

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.2. Topsoil 0% very short, 15% short, 73% adequate, 12% surplus. Corn 97% silked, 89% 2002, 94% avg.; 78% dough, Corn 46% dented, 16% mature, 4% harvested, 1% very poor, 4% poor, 11% fair, 44% good, 40% excellent. Soybeans 97% planted, 100% 2002, 100% avg. 92% emerged, 100% 2002, 100% avg.; 0% very poor, 5% poor, 22% fair, 69% good, 4% excellent. Winter wheat 2% very poor, 11% poor, 53% fair, 31% good, 3% excellent. Pasture feed 0% very poor, 1% poor, 16% fair, 56% good, 27% excellent. Livestock condition: 0% very poor, 4% poor, 20% fair, 56% good, 20% excellent. Much of the state received rain. Farmers are using layby herbicide applications, plant growth regulator applications in cotton. Harvesting hay.

ALASKA: Days suitable for fieldwork 4.0. Topsoil 25% short, 75% adequate. Subsoil 40% short, 60% adequate. Daytime high temperatures were in the seventies, eighties across most of the state. Lows were generally in the forties and fifties. Barley 25% in dough, 39% 5-yr avg.; 10% poor, 60% fair, 30% good. Oat 100% headed, 10% poor, 45% fair, 45% good. Potatoes 15% in bloom, 5% poor, 15% fair, 60% good, 20% excellent. Hay harvest 1st cutting 85% complete, 10% poor, 30% fair, 50% good, 10% excellent. Range, pasture feeds 5% poor, 25% fair, 60% good, 10% excellent. Rain fell in the Delta Junction area last week, stopping the hay harvest but providing some much needed moisture to crops.

ARIZONA: Temperatures for the State were well above average for the week. Cotton 84% squaring, 100% 2002, 99% 5-yr avg.; 65% setting bolls, 79% 2002. Alfalfa conditions were mostly good, with harvest progressing at a normal rate. Small grain harvest is complete. Precipitation was reported at 9 of the 17 reporting stations with 0.02 to 0.20 inches. Range, pasture feeds have not improved.

ARKANSAS: Days suitable for fieldwork 4. Soil 8% very short, 43% short, 46% adequate, 3% surplus Corn 98% Silked, 96% 2002, 58% 5-yr avg.; 70% dough, 47 2002, 29% 5-yr avg.; 25% dent, 0% very poor, 2% poor, 18% fair, 52% good, 28% excellent. Soybeans 100% planted, 99% 2002, 100% 5-yr avg.; 99% emerged, 97% 2002, 98% 5-yr avg.; 40% blooming, 46% 2002, 45% 5-yr avg.; 19% Setting Pods, 22% 2002, 17% 5-yr avg.; 3% very poor, 10% poor, 30% fair, 43% good, 14% excellent. Sorghum: 87% heading, 76% 2002, 76% 5-yr avg.; 38% turning color, 33% 2002, 22% 5-yr avg.; 1% very poor, 4% poor, 28% fair, 48% good, 19% excellent. Cotton 97% squaring, 100% 2002, 100% 5-yr avg.; 64% setting bolls, 76% 2002, 82% 5-yr avg.; 0% very poor, 6% poor, 32% fair, 47% good, 15% excellent. Rice 19% headed, 21% 2002, 20% 5-yr avg.; 1% very poor, 4% poor, 23% fair, 50% good, 22% excellent. Winter Wheat 100% harvested, 100% 2002, 100% 5-yr avg. Hay -other: 0% very poor, 2% poor, 32% fair, 54% good, 12% excellent. Hay - Alfalfa: 0% very poor, 2% poor, 31% fair, 64% good, 3% excellent. Pasture, Range 1% very poor, 4% poor, 26% fair, 60% good, 9% excellent. CROPS: Activities: Irrigating crops, spraying fungicides, insecticides, harvesting hay. Farmers are applying herbicides in soybean, rice fields. Some Rice fields are being treated for sheath blight, blast, insects. Nematodes are continuing to show up in some soybean fields. Some cotton is being sprayed for bollworms, plant bugs. In many portions of the state, corn, milo irrigations are coming to a close. Reports were received that late season milo is burning up. Peaches, blackberries,

tomatoes, watermelons are being harvested. Pecan trees are starting to drop some nuts. LIVESTOCK: Livestock were reported to be in good condition. Throughout the past week producers were working cattle, harvesting hay, controlling weeds, fertilizing pastures, hay meadows. Many of these fields are starting to dry out due to the limited amount of rainfall. Additional soil moisture is needed for re growth.

CALIFORNIA: Bloom in cotton fields increased throughout much of the State. Some cotton plants were beginning to set bolls. Cultural operations in cotton fields included irrigation, cultivation, treatments to control insect pests. Harvesting of wheat, barley for grain, certified seed continued. Rust continued to affect some wheat fields, with losses to yield, quality reported. Straw in harvested grain fields was baled, stacked. Harvested grain fields were disced in preparation for double cropping or planting of next season's crop. Alfalfa hay was cut, windrowed, baled, stacked. Alfalfa hay quality was generally good, but reduced in a few fields due to excessive heat. Seed alfalfa fields continued to make good progress, with many fields still in bloom. Irrigation, treatments to control insect pests were ongoing in alfalfa hay, seed fields. Corn, small grains grown for silage were harvested in several locations. Corn for both seed, animal feed showed rapid growth. Irrigation, cultivation of corn fields continued. Some corn fields were treated with pesticides to control weeds, aphids, mites. Several sorghum fields were treated for weeds. Sugar beet harvesting continued in some areas, with good quality, yields reported. Maturing sugar beet fields were irrigated, treated with fungicides as needed. Fields of sunflower, safflower were drying down in preparation for harvest. Plants in a few sunflower fields were still small due to late planting. Rice continued to thrive. Plants began to head out in a few fields. Herbicide treatments, the top dressing of fertilizer continued in rice fields. Early-planted blackeye beans finished blooming and were setting pods. Harvesting of spring potatoes was winding down. Table grape harvesting was underway in most locations, with good fruit color, maturity reported. Field work in vineyards included cane cutting, irrigation, cultivation, treatments to control insect pests. Harvesting of stone fruit continued across the State. Recent hot weather accelerated fruit maturity. Varieties harvested included Summer Sweet peaches, Summer Bright nectarines, Catalina plums, Flavor Queen pluots. Apricot harvesting continued in some locations. Harvesting of Asian pears commenced in the Selma District. Summer pruning was underway in many harvested stone fruit orchards. Irrigation, cultivation, fruit thinning, insect control treatments continued. Fig harvesting continued. Pomegranates were sizing well, being irrigated. A few fields of strawberries continued to be harvested in Northern state. Boysenberries, raspberries, blueberries were harvested in the San Joaquin Valley. Citrus, olive orchards were irrigated, treated to control insect pests. A few new citrus orchards were being planted in ground previously occupied by grapevines. Valencia orange harvesting remained slow. Many Valencia loads required gassing due to regreening. A few lemons continued to be harvested. Most olive orchards had reached the pit hardening stage. Fruit was sizing well. Orchards continued to be treated, monitored for olive fruit flies. Avocados were sizing, developing normally. Almonds continued to mature steadily. Many limbs continued to be propped up due to a heavy crop. Hull split was noted in many orchards. Orchard floors were treated to control weeds in anticipation of harvest, trees were sprayed for mites. Walnut orchards were irrigated, treated with fungicides. Codling moth treatments continued. Summer vegetables continued to thrive under warm weather conditions. Seed

lettuce growth was progressing normally. Fresh market and processing tomatoes were sizing well and showing good color development, though some sunburn was noted. Irrigation, weeding continued in many tomato fields. Growers were spraying beans, tomatoes for worms, mites, mildew. Maturing melon fields were irrigated. Melon harvesting was in full swing. Harvested melons were picked, rushed to storage for cooling, shipping. The following vegetables were also Harvested: Artichokes, broccoli, cabbage, carrots, cauliflower, celery, cilantro, cucumbers, eggplant, garlic, green onions, mustard greens, onions, parsley, hot peppers, spinach, squash, sweet corn, processing tomatoes. Beef cows were still on foothill pastures on some ranches in the central, northern parts of the State. Supplemental feeding to meet protein requirements or in over-grazed areas was taking place. Dry grass was abundant on many foothill pastures due to spring rains. Fire danger was high, particularly on pastures where cattle had been removed. Some non-irrigated mountain pastures were being stressed by the hot weather. Sheep were grazing in fallow fields and harvested grain fields. Hot weather was reducing milk production

COLORADO: Days suitable for field work 6.7. Topsoil 31% very short, 48% short, 21% adequate, 0% surplus. Subsoil 24% very short, 50% short, 26% adequate, 0% surplus. Most of state remained hot, dry this week with little or no relief. Crop conditions continue to decline statewide. Spring wheat 54% turning color, 47% 2002, 50% avg.; 10% harvested, 12% 2002, 11% avg.; 3% poor, 18% fair, 54% good, 25% excellent. Spring barley 58% turning color, 52% 2002, 61% avg.; 4% harvested, 14% 2002, 11% avg.; 4% poor, 16% fair, 55% good, 25% excellent. Sunflower condition 4% very poor, 7% poor, 29% fair, 45% good, 15% excellent. Alfalfa 2nd cutting 31%, 38% 2002, 40% avg.; 2% very poor, 9% poor, 22% fair, 47% good, 20% excellent. Dry beans 20% flowered, 34% 2002, 34% avg.; 26% fair, 60% good, 14% excellent. Sugar beets condition 2% poor, 2% fair, 65% good, 31% excellent. Summer potatoes condition 2% poor, 9% fair, 50% good, 39% excellent. Fall potatoes condition 7% poor, 34% fair, 47% good, 12% excellent. Dry onions condition 1% poor, 10% fair, 58% good, 31% excellent.

