minor delays occurring. Baling of hay continued. Weed, insect pressures were low, but increased in some areas. Damage from grasshoppers, armyworms, corn borer, web worms was visible in a few locations. Land preparation for fall planting continued. Range, pasture feeds were becoming extremely dry. Livestock conditions remained fair to good, varied due to pasture availability, stocking rate. Cattlemen continued supplemental feeding, hauling water. Poultry in East state were affected by the heat. Very hot, dry conditions sparked rangeland fires. Small Grains: Preparation for wheat, oat planting continued despite dry conditions. Many producers were waiting for rain before planting. Corn: Farmers continued to irrigate corn across the Plains. In the Blacklands, other central areas, harvest made good progress with open conditions. Corn borer, other pests increased in the Plains. Corn 60% of normal, 59% 2002. Cotton: Due to the hot, dry conditions, cotton progressed rapidly in most locations. The heat continued to take its toll in the driest areas. Dryland fields continued to show stress due to high temperatures, lack of water. Irrigation remained active. Some dryland acreage was beginning to cut-out due to the extreme conditions. Cotton pests were on the increase in some fields, but were under control. Harvest continued in southern areas under mostly open weather. Cotton 58% normal, 68% 2002. Sorghum: In the Plains, irrigated sorghum was developing well, continued to make fair to good progress. Some dryland fields were burning up, some fields needed rainfall to continue to develop. In other areas, harvest had started, was making good progress. Yields varied from area to area, but many fields with poor rainfall were showing below average yields. Sorghum 59% normal, 60% 2002. Peanuts: Peanuts were still looking good except in areas where water was short. Some fields were beginning to show stress where water was not adequate. Pod rot was showing up in some fields. Producers were treating fields that had pests. Peanut 88% normal, 8% 2002. Rice: Rice harvest continued to move forward but was slower in fields affected by heavy winds, light showers. Rice production was showing good quality, yields. Rice 88% normal, compared with 93% 2002. Soybeans: Irrigated soybeans continued to make good progress, but dryland soybeans continued to suffer. Harvest of earlier planted soybeans continued to expand along more areas of the state. Commercial Vegetables, Fruit and Pecans. In the Rio Grande Valley land preparation remained active in most locations. Additional moisture will be needed to aid in preparation. In the San Antonio-Winter Garden, harvest of remaining vegetables was near completion, other activities were minimal. Land preparation for fall planting moved forward. In East state, harvest of watermelons continued as conditions allowed. Some early sweet potato harvest was taking place. Harvest of remaining vegetable crops was just about complete. In the High Plains, pumpkins were progressing well. Vegetable harvest continued in some locations. In the Trans Pecos region, harvest of vegetable crops continued. Cantaloupe prices were low, but watermelon prices were holding steady. Pecans, Grapes: Pecans continued to make good to fair progress across the state. Nut dropping continued in some locations. Pecan growers were anticipating a bumper crop in some parts of the state. In some areas, pecan trees were stressed by dry, hot conditions. Grape harvest was nearing completion in some locations. Range, Livestock: Condition of range, livestock continued to decrease as the hot, dry weather continued. Range condition was deteriorating quickly in the 100+ degree heat. Stock tanks were getting low or dry, ranchers were hauling water in some dry areas. Pastures in some locations were still in fair shape for this time of year. Hay cutting was in full swing where

conditions allowed. Supplemental feeding continued in areas where pasture feeds were poor. Insect populations, especially armyworms, grasshoppers, other pests, continued to cause problems in some locations. Salt water shrimp were growing, developing well