DELAWARE: Days suitable for fieldwork 4.8. Topsoil 60% adequate, 40% surplus. Subsoil 67% adequate and 33% surplus. Corn 4% very poor, 19% poor, 26% fair, 33% good, 18% excellent; 34% silked, 78% 2002, and 62% avg. Soybean 14% poor, 29% fair, 50% good, 7% excellent. Sorghum condition 4% poor, 35% fair, 44% good, 17% excellent. Barley 97% harvested, 100% 2002, 100% avg. Winter wheat 83% harvested, 99% 2002, 96% avg. Pasture feed 3% poor, 25% fair, 50% good, 22% excellent. Other hay 2nd cutting 44%, 95% 2002, 82% avg. Alfalfa hay 2nd cutting 48%, 96% 2002, 93% avg. Watermelons 10% harvested, 14% 2002, 10% avg. Snap beans 30% harvested, 36% 2002, 30% avg. Sweet corn 12% harvested, 25% 2002, 21% avg. Cantaloups 5%, 15% 2002, 11% avg. Hay supplies 38% short, 50% adequate, 12% surplus. Scattered showers delayed some wheat fields from being harvested. Barley harvest is nearing completion, wheat harvest should be complete in one to two weeks. Double crop soybeans are still being planted. Some soybean fields are only 6-8 inches high, well behind normal for this time of year. Local sweet corn is being harvested, potatoes, melons will be harvested this week. A small amount of harvest progress was made for snap beans, cantaloups

FLORIDA: Temperature average: mostly 1 to 3 deg. below normal; some southeastern peninsula, Panhandle. Big Bend temperatures averaged normal to 1 deg above. Daytime highs: 80s, 90s. Nighttime lows: mostly 70s. Rainfall range: traces in southeastern Peninsula, some Panhandle, some Big Bend localities, to nearly 4:00 in. at Daytona Beach. Topsoil moisture 1% very short, 19% short, 65% adequate, 15% surplus. Subsoil moisture: 5% short, 80% adequate, 15% surplus. Topsoil, subsoil moisture supplies mostly adequate, Panhandle, except for some short supplies short to adequate depending on recent rainfall. Central, southern Peninsula soil moisture rated mostly adequate to surplus; very short to short supplies. southeastern coast. Peanuts pegged; 85%; 86% last year: 79% 5-yr. average. Peanut condition: 1% fair, 79% good, 20% excellent. Excessive rains over some Jackson County peanut fields caused spotty pegging. Wet spots in some Okaloosa County peanut, cotton fields lag normal growth; most in very good condition. Washington County cotton in very good condition except for low lying areas retaining moisture. Pressure from armyworms increasing in some Washington County hay fields. Showers in Union County delaying baling of some second hay cuttings, Union County tobacco harvest about 70% finished.

Corn silage harvesting continued in Panhandle. northern Peninsula. Tomato harvesting finished, Quincy. Some Union County growers selling southern peas, butterbeans at local Farmer's Market. Dade County growers harvesting okra. Field preparation for all crop planting active. Hot, humid summer time weather citrus areas. Thunderstorms, severe lightening storm on Friday in northern, central areas provided up to three inches in locations; others got very little. Trees in excellent condition. Growers controlling cover crops, spraying, replacing dead trees. Pasture feed: 10% fair, 75% good, 15% excellent. Cattle condition: 15% fair, 75% good, 10% excellent. Panhandle: Armyworm damage in some Bermuda hay fields. Central, south: Afternoon rainfall delaying second cutting of hay. Excess moisture in Osceola County reducing forage quality, insect pest a challenge to livestock. Stock ponds' water level near normal, finally. Statewide: Cattle condition mostly good.

GEORGIA: Days suitable for field work 5.3. Soil 1% very short, 14% short, 70% adequate, 15% surplus. Corn 57% dent, 76% 2002, 70% avg.; 13% mature, 31% 2002, 26% avg.; 0% harvested for grain, 4% 2002, 2% avg. Hay 3% poor, 21% fair, 61% good, 15% excellent. Peanuts 93% blooming, 99% 2002, 97% avg. Sorghum 4% poor, 21% fair, 67% good, 8% excellent; 99% planted, 100% 2002, 98% avg. Soybeans 98 emerged, 100% 2002, 97% avg.; 39% blooming, 52% 2002, 44% avg. Tobacco 1% very poor, 6% poor, 29% fair, 53% good, 11% excellent; 31% harvested, 30% 2002, 28% avg. Watermelons 94% harvested, 90% 2002, 88% avg. Apples 1% very poor, 4% poor, 19% fair, 58% good, 18% excellent; 6% harvested, 6% 2002, 3% avg. Peaches 72% harvested, 80% 2002, 82% avg. Pecans 4% poor, 27% fair, 57% good, 12% excellent. Wet field conditions slowed field work last week. Hay quality was poor due to over maturity. Growers applied herbicide to pastures, hayfields. Crops began to wilt across south state due to lack of rain. Some fields were irrigated for the first time. Scattered showers were beneficial, however, not widespread. Corn was heavily infested with rust. Cotton pests increased in fields. Peaches appeared in good condition. Activities: Harvesting tobacco, spraying peanuts, pecans for disease, baling hay, the routine care of livestock, poultry.

HAWAII: Light to moderate trade winds kept conditions dry with isolated rainfall throughout the State. East state banana orchards remained in generally fair to good condition with good yields, fruit quality. Big Island papaya orchards were in fair to good condition with ample moisture, sunny weather. Vegetables remained in mostly fair to good condition, but some areas are still feeling the adverse effects of the dry weather.

IDAHO: Days suitable for fieldwork 6.9 Topsoil 28% very short, 40% short, 32% adequate, 0% surplus. Above normal temperatures across the state, combined with little to no precipitation made for perfect haying conditions this past week. However, dryland spring grain crops continue to stress throughout the state due to lack of moisture. Irrigation Water Supply 7% very poor, 18% poor, 46% fair, 28% good, 1% excellent. Potatoes Closing Middles 90%, 82% 2002, 71% avg.; 0% very poor, 1% poor, 5% fair, 69% good, 25 % excellent. Cherries Harvested 97%, 100% 2002, 97% avg. Winter Wheat Turning Color 87%, 59% 2002, 70% avg.; 0% very poor, 4% poor, 20% fair, 53% good, 23% excellent. Spring Wheat Turning Color 32%, 34% 2002, 31% avg. Barley Turning Color 37%, 43% 2002, 34% avg. Alfalfa Hay 2nd Cutting harvested 46%, 47% 2002, 43% avg. Mint Harvested (1st cutting) 21%, 14% 2002, 11% avg. Dry Peas Harvested 7%, 3% 2002., 13% avg. Activities: Irrigating, cutting hay, harvesting winter wheat, controlling insects, weeds

ILLINOIS: Days suitable for fieldwork 4.8. Topsoil 1% very short, 7% short, 78% adequate, 14% surplus. Oats 96% turning yellow, 94% 2002, 94% avg.; 55% ripe, 69% 2002, 65% avg.; 14% harvested, 37% 2002, 33% avg.; Alfalfa hay 2nd 85%, 77% 2002, 82% avg.; 3rd 5%, 16% 2002, 14% avg.; 1% poor, 17% fair, 65% good, 17% excellent. Storms scattered across the state of state last week brought above normal rainfall, interrupted fieldwork. Many areas were hit with strong winds, hail but only moderate damage was reported. This year's corn crop was reported to be the best crop in many years. Soybeans were reportedly being sprayed for aphids last week as conditions allowed. Last week farmers were observed mowing, scouting fields, detasseling seed corn, finishing wheat, dry pea harvest, cleaning up storm debris

INDIANA: Days suitable for fieldwork 4.2. Topsoil 1% very short, 6% short, 56% adequate, 37% surplus. Subsoil 1% very short, 8% short, 62% adequate, 29% surplus. Heavy rain, thunderstorms again in some areas during the week. Standing water, flooding still a problem for major crops in many fields. Heavy loss of crops in many river bottom fields. Full damage of corn, soybeans is still unknown at this time, but heavy losses expected. Ponding in low lying areas of many fields. Wind damage exists in some fields. Many early planted corn fields are starting to enter the pollination stage. Weeds remain a problem in some soybean fields. Farmers are having a difficult time cutting, baling hay. Temperatures averaged 0 to 7° below normal for the week. Precipitation averaged 0.04 to 2.01 inches. Spraying for weeds, insects continued. Winter wheat damaged by wind, water in some fields. Wheat harvest made good progress in the northern areas. Livestock were under some stress from heat, humidity, standing water. Alfalfa hay 2nd 61% cutting of complete, 71% 2002, 83% avg. Pastures 2% very poor, 6% poor, 26% fair, 54% good, 12% excellent. Activities: Spraying for weeds, insects, cleaning up from water damage, attending county fairs, moving grain to market, hauling manure, mowing, baling hay, certifying crop acreage, mowing roadsides, cleaning up, repairing equipment, taking care of livestock.