UTAH: Days suitable for fieldwork 6.9. Topsoil 21% very short, 46% short, 33% adequate, 0% surplus. Subsoil 27% very short, 39% short, 34% adequate, 0% surplus. Alfalfa Hay 2nd cutting 90%, 92% 2002, 90% avg.; 3rd cutting 10%, 23% 2002, 17% avg. Barley harvested (grain) 59%, 47% 2002, 55% avg.; 0% very poor, 2.0% poor, 19% good, 71% excellent. 8.0% Cattle/Calves 0% very poor, 4.0% poor, 24% fair, 59% good, 13% excellent. Corn silked (tasseled) 81%, 72% 2002, 67% avg.; 14% dough, 12% 2002, 8.0% avg.; 0% very poor, 3.0% poor, 25% fair, 65% good, 7.0% excellent; Corn Height 76", 77" 2002, 75" avg. Irrigation Water Supplies 41% very short, 40% short, 19% adequate, 0% surplus. Oats 100% headed, 97% 2002, 96% avg.; harvested (grain) 42%, 32% 2002, 30% avg.; Harvested for Hay or Silage 91%, 91% 2002, 85% avg. Other Hay cut 92%, 97% 2002, 90% avg. Peaches picked 15%, 14% 2002, 14% avg. .Range, Pasture 9% very poor, 21% poor, 35% fair, 33% good, 2%b excellent.t Sheep Condition 0% very poor, 4.0% poor, 23% fair, 65% good, 8.0% excellent. Wheat 0% very poor. Spring Wheat 15% poor, 27% fair, 52% good, 6.0% excellent; 59% harvested, 49% 2002, 49% avg. Stock Water Supplies 14% very short, 46% short, 40% adequate, 0% surplus. Tart Cherries 82% picked, 100% 2002, 96% avg. Winter Wheat 77% harvested, 68% 2002, 65% avg. High temperatures ranged from the mid 70's to low 100's, while the lows were between the high 40's and high 70's. Though most counties received rain, few if any, recorded more than an inch during the last week. Activities: Irrigating field crops, cutting hay, tending livestock, harvesting grains, picking fruit. Irrigated crops fared very well this week, especially hay, corn silage. Some farmers have reported that they are already out of water for the year. The grain harvest continued this week. While some counties reported high yields, others such as Cache county experienced low yields, perhaps due to mid-May frosts. Where irrigation is not possible, crops showed signs of drought stress. Livestock, for the most part, did very well last week. Pests, such as horn flies, mosquitos, have caused problems for livestock in areas where the farmers have not tried to control them. In fact, on Cedar Mountain an outbreak of grasshoppers damaged many rangeland acres.

VIRGINIA: Days suitable for fieldwork 2.9. Topsoil 1% short, 55% adequate, 44% surplus. Subsoil 2% short, 70% adequate, 28% Surplus. Pasture 4% poor, 15% fair, 48% good, 33% excellent. Livestock 1% poor, 16% fair, 61% good, 22% excellent. Other Hay 2% very poor, 6% poor, 29% fair, 45% good, 18% excellent. Alfalfa Hay 7% poor, 23% fair, 51% good, 19% excellent. Corn for Grain 10% very poor, 8% poor, 26% fair, 37% good, 19% excellent. Corn 84% silked, 96% 2002, 92% 5-yr avg.; 53% dough, 75% 2002, 56% 5-yr avg.; 22% dent, 47% 2002, 29% 5-yr avg.; Silage 2% harvested, 5% 2002, 2% 5-yr avg. Soybeans 1% very poor, 7% poor, 22% fair, 46% good, 24% excellent. Soybeans 59% blooming, 74% 2002, 61% 5-yr avg.; 31% setting pods, 44% 2002, 34% 5-yr avg. Flue Tobacco 21% very poor, 24% poor, 30% fair, 24% good, 1% excellent; 14% harvested, 9% 2002, 15% 5-yr avg. Burley Tobacco 6% very poor, 18% poor, 36% fair, 34% good, 6% excellent. Dark Fire Tobacco 4% very poor, 21% poor, 38% fair, 33% good, 4% excellent. Sun Tobacco 71% fair, 29% good. Peanuts 6% poor, 26% fair, 53% good, 15% excellent. Peanuts 72% pegged, 94% 2002, 97% 5-yr avg. Cotton 8% poor, 35% fair, 43% good, 14% excellent; 98% squaring, 100% 2002, 100% 5-yr avg.; 78% setting bolls, 100% 2002, 91% 5-yr avg. Summer Potatoes 95% harvested, 100% 2002, 95% 5-yr avg. Apples 20% poor, 35% fair, 43% good, 2% excellent. Summer Apples 72% harvested, 81% 2002, 72% 5-yr avg. Peaches 63% harvested, 71% 2002, 59% 5-yr avg. Grapes 16% poor, 29% fair, 54% good, 1% excellent. State experienced more scattered thunderstorms this week. Most areas of the state received heavy rains, while a few parts of Virginia saw only a small amount of precipitation. State temperatures were just a little below normal for the week, while rainfall averages were above normal. The precipitation was good for crop growth, but did not allow for much fieldwork. Pastures are doing well, livestock look good. Despite the rain, peach, apple harvest were well underway. The rain storms caused damage to some vegetable crops such as tomatoes, melons. There was a deficiency of nitrogen in some corn, hay crops. Several hay crops are getting too mature as a result of the rain not allowing farmers to cut it. Corn, soybeans, some fruit crops as showing signs of fungal diseases. There is also some disease pressure present in the horticultural fields due to the excess moisture. Activities: Marketing lambs, stockers, applying