IOWA: Days suitable for fieldwork 5.8. Topsoil 1% very short, 12% short, 78% adequate, 9% surplus. Subsoil 3% very short, 15% short, 75% adequate, 7% surplus. Warm temperatures, humid nights provided favorable crop growth conditions last week. Activities: Finishing herbicide applications in soybeans, cutting alfalfa hay for second harvest. Insects were the dominant concern in hay fields, where treatments for leafhoppers were applied. On average, corn grew 11 inches during the past week. Field Crops Report: Oat 96% acreage turning color, 15% acreage harvested for grain. Oat harvest 50% 2002, 33% 5-yr avg.; 1% very poor, 3% poor, 16% fair, 63% good, 17% excellent. The average corn height for state was 71 inches, while the tallest corn height was 83 inches. Corn acreage tasseled 53%, 76% 2002, 67% 5-yr avg.; 32% silked, 57% 2002, 48% 5-yr avg.; 2% milk stage, 1% very poor, 3% poor, 12% fair, 54% good, 30% excellent. Soybean acreage 62% blooming, 84% 2002, 75% 5-yr avg.; 13% setting pods, 1% very poor, 3% poor, 14% fair, 58% good, 24% excellent. Alfalfa hay 2nd cutting 71% complete, 1% very poor, 5% poor, 17% fair, 61% good, 16% excellent. Livestock, Pasture, Range Report: Overall livestock condition was good; however, flies continued to be a problem and daily gains were not as large due to warm weather. Pasture, Range feed 2% very poor, 7% poor, 24% fair, 55% good, 12% excellent

KANSAS: Topsoil 31% very short, 54% short, 15% adequate. Subsoil 18% very short, 55% short, 27% adequate. Sunflowers 11% blooming, 16% 2002, 22% avg.; 1% very poor, 7% poor, 32% fair, 55% good, 5% excellent. Cotton 44% squaring, 4% poor, 24% fair, 60% good, 12% excellent. Hot dry conditions stressed row crops. Some fleahopper treatments to cotton. Hay, forage supplies 1% very short, 12% short, 80% adequate, 7 surplus. Some cattle receiving supplemental feed due to deteriorating pastures.

KENTUCKY: Days suitable for fieldwork 5.3. Topsoil 2% very short, 24% short, 68% adequate, 6% surplus. Subsoil 2% very short, 20% short, 71% adequate, 7% surplus. A beneficial rain was received mid-week across the State. The rain was especially needed in western state. Activities: Baling hay, clipping pastures, topping tobacco, spraying for weeds in soybeans. Tobacco 3% very poor, 14% poor, 26% fair, 47% good, 10% excellent. Burley tobacco blooming 21%, 27% 2002, 36% 5-yr avg.; 6% topped, 9% 2002, 16% 5-yr avg. Dark tobacco blooming 36%, 29% 2002, 41% 5-yr avg. The tobacco crop had mixed reports, with the most common problem being short in height. There were few reports of disease or insects in tobacco statewide. Harvesting of hay continued to be one of the major farming activities this week. Hay 1% very poor, 5% poor, 27% fair, 54% good, 13% excellent. Pasture feed 1% very poor, 7% poor, 24% fair, 49% good, 19% excellent

LOUISIANA: Days suitable for fieldwork 4.9. Soil 11% short, 63% adequate, 26% surplus. Corn 1% poor, 16% fair, 55% good, 28% excellent; 87% dough stage, 82% last week, 88% 2002, 96% avg.; 29% mature, 11% last week, 40% 2002, 53% avg. Hay 1st cutting 99%, 98% last week, 100% 2002, 99% avg.; 38% 2nd cutting, 25% last week, 36% 2002, 38% avg. Peaches 83% harvested, 72% last week, 73%

2002, 87% avg. Rice 10% ripe, 1% last week, 22% 2002, 24% avg. Disease pressure remained high in many fields. Sugarcane 4% very poor, 9% poor, 27% fair, 34% good, 26% excellent. Sweet potatoes 99% planted, 97% last week, 100% 2002, 100% avg. Livestock 5% poor, 37% fair, 46% good, 12% excellent. Vegetables 5% very poor, 14% poor, 48% fair, 25% good, 8% excellent

MARYLAND: Days suitable for fieldwork 5.8. Topsoil 4% short, 76% adequate, 20% surplus. Subsoil 76% adequate, and 24% surplus. Corn 9% very poor, 14% poor, 26% fair, 37% good, 14% excellent; 38% silked, 61% 2002, d 58% avg. Soybeans 7% very poor, 18% poor, 28% fair, 41% good, 6% excellent. Sorghum condition 19% very poor, 9% poor, 38% fair, 21% good, 13% excellent. Barley 98% harvested, 100% 2002, 100% avg. Winter Wheat 76% harvested, 97% 2002, 96% avg. Tobacco condition 3% very poor, 13% poor, 51% fair, 28% good, 5% excellent; 8% bloomed, 22% 2002, 32% avg. Apple condition 34% fair, 52% good, 14% excellent. Peach condition 34% fair, 50% good, 16% excellent. Peaches 7% harvested, 19% 2002, 23% avg. Watermelons 6% harvested, 11% 2002, 11% avg. Snap Beans 24% harvested, 58% 2002, 42% avg. Sweet Corn 15% harvested, 43% 2002, 32% avg. Cantaloups 11% harvested, 31% 2002, 26% avg. Other Hay 2nd cutting 40%, 59% 2002, 67% avg. Alfalfa Hay 2nd cutting 63%, 95% 2002, 91% avg. Pasture feed 4% poor, 21% fair, 50% good, 25% excellent. Hay supplies 15% very short, 30% short, 55% adequate. Mostly sunny with a few scattered thunderstorms surrounded the state last week. Barley harvest is nearing completion, wheat harvest will be complete in one to two weeks. A small amount of harvest progress was made for watermelons, snap beans, cantaloups, sweet corn. Some farmers are still trying to plant double crop soybeans. Tobacco is starting to bloom, the condition is good to fair.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 12% very short, 30% short, 53% adequate, 5.0% surplus. Subsoil 12% very short, 31% short, 54% adequate, 3.0% surplus. All hay 2nd cutting 51%, 48% 2002, 47% avg. Blueberries 20% harvested, NA 2002, NA avg. Corn height 46 in, 47 in 2002, 53 in avg. Dry beans 10% blooming, 12% 2002, 19% avg.; 1.0% setting pods, 4.0% 2002, 4.0% avg. Oats 31% turning yellow, 62% 2002, 74% avg.; 93% headed, 100% 2002, 99% avg.; 0% harvested, 3.0% 2002, 8.0% avg. Tart cherries 51% harvested, NA 2002, NA avg. Last week's weather highly variable across State. Temperatures ranged from 1° below normal eastern Upper Peninsula to 4° below normal three Lower Peninsula districts. Producers in several districts noted very cool nights last week. Precipitation amounts ranged from 0.21 inches west central Lower Peninsula to 1.23 inches eastern Upper Peninsula. Several districts reported severe weather, some storm damage. Some growers reported water damage to low lying crops. Other districts still reported a lack of moisture, several farmers commented on a shortage of subsoil moisture. The State had another week of good growing conditions for field crops. Rains contributed to more good growth for corn, averaged about four feet tall, signs of tasseling. Soybean fields being sprayed for weeds. Soybeans had a nice color, growing well. Wheat harvest had started; quality, yields looked good. Harvesting first cutting of alfalfa finished up after much needed rain. Second cutting being harvested, some fields quite short. Sugarbeets looked excellent. Dry beans being cultivated and sprayed. Apples continued to size rapidly across State due to favorable temperatures, rainfall. Most apples south, west central two inches or more. Peach harvest of early varieties began last week southwest. Oriental fruit moth flagging became more common southeast. Tart cherry harvest full swing southwest. Cherry fruit fly catches common across State. Sweet cherry harvest southwest almost complete. Rain caused some fruit cracking. Brown rot relatively light. Harvest early Japanese plum varieties southwest began. European plums southeast one inch size. Blueberry harvest southwest full swing with early midseason, midseason varieties being harvested. Fruit size good. Blueberry maggot adults trapped southwest. Strawberry renovation continued. Raspberry harvest underway early and midseason varieties south. Vegetable growers contended with a variety of weather conditions across State over past week. Some districts continued to receive timely moisture, while others reported dry conditions. Growers continued scouting for Colorado potato beetles. Variegated cutworm egg masses found in celery, two regions reported Cercospora in carrots. Celery harvest started southwest, late plantings nearly completed. Cabbage starting to head, a few green tomatoes reported northwest. Snap beans being harvested. Zucchini harvest volume increased. Growers southwest harvesting sweet corn, producers northwest hoped to start later this week. Potato harvest began southeast.

MINNESOTA: Days suitable for fieldwork 5.1. Topsoil 1% very short, 5% short, 82% adequate, 12% surplus. Corn 68 in. height, 66 in. 2002, 65 in. avg.; 2% milking, 2% 2002, 2% avg. Soybeans 19 in. height, 21 in. 2002, 20 in. avg. Spring Wheat 38% turning ripe, 41% 2002, 42% avg. Oats 54% turning ripe, 69% 2002, 65% avg. Barley 46% turning ripe, 43% 2002, 44% avg. Pasture feed 1% very poor, 4% poor, 23% fair, 61% good, 11% excellent. Sugarbeets 0% very poor, 7% poor, 21% fair, 51% good, 21% excellent. Dry Beans 1% very poor, 4% poor, 38% fair, 47% good, 10% excellent. Canola 0% very poor, 0% poor, 2% fair, 70% good, 28% excellent. Potatoes 1% very poor, 2% poor, 10% fair, 48% good, 39% excellent. Sunflowers 0% very poor, 5% poor, 18% fair, 64% good, 13% excellent. Growing conditions throughout the state were generally good this past week. Warm weather throughout the majority of the week was welcomed by producers. Storm systems during the early part of last week caused hail damage in the Central district, tornadoes in the South Central district which caused damage to farmsteads in some areas. Producers in the Southwest district are reporting a lack of rainfall, as well as, a need for moisture in that area. The statewide average temperature was 69.8 degrees.

MISSISSIPPI: Days suitable for fieldwork 5.2. Soil 1% very short, 12% short, 66% adequate, 21% surplus. Corn 100% silked, 99% 2002, 99% avg.; 87% dough, 86% 2002, 88% avg.; 55% dent, 56% 2002, 62% avg.; 26% silage harvested, 29% 2002, 24% avg.; 2% poor, 13% fair, 53% good, 32% excellent. Cotton 93% squaring, 98% 2002, 99% avg.; 70% setting bolls, 82% 2002, 87% avg.; 2% very poor, 7% poor, 13% fair, 52% good, 26% excellent. Rice 43% heading, 36% 2002, 33% avg.; 1% poor, 13% fair, 56% good, 30% excellent. Sorghum 82% heading, 91% 2002, 88% avg.; 27% turning color, 35% 2002, 28% avg.; 13% fair, 59% good, 28% excellent. Soybeans 87% blooming, 80% 2002, 87% avg.; 70% setting pods, 57% 2002, 65% avg.; 2% poor, 17% fair, 50% good, 31% excellent. Hay 66% harvested (warm season), 62% 2002, 64% avg. Sweetpotatoes 100% planted, 100% 2002, 100% avg.; 3% poor, 32% fair, 29% good, 36% excellent. Watermelons 85% harvested, 72% 2002, 61% avg. Cattle 3% poor, 15% fair, 60% good, 22% excellent. Pasture 2% poor, 19% fair, 57% good, 22% excellent. Scattered showers are becoming a curse for producers wishing to harvest hay. The row crops that did receive rain have benefitted nicely, but irrigation continues in the Delta, as soils are drying rapidly from the hot days.

MISSOURI: Days suitable for fieldwork 6.1. Topsoil 16% very short, 36% short, 47% adequate, 1% surplus. Driest areas are the northwest, west-central, south-central districts with moisture ratings of about 85% short or very short. A week of hot, dry weather is causing stress to row crops in the driest areas. Rain is needed soon to maintain yield prospects. Condition of row crops is showing some decline but ratings are still predominantly fair to good, well above a year earlier. Development of corn ranges from 47% silking and 7% dough stage in the northeast district to 100% silking, 62% dough stage in the southeast. Soybean development varies from 26% or less blooming in the northeast, southwest, south-central, southeast districts, to over 50% in the north-central, west-central districts. Alfalfa 2nd crop cut 93%, 88% 2002, 85% avg.; 3rd 13%, 20% 2002, 13% avg. Other hay cut 98%, 92% 2002, 90% avg. Pasture feed 3% very poor, 20% poor, 44% fair, 30% good, 3% excellent. Rainfall averaged 0.53 inches, ranging from virtually none in the western third of the State to 1.07 inches in the south-central. Counties with heavy localized rains in northeast include Howell, 3.42 inches, Phelps, 3.30 inches, Butler, 3.10 inches, Saline, 3.06 inches

MONTANA: Days suitable for fieldwork 6.8. Topsoil 52% very short, 37% short, 11% adequate, 0% surplus. Subsoil 39% very short, 40% short, 21% adequate, 0% surplus. Weather conditions for the week were above normal temperatures with very little rain across the state with the exception of the Northeast corner. Barley 92% headed, 33% is turning, 5% very poor, 15% poor, 28% fair, 39% good, 13% excellent. Corn 2% very poor, 2% poor, 7% fair, 43% good, 46% excellent. Alfalfa 1st cutting hay 98% of harvested, 4% 2nd cutting. Other hay 1st cutting 85% complete, 1% 2nd cutting is harvested. Dry beans 0% very poor, 3% poor, 24% fair, 60% good, 13% excellent. Oat 89% headed, 28% has turned, 3% very poor, 10% poor, 23% fair, 50% good, 14% excellent. Potatoes 0% very poor, 0% poor, 11% fair, 69% good, 20% excellent. Sugar beets 0% very poor, 1% poor, 17% fair, 40% good, 42% excellent. Spring wheat 96% headed, 4% very poor, 14% poor, 32% fair, 46%

good, 4% excellent. Winter wheat 96% turned, 35% is ripe, 5% harvest, 4% very poor, 8% poor, 31% fair, 46% good, 11% excellent. Pasture, Range feeds 10% very poor, 23% poor, 38% fair, 25% good, 4% excellent.

NEBRASKA: Days suitable for fieldwork 6.9. Topsoil 19% very short, 42% short, 39% adequate, 0% surplus. Subsoil 17% very short, 45% short, 38% adequate, 0% surplus. Temperatures averaged from 1 to 7° above normals for the week. Precipitation was very light, scattered across the state. Dry bean condition 3% very poor, 8% poor, 28% fair, 52% good, 9% excellent; 37% blooming, 28% 2002, 36% avg. Alfalfa condition 2% very poor, 11% poor, 27% fair, 45% good, 15% excellent; 2nd cutting 79%, 86% 2002, 79% avg. Wild hay condition 3% very poor, 9% poor, 28% fair, 49% good, 11% excellent. Pasture, range feed 7% very poor, 17% poor, 33% fair, 38% good, 5% excellent, above a year ago, average

NEVADA: An upper level high promoted hot weather across the State. Temperatures averaged about 10° above normal. Moist air yielded scattered thundershowers with significant rains in some localities. Elko recorded .19 inch of rain, Las Vegas recorded .17 inch. The hot weather advanced crop, range growth where sufficient irrigation water was available, but exacerbated drying elsewhere. Second cutting of alfalfa was in full swing, marketing was active. Haying of meadow grass continued. Bees were out on alfalfa seed. Grass seed harvest began. Grains were predominately turned in color, ripening for the impending harvest. Potatoes in good condition with blossom advancing. Row, crop fields continued to be cultivated for weed control. Ranges, pastures were drying rapidly. Some livestock were moved to pastures to harvest grass. Grasshopper, Mormon cricket infestations remained a very serious problem to many northern Nevada ranges. Aphid were becoming a problem in some alfalfa fields. Activities: Haying, irrigating, weed control, grasshopper, cricket control

NEW ENGLAND: Days suitable for field work 6.2. Topsoil 11% very short, 31% short, 55% adequate, 3% surplus. Subsoil 8% very short, 25% short, 67% adequate, 0% surplus. Pasture feed 0% very poor, 12% poor, 42% fair, 39% good, 7% excellent. Maine Potatoes condition excellent/good. Rhode Island Potatoes condition good/excellent. Massachusetts Potatoes condition good. Maine Oats condition excellent/good. Maine Barley condition excellent/good. Field Corn 99% planted, 100% 2002, 100% avg.; 95% emerged, 100% 2002, 100% avg.; condition good/fair. Hay 1st harvested 90%, 95% 2002, 90% avg.; condition good/fair. Second Crop Hay 25% harvested, 45% 2002, 35% avg.; condition good/fair. Shade Tobacco 5% harvested, 10% 2002, 10% avg.; condition fair/good. Broadleaf Tobacco condition fair/good. Sweet Corn 100% planted, 100% 2002, 100% avg.; 100% emerged, 99% 2002, 99% avg.; 5% harvested, 5% 2002, 10% avg.; condition good/fair. Apples: condition good/fair. Peaches condition fair/good. Pears: condition fair/good. Strawberries 95% harvested, 99% 2002, 99% avg. Massachusetts Cranberries: Petal Fall Stage, condition good. Highbush Blueberries 10% harvested, 10% 2002, 15% avg.; condition good/fair. Maine Wild Blueberries: condition fair. Another week of mostly sunny days, mixed with a little rain, with lower levels of humidity near week's end. Crops continue to need rain as ground is relatively dry. Activities: Cutting haylage, making dry hay; topping off broadleaf tobacco; harvesting shade tobacco, highbush blueberries, strawberries, vegetables; renovating strawberry beds; spreading manure; mowing; cultivating; hilling potatoes; irrigating; top-dressing, side-dressing fields with fertilizer; monitoring fields; applying insecticides, fungicide