post-emergence herbicides, insecticides to double-cropped soybeans, getting machinery ready for corn silage harvesting, topping tobacco, scouting, harvesting vegetables, scouting peanuts, cotton for insects, diseases, repairing machinery, attending county fairs, food festivals, cleaning up around the farm

WASHINGTON: Days suitable for fieldwork averaged 6.3. Topsoil 44% very short, 27% short, 29% adequate. Subsoil 16% very short, 32% short, 52% adequate. Irrigation water supplies were 4% very short, 9% short, 87% adequate. The highest temperature in the state was 100° in Colville. The lowest temperature in the state was 44° in Olympia. Winter wheat 68% harvested, 3% very poor, 7% poor, 28% fair, 51% good, 11% excellent. Spring wheat 44% harvested, 7% very poor, 22% poor, 40% fair, 31% good. Barley 40% harvested, 7% very poor, 23% poor, 45% fair, 24% good, 1% excellent. Rain showers in the Palouse slowed harvest activity, while not causing any grain quality damage. Winter, spring dryland cereal harvest progressed as well as peas, lentils. The second cutting of alfalfa wrapped up while the third cutting was well underway. Skagit County reported some signs of early blight, but no signs of late blight in potato fields. Potatoes 27% harvested, 11% fair, 74% good, 15% excellent. Corn for silage was 4% harvested, 9% fair, 91% good. Dry peas 52% harvested. Dry edible beans 2% harvested, 5% fair, 65% good, 30% excellent. Alfalfa 2nd cutting of was 100% complete, 3rd cutting 48% complete. Hay, other roughage supplies 3% very short, 6% short, 82% adequate, 9% surplus. Range, pasture feeds 7% very poor, 19% poor, 52% fair, and 22% good. Light rains helped some pastures which were still growing, but supplemental feeding continued to be reported. Clam seeding continued in Pacific County, while oyster transplanting finished. Blueberry harvest continued with a few reports of mummyberry in Snohomish, Northern King Counties, resulting in lower yields than normal. Pumpkins were also reported as small, not coloring well for the fall market due to the hot, dry conditions over the past few weeks. Raspberry harvest was winding down while harvest on cole crops, vegetable seeds, apricots, peaches, carrots, sweet corn, watermelons, tomatoes continued. In the Yakima Valley, harvest of Ginger Gold, Gala apples began