NEW JERSEY: Days suitable for field work were 6.6. Topsoil 35% short, 55% adequate, 10% surplus. There were measurable amounts of rainfall during the week over most of the state with some locations receiving over an inch. Temperatures were below normal for most of the week across most of the state. Activities: Harvesting wheat, cutting hay, spraying pesticides, herbicides, cultivating fields. Showers, high humidity slowed drying of cut hay. Leafhoppers population levels continue to be over acceptable thresholds in some southern state alfalfa fields. Cantaloupe, pumpkin planting activities were drawing to a close. Vegetables were in poor to good condition as harvest activities continued. Gray leaf spot was reported on some cucumber plants in fields in northern state. Sweet corn, cucumber, snap bean harvest began in localities in the north. Harvest of greens, green onions, tomatoes, sweet

corn, green cabbage, Chinese cabbage, spinach, snap beans continued in the south. Strawberry harvest was wrapping up in most localities. Blueberry harvest continues in most areas

NEW MEXICO: Days suitable for fieldwork 6.9. Topsoil 46% very short, 44% short, 10% adequate. The week was generally hot across all of state, with temperatures topping 100° at many locations below 6000 feet early in the week. The remnants of Hurricane Claudette brushed the southwest around mid-week, then helped fuel more widespread showers, thunderstorms at the end of the week. Radar indicated some spots across central, western state received between one half inch, one inch of rain on Sunday afternoon. Greatest reported totals for the week included 1.06 inches at Raton, .60 inches at Red River. Data missing for Quemado and incomplete for Ruidoso. There was no hail damage reported in the state while the wind damage was 19% light, 2% moderate. Farmers spent the week harvesting wheat, cutting alfalfa hay, and maintaining crops by irrigating even though some areas are lacking irrigation water because of the drop in the Pecos River. Farmers are also taking care of insects that were reported affecting progress. The second cut of Alfalfa was almost finished at 95% complete with 64% of the third, 6% of the fourth completed. Alfalfa conditions dropped slightly to mostly fair. Corn conditions remained mostly fair to excellent, with 53% silked (tasseled), 18% doughing. Cotton was reported in mostly fair to excellent condition, with 96% squaring, 49% setting bolls. Sorghum planting 21% poor, 60% fair, 19% good 2% headed. Winter wheat harvest was completed this week. Peanuts 64% pegging with conditions showing a slight drop but remaining in mostly fair condition. Onions 75% harvested. Chile conditions improved slightly to mostly fair to excellent. Chile pod set 30% light, 58% avg.; 12% heavy. Apple conditions remained in mostly fair condition, Pecans as fair to excellent with nutset at 25% light, 73% avg.; 2% heavy. Ranchers spent the week continuing to maintain water, branding calves, supplemental feeding. Livestock conditions are progressing well due to a lot of supplemental feeding. Cattle 1% very poor, 18% poor, 35% fair, 30% good, 16% excellent. Sheep 5% very poor, 25% poor, 50% fair, 19% good, 1% excellent. Range, pasture feeds 27% very poor, 41% poor, 21% fair, 9% good, 2% excellent.

NEW YORK: Days suitable 5.4. Soil 1% very short, 14% short, 77% adequate, 8% surplus. Pasture feed 5% poor, 20% fair, 61% good, 14% excellent. Hay condition 5% poor, 25% fair, 55% good, 15% excellent. Alfalfa 1st cutting 98% complete, Clo-tim 91% harvested. Dry beans 99% seeded. Oat condition 12% fair, 80% good, 8% excellent. Wheat 12% poor, 28% fair, 57% good, 3% excellent; harvest just beginning, many loads rejected due to vomitoxin. Fresh market sweet corn harvest of early varieties beginning; crop has been delayed at least 7 days due to cool, wet conditions during planting. Sweet cherry harvest active; quality good to excellent. Some cracking due to rains. Tart cherry harvest coming up next week; earlier ice storm reduced integrity of trees. Some trees have already fallen with the crop load. Long Island vineyards in good shape after a difficult spring.

NORTH CAROLINA: Days suitable for field work 4.8. Soil 0% very short, 2% short, 72% adequate, 26% surplus. Evening storms continued to dominate state weather the first half of the week, bringing heavy rainfall to some localities. Fruit quality has suffered with the rainy conditions, high humidity. Pastures, field crops are in mostly good to excellent condition except in isolated areas where crops drowned or endured storm damage. Pest pressure seems to be easing in response to higher temperatures, chemical applications. Activities: Harvesting small grain; planting double crop soybeans; cultivating, topping, spraying, harvesting tobacco; harvesting Irish potatoes, sweet corn, vegetables; making hay; spraying, fertilizing crops.

NORTH DAKOTA: Days suitable for fieldwork 6.2. Topsoil 5% very short, 21% short, 64% adequate, 10% surplus. Subsoil 6% very short, 19% short, 65% adequate, 10% surplus. Above normal temperatures last week pushed crop development. Durum wheat 69% headed, beyond, 69% 2002, 69% avg.; 36% the milk stage, beyond, 26% 2002, 29% avg.; 12% turning, beyond, 7% 2002, 6% avg. Canola 98% blooming, beyond, 98% 2002, 97% avg.; 17% turning, beyond, 13% 2002, 16% avg. Dry Edible Beans 54% blooming, beyond, 61% 2002, 63% avg.; 5% podding, beyond, 15% 2002, 18% avg. Flaxseed 86% blooming, beyond, 84% 2002, 80% avg.; 5% turning, beyond, 4% 2002, 4% avg. Potatoes 73% blooming, beyond, 70% 2002, 80% avg.; 51% rows filled, beyond, 66%

2002, 69% avg. Sunflowers 2% blooming, beyond, 2% 2002, 3% avg. Durum Wheat 1% very poor, 3% poor, 20% fair, 66% good, 10% excellent. Canola 1% very poor, 2% poor, 17% fair, 55% good, 25% excellent. Dry Edible Beans 0% very poor, 4% poor, 20% fair, 63% good, 13% excellent. Flaxseed 1% very poor, 1% poor, 19% fair, 62% good, 17% excellent. Potatoes 0% very poor, 3% poor, 17% fair, 71% good, 9% excellent. Sugarbeets 0% very poor, 1% poor, 18% fair, 70% good, 11% excellent. Sunflower 0% very poor, 2% poor, 21% fair, 57% good, 20% excellent. All hay 1% very poor, 5% poor, 29% fair, 51% good, 14% excellent. Alfalfa 1st cutting of was 97% complete, 70% of all other hay had been cut. Stockwater supplies 2% very short, 11% short, 83% adequate, 4% surplus. Pasture, range feeds 2% very poor, 8% poor, 28% fair, 50% good, 12% excellent.

OHIO: Days suitable for fieldwork 5.7. Topsoil 0% very short, 5% short, 80% adequate, 15% surplus. Alfalfa hay 2nd cutting complete, 52%, 69% 2002, 72% avg.; 3rd cutting complete 1%. Corn 28% silking,, 18% 2002, 38% avg. Oats 40% ripe, 55% 2002, 66% avg. ; 9%, harvested, 17% 2002, 22% avg. Other hay 2nd cutting complete 26%, 49% 2002, 47% avg. Soybeans 49% blooming, 40% 2002, 62% avg. Winter wheat 100% ripe, 100% 2002, 100% avg.; 82% harvested, 98% 2002, 98% avg. Cucumbers 95% planted, 100% 2002, 100% avg. Summer apples 22% harvested, 24% 2002, 32% avg. Peaches 10% harvested, 10% 2002, 17% avg. Corn 3% very poor, 10% poor, 30% fair, 41% good, 16% excellent. Hay 3% very poor, 10% poor, 32% fair, 45% good, 10% excellent. Oat 2% very poor, 6% poor, 32% fair, 53% good, 7% excellent. Pasture feeds 1% very poor, 5% poor, 25% fair, 50% good, 19% excellent. Soybean 4% very poor, 11% poor, 32% fair, 42% good, 11% excellent. Weather conditions greatly improved last week across the state of state allowing farmers to get back in the fields. However, temperatures continue to remain below normal, thus lowering growing degree days. Many respondents indicated warmer temperatures are needed so crop development can proceed as normal. Growers harvested large amounts of winter wheat, baled straw. Producers side dressed corn, sprayed soybeans, baled hay. The vegetable harvest continues as growers picked sweet corn, peppers, melons, tomatoes. Pumpkin plants are vining and cucumber beatles are damaging the cucurbits. Farmers mowed fence lines, waterways

OKLAHOMA: Days suitable for fieldwork 6.8. Topsoil 23% very short, 52% short, 24% adequate, 1% surplus. Subsoil 12% very short, 44% short, 43% adequate, 1% surplus. Wheat 86% plowed, 78% last week, 85% 2002, 79% avg.; 2% seedbed prepared, n/a last week, 7% 2002, 4% avg. Oats 98% harvested, 95% last week, 97% 2002, 99% avg.; 75% plowed, 64% last week, 85% 2002, 78% avg. Corn 1% poor, 13% fair, 36% good, 50% excellent; 60% silking, 42% last week, 90% 2002, 72% avg.; 30% dough, 23% last week, 55% 2002, 27% avg.; 7% mature, 5% last week, 14% 2002, 5% avg. Sorghum 97% emerged, 95% last week, 90% 2002, 96% avg. Soybeans 2% poor, 22% fair, 69% good, 7% excellent; 98% emerged, 94% last week, 99% 2002, 93% avg.; 26% blooming, 23% last week, 57% 2002, 45% avg.; 14% setting pods, 4% last week, 31% 2002, 18% avg. Peanuts 31% setting pods, 17% last week, 41% 2002, 35% avg. Alfalfa Hay 1% very poor, 7% poor, 28% fair, 57% good, 7% excellent; 76% 3rd cutting, 48% last week, 63% 2002, 55% avg. Other Hay 1% very poor, 7% poor, 33% fair, 53% good, 6% excellent; 91% 1st cutting, 89% last week, 93% 2002, 90% avg.; 28% 2nd cutting, 24% last week, 41% 2002, 26% avg. Watermelons 95% setting fruit, 86% last week, 99% 2002, 97% avg.; 46% harvested, 11% last week, 34% 2002, 34% avg. Livestock 3% poor, 21% fair, 55% good, 21% excellent; Pasture, Range 1% very poor, 10% poor, 36% fair, 44% good, 9% excellent; Livestock: Livestock conditions remained rated as mostly fair to excellent. Livestock insect activities were rated as mostly light to heavy. Cattle auctions reported an average increase in marketings for the week. The price for feeder steers less than 800 pounds decreased nearly one dollar, fifty cents per cwt. from last week and averaged \$91.31 per cwt. The average price for feeder heifers less than 800 pounds increased twenty-five cents per cwt. from last week, averaged \$86.85 per cwt

OREGON: Days suitable for fieldwork: 6.9. Topsoil 25% very short, 52% short, 23% adequate. Subsoil 22% very short, 51% short, 27% adequate. Barley 97% headed, 93% previous week, 100% 2002.; 2% very poor, 13% poor, 33% fair, 40% good, 12% excellent. Winter wheat 35% harvested, 7% previous week, 29% 2002, 13% 5- yr avg. Range, Pasture 6% very poor, 15% poor, 42% fair, 34% good, 5% excellent.

Activities: Temperatures remained hot throughout most of state, with normal dry conditions, low humidity. High temperatures were well over 100° in many areas. La Grande received just over 0.3 inches of precipitation, Redmond received almost 0.2 inches; elsewhere, no major precipitation recorded. Several small fires were reported in Union County, with no major damage. Larger wildfire reported in Willamette National Forest in Lane County. According to National Interagency Fire Center, fire danger indices in state ranged from very high to extreme. Growing degree days exceeded 100 across much of state Ontario, Rome each recorded growing degree days in excess of 200. Haying continued State wide. Most areas were in their second cutting of alfalfa, grass hay. Wheat harvest started in Malheur County. Sherman County wheat harvest underway, will be in full swing next week. Wheat yields looked normal but protein will be higher than normal. Some post-harvest rainfall would be beneficial to next year's seeding conditions. Spring planted dryland grain maturing rapidly in Union County. In Willamette Valley, grass seed harvest continued. Hot temperatures, no rainfall continued to stress already stressed crops. Straw baling underway. Wheat combining started in Marion County, nearing harvest in Washington County. Crimson clover harvested in Washington County, red clover blooming. Vegetables were doing well, most were available at farmer's markets. Available at markets included tomatoes, cucumbers, green beans, carrots, broccoli, cauliflower. Early sweet corn about two weeks off. Early plantings shoulder high. Growers busy cultivating, weeding, fertilizing, irrigating. Klamath potatoes 50% flowering, 40% with rows closed. Early potatoes yielding 20 tons per acre in Umatilla County. Nurseries doing lots of stock watering, feeding & weeding. Greenhouses still moving some summer plants, getting started with fall flowers. Early peaches harvested in Willamette Valley, southern state. Sweet cherry harvest winding down in most areas with tart cherry harvest underway in Yamhill County. Lane County raspberry, blueberry harvests in full swing. Blueberries, crane berries harvested in Jackson County. Blackberries just coming on in Josephine County. Nearly all fruit producing areas required irrigation. Warmer than average temperatures without moisture matured, browned or stressed pastures. Most livestock in Jackson County on irrigated or higher ranges. Animals on irrigated ground still looked good. Some supplemental feeding. Range feeds deteriorating rapidly in Wallowa County. Without moisture, some producers will be forced to start hauling water. Conditions ripe for wildfires, but only small ones reported

PENNSYLVANIA: Days suitable for field work 5.0. Soil 2% very short, 16% short, 70% adequate, 12% surplus. Corn height 47 inches, 53 inches 2002, 55 inches avg. Corn condition 3% very poor, 10% poor, 29% fair, 37% good, 21% excellent. Barley 95% ripe, 98% 2002, 98% avg.; 90% harvested, 93% 2002, 94% avg. Winter wheat 72% ripe, 97% 2002, 94% avg.; 39% harvested, 89% 2002, 81% avg.; 4% very poor, 35% poor, 21% fair, 29% good, 11% excellent. Oats 90% headed, 93% 2002, 96% avg.; 37% turning yellow, 67% 2002, 70% avg.; 9% ripe, 64% 2002, 39% avg.; 10% poor, 36% fair, 46% good, 8% excellent. Soybeans 94% emerged, 98% 2002, 99% avg.; 1% very poor, 7% poor, 35% fair, 43% good, 14% excellent. Alfalfa 1st cutting 98% complete, 98% 2002, 99% avg.; 2nd cutting 42% complete, 71% 2002, 67% avg.; 3rd cutting 7% complete, 20% 2002, 13% avg. Timothy clover 1st cutting 79% complete, 92% 2002, 91% avg.; 2nd cutting 8% complete, 22% 2002, 21% avg. Peach crop condition 20% fair, 80% good; 10% harvested, 14% 2002, 16% avg. Apple crop condition 30% fair, 70% good. Quality of hay made 5% very poor, 19% poor, 40% fair, 32% good, 4% excellent. Pasture feeds 3% very poor, 17% poor, 26% fair, 35% good, 19% excellent. Activities: Making haylage, baylage, dry hay; spraying herbicides; spreading manure; spreading lime, fertilizer; caring for livestock.

SOUTH CAROLINA: Days suitable for field work 4.5. Soil 1% short, 52% adequate, 47% surplus. Corn 99% silked, 99% 2002, 99% avg.; 77% doughed, 83% 2002, 74% avg.; 10% matured, 35% 2002, 31% avg.; 1% poor, 16% fair, 52% good, 31% excellent. Soybeans 100% planted, 100% 2002, 100% avg.; 99% emerged, 99% 2002, 99% avg.; 15% bloomed, 26% 2002, 26% avg.; 4% pods set, 11% 2002, 12% avg.; 5% poor, 20% fair, 62% good, 13% excellent. Sorghum 70% headed, 71% 2002, 66% avg.; 30% turned color, 34% 2002, 33% avg.; 84% good, 16% excellent. Cotton 82% squared, 90% 2002, 87% avg.; 24% bolls set, 36% 2002, 38% avg.; 2% poor, 26% fair, 68% good, 4% excellent. Peanuts 72% pegged, 80% 2002, 66% avg.; 1% poor, 13% fair, 74% good, 12% excellent. Winter Wheat 100% harvested, 100% 2002, 100% avg. Pastures 6% fair, 77% good, 17% excellent. Rye 96% harvested,