WEST VIRGINIA: Days suitable for field work 2.7. Topsoil 62% adequate, 38% surplus, 5% very short, 55% short, 40% adequate 2002. Corn 12% poor, 34% fair, 51% good, 3% excellent; 57% silked; 76% in 2002, 75% for the 5-yr. avg.; 21% dough; 35% in 2002, 26% 5-yr avg. Soybeans 3% poor, 32% fair, 65% good; 59% blooming, 80% in 2002, 67% 5-yr avg.; setting pods 35%, 40% in 2002, 31% 5-yr. avg. Winter Wheat 23% poor, 48% fair, 29% good; harvested for grain 92%, 100% 2002, 98% 5-yr avg. Oats 1% poor, 34% fair, 54% good, 11% excellent; harvested 42%; 85% 2002, 75% 5-yr avg. Tobacco 1% very poor, 23% poor, 50% fair, 26% good; topped 16%; 50% 2002, 24% 5-yr. avg. Hay 1% very poor, 5% poor, 25% fair, 62% good, 7% excellent, 1st cutting 93% complete, 100% in 2002, 100% 5-yr avg; 2nd cutting 17%, 70% 2002, 53% 5-yr avg. Apples 6% poor, 38% fair and 56% good. Peaches 8% poor, 39% fair, 53% good; 20% harvested. Cattle, calves 1% poor, 20% fair, 65% good, 14% excellent. Sheep, Lambs 12% fair, 73% good, and 15% excellent. Heavy thunderstorms continue to inhibit hay, small grain harvesting, crop progress. Some localized flooding was reported. Problems with weeds, pest control were reported. Wet, muddy conditions are effecting livestock. Concern for time left in the growing season remains.

WISCONSIN: Days suitable for fieldwork 5.4. Soil 15% very short, 37% short, 44% adequate, 4% surplus. The first full week of August brought spotty rains for state farmers. Rainfall amounts were extremely varied across the state. Large areas of the state received little or no rains for the week, while scattered areas had beneficial showers. The eastern half of the state had the more significant rains. The rains have helped stressed crops, but most producers are still waiting for that "good soaker." The 52% in the short to very short range is 5 percentage points higher than last week. Pastures began to show more stress, producers are supplementing hay in some areas. Pasture feed 13% very poor, 24% poor, 39% fair, 22% good, 2% excellent.

WYOMING: Days suitable for field work 6.9. Topsoil 30% very short, 52% short, 18% adequate. Subsoil 30% very short, 49% short, 21% adequate. Winter wheat 95% harvested, 92% 2002, 91% 5-yr avg. Barley 85% mature, 67% 2002, 71% 5-yr avg.; 58% harvested, 44% 2002, 41%

5-yr avg.; 1% poor, 24% fair, 59% good, 16% excellent. Oats 57% mature, 45% 2002, 48% 5-yr avg. Oats 23% harvested, 26% 2002, 23% 5-yr avg.; 4% poor, 37% fair, 49% good, 10% excellent. Spring wheat 60% mature, 44%, 2002, 55% 5-yr avg.; 33% harvested, 24% 2002, 27% 5-yr avg.; 2% poor, 54% fair, 42% good, 2% excellent. Sugarbeets 2% poor, 15% fair, 70% good, 13% excellent. Corn 82% silked, 2002 71%, 78% 5-yr avg.; in milk 54%, 28% 2002, 37% 5-yr avg.; 1% poor, 25% fair, 62% good, 12% excellent. Dry beans 86% setting pod, 57% 2002, 69% 5-yr avg.; leaves turning color 4%, 8% 2002, 9% 5-yr avg.; 3% poor, 18% fair, 64% good, 15% excellent. Alfalfa 2nd cutting harvested 48%, 42% 2002, 44% 5-yr avg. Other hay harvested 82%, 75% 2002, 75% 5-yr avg. Range, pasture feed 8% very poor, 16% poor, 53% fair, 22% good, 1% excellent. Stock water supplies 15% very short, 39% short, 46% adequate. Temperatures remained well above normal with Kaycee, Greybull, Gillette hitting the 100° mark. Precipitation was scattered and light. Almost all stations were below normal. The heaviest moisture fell in Douglas with 0.60 inch, Wheatland with 0.51 inch, Afton with 0.29 inch.