100% 2002, 100% avg. Oats 100% harvested, 100% 2002, 100% avg. Sweetpotatoes 100% good. Tobacco 93% topped, 94% 2002, 93% avg.; 26% harvested, 24% 2002, 20% avg.; 2% very poor, 6% poor, 33% fair, 48% good, 11% excellent. Other Hay 70% harvested, 72% 2002, 70% avg.; 1% poor, 17% fair, 68% good, 14% excellent. Peaches 46% harvested, 61% 2002, 60% avg.; 1% poor, 7% fair, 70% good, 22% excellent. Apples 47% fair, 53% good. Snapbeans 99% harvested, 99% 2002, 93% avg. Cucumbers 99% harvested, 100% 2002, 100% avg. Watermelons 89% harvested, 89% 2002, 89% avg.; 34% poor, 25% fair, 41% good. Tomatoes 99% harvested, 97% 2002, 97% avg. Cantaloups 93% harvested, 89% 2002, 91% avg.; 50% fair, 50% good. Livestock 6% fair, 76% good, 18% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 6.2. Topsoil 11% very short, 32% short, 51% adequate, 6% surplus. Subsoil 14% very short, 27% short, 53% adequate, 6% surplus. Feed supplies 4% very short, 16% short, 77% adequate, 3% surplus. Stock water supplies 16% very short, 24% short, 55% adequate, 5% surplus. Winter Wheat 100% turning color, 100% 2002, 98% avg.; 89% ripe, 93% 2002, 80% avg. Winter Rye 1% poor, 37% fair, 50% good, 12% excellent; 98% turning color, 99% 2002, 96% avg.; 52% ripe, 76% 2002, 56% avg.; 4% harvested, 25% 2002, 18% avg. Barley 85% turning color, 69% 2002, 69% avg.; 20% ripe, 44% 2002, 27% avg. Oats 86% turning color, 91% 2002, 77% avg.; 34% ripe, 56% 2002, 39% avg. Spring Wheat 87% turning color, 92% 2002, 79% avg.; 14% ripe, 47% 2002, 27% avg. Sunflower 2% very poor, 3% poor, 32% fair, 55% good, 8% excellent; 4% blooming, 7% 2002, 10% avg. Average Corn height (inches) 57 in., 56 in. 2002, 59 in. avg. Corn cultivated or sprayed twice 90%, 87% 2002, 87% avg.; 26% tasseled, 38% 2002, 37% avg. Cattle condition 2% poor, 15% fair, 64% good, 19% excellent. Sheep condition 2% poor, 12% fair, 63% good, 23% excellent. Range, Pasture 4% very poor, 13% poor, 31% fair, 42% good, 10% excellent. Alfalfa hay 3% very poor, 7% poor, 27% fair, 50% good, 13% excellent; 2nd cutting harvested 58%, 49% 2002, 49% avg. Other hay 83% harvested, 72% 2002, 68% avg. The state continues to deal with hot and dry weather conditions, with last week bringing little precipitation to the areas that need it the most. Showers were received in some areas, however lack of adequate rainfall is putting further stress on crops and water supplies. Major farm activities included harvesting small grains, cutting hay, spraying, fixing fences, cultivating, and working with livestock.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 2% very short, 25% short, 70% adequate, 3% surplus. Subsoil 2% very short, 15% short, 80% adequate, 3% surplus. Pastures 4% poor, 16% fair, 62% good, 18% excellent. Tobacco 22% topped, 20% 2002, 22% avg.; 1% very poor, 7% poor, 29% fair, 52% good, 11% excellent. Alfalfa hay 2nd 87% cutting, 85% 2002, 87% avg. Dry, seasonable weather last week allowed farmers to make good progress with all field activities. Isolated rain showers were widespread throughout the State early last week, but rainfall totals varied significantly ranging from over two inches in some areas to none in others. For those areas receiving little or no rainfall, dry conditions are starting to concern some farmers. Although crop conditions remained mostly in the good category, a general rain is needed in most areas. Tobacco producers were busy this past week topping plants, applying sucker control, sidedressing. Activities: Harvesting vegetables, applying insecticides, herbicides, cutting hay

TEXAS: Agricultural Summary: Hurricane Claudette rolled across areas of the Upper Coast, Coastal Bend, Central, West state last week causing 5 counties (Refugio, Matagorda, Calhoun, Jackson, Victoria) to be declared federal disaster areas. Many corn, sorghum fields along the storm's path experienced lodging due to high winds, or flooding from the rains, leaving several fields unharvestable. In some localities, damage to other crops, buildings, equipment were reported, but the magnitude of the damage varied widely from county to county. Across northern areas of the state the story was quite different, with temperatures sometimes over 100°, very few scattered showers. Amidst the heat, cotton in the High Plains was looking better. Irrigation was taking place. Some producers were concerned as many fields were behind normal development. Poultry producers in East state were concerned as some were experiencing higher than normal death loss rates due to the heat. Small Grains: Harvest was virtually complete in most areas of the Plains. In other parts of the State, producers were working recently harvested fields. Corn: In the Plains, corn was doing well under irrigation. Fields in the Blacklands, Central state were drying down, harvest was expected to begin within the

next 2 weeks. In areas of the Upper Coast, the Coastal Bend, Central state affected by Hurricane Claudette, many fields of corn were destroyed, flooded, or severely lodged by high winds. Corn 57% of normal, 60% 2002. Cotton: Cotton on the Plains made good progress with the hot weather. Irrigation was active in the absence of rainfall. Dryland fields were in need of rain to maintain adequate development. Many earlier planted fields were squaring, some plants were blooming. Boll weevils, other pests were a problem in some fields. In areas hardest hit by Claudette, some damage was experienced though cotton fields seemed to hold up better than some other crops. Mid week rains in the Rio Grande Valley had adverse effects on fields with mostly open bolls. Cotton 62% normal, 66% 2002. Sorghum: In the Plains, fields were being irrigated as the heat caused stress to plants in some fields. In North Central state, harvest had started. In other areas, fields were either damaged by hurricane Claudette, or harvest activities were delayed by accompanying rains. Sorghum 68% of normal, 63% 2002. Peanuts: Plants made good progress and were pegging. Peanut 86% normal, 81% 2002. Rice: Fields were heading out and making good progress. Many fields were running a little behind in development due to the late start. Only minor damage was reported as a result of the hurricane. Rice 91% normal, 89% 2002. Soybeans: Early planted fields were reaching maturity along the Upper Coast. Crop progress was generally good across the state. Little damage was reported to soybean fields as a result of the hurricane, most damage was limited to the few counties hardest hit. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley field activity was suspended due to rains. In the San Antonio-Winter Garden, producers were evaluating damage from the hurricane. While some areas may have experienced damage, in others the rainfall was beneficial. Watermelon, onion harvest neared completion. In East state, harvest of watermelons was in full swing as conditions allowed. Overall, the crop was reported to be of good quality. Pecans, Grapes: Pecans were growing well, many nuts were entering gel stage. In some areas nuts were dropping. Some trees in the Upper Coast region were uprooted or had branches broken as a result of the hurricane. Grapes in some areas of West state, have suffered from dry weather, but harvest had begun. Range, Livestock: Range, pastures in areas that received rain were expected to do well as rains clear out, sunny days aid in growth. Hay cutting was in full swing where conditions allowed. Non-beneficial weeds were a problem in many pastures. Many producers were cutting, spraying brush. Supplemental feeding continued in areas where pasture feeds were poor, mostly in northern areas of the state where hot, dry weather prevailed. Livestock were mostly in good condition. Weaning, selling of calves was in progress for many producers. Stock tanks, which had been getting low, were filled by rains in some areas. High death loss occurred in some poultry flocks as a result of the summer heat

UTAH: Days suitable for fieldwork 7.0. Topsoil 22% very short, 45% short, 33% adequate, 0% surplus. Subsoil 22% very short, 42% short, 36% adequate, 0% surplus. Alfalfa hay 2nd cutting 53%, 57% 2002, 50% avg. Barley harvested (grain) 8.0%, 7.0% 2002, 7.0% avg. Corn 4.0% silked (tasseled), 2002, 6.0% avg. Corn Height 54%, 49% 2002, 47% avg. Oats 92% headed, 81% 2002, 81% avg.; 1.0% harvested (grain), 0% 2002, 3.0% avg.; 80% harvested for Hay or Silage, 75% 2002, 63% avg. Other Hay 78% cut, 83% 2002, 74% avg. Spring Wheat 14% harvested, 3.0% 2002, 5.0% avg. Sweet Cherries 98% picked, 99% 2002, 90% avg. Tart Cherries 22% picked, 67% 2002, 44% avg. Winter Wheat 23% harvested, 11% 2002, 17% avg.; 0% very poor, 11% poor, 30% fair, 50% good, 9% excellent. Spring Wheat 0% very poor, 15% poor, 23% fair, 55% good, 7% excellent. Barley 0% very poor, 3% poor, 22% fair, 65% good, 10% excellent. Corn 0% very poor, 3% poor, 23% fair, 65% good, 9% excellent. Cattle/Calves condition 1% very poor, 4% poor, 25% fair, 57% good, 13% excellent. Sheep condition 2% very poor, 4% poor, 21% fair, 64% good, 9% excellent. Range, Pasture feed 8% very poor, 22% poor, 34% fair, 36% good, 0% excellent. Extreme dry and hot conditions continued. Some areas in the state received trace amounts of precipitation. Many counties continue to contend with the grasshopper, cricket infestation. Farmers continue to struggle to keep crops watered with the heat, cutbacks in irrigation water. Corn is already showing signs of drought, the extreme weather has accelerated hay maturity. However, dryland wheat yields seem to be better than expected in many parts of the state. Pasture land conditions continue to deteriorate due to the high temperatures, lack of rain.

VIRGINIA: Days suitable for fieldwork 5.6. Topsoil 3% short, 62% adequate, 35 surplus. Subsoil 2% short, 79% adequate, 19% surplus. Pasture 3% poor, 15% fair, 54% good, 28% excellent. Livestock 1%

poor, 15% fair, 64% good, 20% excellent. Other Hay 2% very poor, 16% poor, 28% fair, 43% good, 11% excellent. Alfalfa Hay 2% very poor, 12% poor, 25% fair, 51% good, 10% excellent. Corn for Grain 3% very poor, 8% poor, 21% fair, 53% good, 15% excellent. Corn 57% silked, 78% 2002, 65% 5-yr avg.; 17% dough, 47% 2002, 27% 5-yr avg.; 1% dent, 11% 2002, 3% 5-yr avg. Soybeans 4% poor, 24% fair, 59% good, 13% excellent; 97% planted, 100% 2002, 97% 5-yr avg.; 90% emerged, 97% 2002, 93% 5-yr avg.; 9% blooming, 22% 2002, 19% 5-yr avg. Winter Wheat 96% harvested, 100% 2002, 97% 5-yr avg. Flue Tobacco 12% very poor, 17% poor, 28% fair, 30% good, 13% excellent. Burley Tobacco 7% very poor, 17% poor, 31% fair, 39% good, 6% excellent. Dark Fire Tobacco 7% very poor, 20% poor, 38% fair, 29% good, 6% excellent. Sun Tobacco 75% fair, 25% good. Peanuts 25% fair, 65% good, 10% excellent. Peanuts 30% pegged, 64% 2002, 68% 5-yr avg. Cotton 9% poor, 38% fair, 39% good, 14% excellent; 56% squaring, 99% 2002, 94% 5-yr avg. Summer Potatoes 5% fair, 30% good, 65% excellent; 55% harvested, 91% 2002, 69% 5-yr avg. Apples 10% poor, 35% fair, 40% good, 15% excellent. Summer Apples 43% harvested, 36% 2002, 21% 5-yr avg. Peaches 1% very poor, 5% poor, 40% fair, 31% good, 23% excellent; 29% harvested, 20% 2002, 23% 5-yr avg. A summer weather pattern has settled across state. Some parts of state reported excessive precipitation, with some crop damaged by hail, high winds. Farm work slowed as producers were unable to work their crops in these wet conditions. However, other regions of state experienced favorable weather. Parts of state experiencing drier conditions reported good progress with the wheat harvest. Most of state corn has recovered from the late planting, cool wet weather. Much of state tobacco crop was afflicted with disease, weeds. Adequate heat units helped the late planted soybeans emergence. Activities: Applying herbicides, fungicides to crops, harvesting vegetables, making hay.

WASHINGTON: Days suitable for fieldwork averaged 6.9. Topsoil 36% very short, 35% short, 29% adequate. Subsoil 12% very short, 30% short, 58% adequate. Irrigation water supplies 1% very short, 11% short, 88% adequate. The highest temperature in the state was 104° in Colville, Hanford, Pasco. The lowest temperature in the state was 40° in Stampede Pass. Winter wheat 10% harvested, 3% very poor, 8% poor, 28% fair, 46% good, 15% excellent. Spring wheat 3% harvested, 6% very poor, 16% poor, 47% fair, 30% good, 1% excellent. Barley 2% harvested, 5% very poor, 19% poor, 44% fair, 31% good, 1% excellent. Continued hot, dry conditions had farmers struggling to keep enough water on crops throughout the state. Around the Palouse, early reports have winter wheat yields near average or above, but spring wheat, barley were expected to be down significantly, with light test weights. Second cutting alfalfa hay, first cutting timothy were being harvested with above average yields. Christmas tree growers continued top working Noble fir, began shearing Grand fir. Potato vine killing began in Skagit County. Potatoes 11% harvested, 8% fair, 55% good, 37% excellent. Corn 4% fair, 95% good, 1% excellent. Dry peas 9% harvested. Dry edible bean 1% poor, 4% fair, 50% good, 45% excellent. Processing green peas 99% harvested. Alfalfa 2nd cutting of complete 94%, 3rd 2% complete. Hay, other roughage supplies 2% very short, 3% short, 94% adequate, 1% surplus. Range, pasture feeds 4% very poor, 17% poor, 63% fair, 16% good. Range, pastures across most of state continued to deteriorate due to the hot, dry weather. Higher than average temperatures pushed production, required additional irrigation for fruits, vegetables in Kitsap County. Also in the west, raspberries, blueberries, loganberries, peas were being harvested. In the Yakima Valley, cherry harvest was winding down while harvest of peaches, apricots, nectarines were underway. Apples, pears have struggled with the hot weather, but sunburn has been minimal. In Grant County, sweet corn, cherries, crucifer seed, seed peas, mint, grass seed, peppermint were being harvested

WEST VIRGINIA: Days suitable for field work 5.0. Topsoil 1% short, 90% adequate, 9% surplus, 3% very short, 28% short, 68% adequate, 1% surplus 2002. Corn 1% very poor, 9% poor, 21% fair, 62% good, 7% excellent; 99% emerged, 7% silked, 38% 2002, 26% 5-yr avg. Soybeans 1% poor, 18% fair, 69% good, 12% excellent; 96% planted, 100% in 2002, 100% 5-yr avg.; 93% emerged, 5% blooming, 42% in 2002, 24% 5-yr avg. Winter Wheat 35% poor, 54% fair, and 11% good; 50% harvest for grain, 99% 2002, 73% 5-yr avg. Oats 13% poor, 31% fair, 49% good, 7% excellent; 99% headed, 94% in 2002, 95% 5-yr avg.; 19% harvested, 38% in 2002, 19% 5-yr avg. Tobacco 18% poor, 41% fair, and 41% good; 2% topped. Hay 1% very poor, 6% poor, 32% fair, 53% good, and 8% excellent, 1st cutting 84% complete, 100% in 2002, 96% 5-yr avg; 2nd cutting 5%, 38% in 2002, 28% 5-yr avg.

Apples 5% poor, 20% fair and 70% good, 5% excellent; Peaches 5% fair, and 90% good, 5% excellent. Cattle, calves 2% poor, 16% fair, 74% good, 8% excellent. Sheep, Lambs 1% poor, 15% fair, 80% good, 4% excellent. Weather favorable for haying, planting, small grain harvesting.

WISCONSIN: Days suitable for fieldwork 5.7. Soil 5% very short, 22% short, 71% adequate, 2% surplus. Favorable temperatures continued across state for mid-July. Temperatures were mostly 1-4° below normal for the week, but were sufficient for good plant development. Storms were scattered around the state for the week, with some areas getting up to 2 inches, other areas receiving no precipitation. The north, eastern sides of the state are showing signs of moisture stress. The Milwaukee area remains nearly 6 inches of rain behind normal year-to-date totals. Pasture field conditions began to decrease in the drier areas of the state. Conditions 1% very poor, 5% poor, 25% fair, 59% good, 10% excellent.

WYOMING: Days suitable for field work 6.8. Topsoil 17% very short, 52% short, 31% adequate. Winter wheat 68% mature, 90% 2002, 80% 5-yr avg.; 20% harvested, 68% 2002, 42% 5-yr avg.; 2% very poor, 4% poor, 29% fair, 65% good. Barley 65% turning color, 43% 2002, 49% 5-yr avg.; 13% mature, 17% 2002, 13% 5-yr avg.; 25% fair, 58% good, 17% excellent. Oats 79% headed, 62% 2002, 70% 5-yr avg.; 23% turning color, 19% 2002, 23% 5-yr avg.; 31% fair, 58% good, 11% excellent. Spring wheat 76% headed, 83% 2002, 84% 5-yr avg.; 23% turning color, 34% 2002, 39% 5-yr avg.; 53% fair, 47% good. Sugarbeets 4% poor, 17% fair, 70% good, 9% excellent. Corn 15% tasseled, 29% 2002, 29% 5-yr avg.; 1% very poor, 3% poor, 15% fair, 66% good, 15% excellent. Dry beans 55% in bloom, 49% 2002, 44% 5-yr avg.; 15% setting pod, 18% 2002, 14% 5-yr avg.; 14% fair, 70% good, 16% excellent. Alfalfa 1st cutting harvested 93%, 91% 2002, 89% 5-yr avg.; 2nd harvested 11%, 6% 2002, 7% 5-yr avg. Other hay 48% harvested, 48% 2002, 47% 5-yr avg. Range, pasture feed 5% very poor, 13% poor, 43% fair, 38% good, 1% excellent. Irrigation water supplies 17% very short, 31% short, 52% adequate. Another hot summer week with little precipitation, temperatures soaring into the hundred's. Above normal temperatures at all stations with the highest, 106, in Torrington. The heaviest moisture fell in Sundance with 0.44 inch. Spotty showers at some eastern stations, but all were below normal.