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Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.8. Topsoil 7% very short, 36% short, 57% adequate, 0% surplus. Corn 99% silked, 97% 2000, 98% avg.; 81% dough, 77% 2000, avg.; n/a.; 56% dented, 54% 2000, 64% avg.; 26% mature, 43% 2000, 35% avg.; 1% very poor, 5% poor, 21% fair, 55% good, 18% excellent. Soybeans 54% blooming, 48% 2000, 44% avg.; 25% setting pods, 22% 2000, 22% avg.; 1% very poor, 3% poor, 23% fair, 65% good, 8% excellent. Pasture feed 1% very poor, 7% poor, 30% fair, 52% good, 10% excellent. Livestock feed 0% very poor, 2% poor, 16% fair, 60% good, 22% excellent. Second hay cutting underway.

ALASKA: days suitable for fieldwork 4.0. Topsoil 5% short, 85% adequate, 10% surplus. Subsoil moisture 5% short, 90% adequate, 5% surplus. Cooler temperatures and rain prevailed over the Tanana Valley, Copper Center for most of the week. The Matanuska Valley saw intermittent rain, slightly cooler temperatures. Daytime high temperatures reached 80° in the Tanana Valley early in the week but generally averaged in the mid-60's low 70's. Lows were generally in the upper 40's to low 50's. Barley 90% in dough. 75% 2000, 35% fair, 55% good, 10% excellent. Oat 75% in dough, 15% fair, 60% good, 25% excellent. Potato 45% bloom, 70% 2000, 10% fair, 80% good, 10% excellent. Hay 1st cutting 85% complete, 5% poor, 5% fair, 80% good, 10% excellent. Range, pasture feeds 15% fair, 75% good, 10% excellent. General crop growth continued to be mostly moderate to rapid. Farm activities included: Weed control, equipment repair, cutting, baling hay, as well as harvesting, transplanting vegetables.

ARIZONA: Area recorded average temperatures throughout the state with light to moderate precipitation reported. Substantial rainfall in the north-central region, moderate precipitation in south-eastern parts of the state will help to improve range, pasture feeds. Warm sunny conditions combined with irrigation are helping the cotton crop to progress at a good pace.

ARKANSAS: Days suitable for fieldwork: 6.4 Soil moisture 17% very short, 50% short, 32% adequate, 1% surplus. Corn 100% silking, 100% 2000, NA 5 yr. avg.; 85% doughing, 77% 2000, NA 5 yr. avg.: 2% poor, 31% fair, 48% good, 19% excellent. Rice 58% heading, 35% 2000, 35% 5 yr. avg.: 1% very poor, 5% poor, 27% fair, 48% good, 19% excellent. Sorghum 91% heading, 88% 2000, 77% 5 yr. avg.; 62% turning color, 47% 2000, 28% 5 yr. avg.; 2% poor, 35% fair, 46% good, 17% excellent. Cotton 99% setting bolls, 96% 2000, 95% 5 yr. avg.; 1% very poor, 4% poor, 33% fair, 49% good, 13% excellent. Soybeans 100% emerged, 100% 2000, 100% 5 yr. avg.: 81% blooming, 56% 2000, 54% 5 yr. avg.; 50% setting pods, 26% 2000, 21% 5 yr. avg.; 2% very poor, 8% poor, 36% fair, 44% good, 10% excellent.; Alfalfa Hay 1% very poor, 16% poor, 50% fair, 28% good, 5% excellent. Other Hay 7% very poor, 21% poor, 38% fair, 32% good, 2% excellent. Pasture, Range 7% very poor, 20% poor, 43% fair, 28% good, 2% excellent. **FIELD CROP:** Farmers continued irrigating corn, cotton, rice, soybean fields. Fungicides were applied to rice fields. Soybeans, rice fields were being sprayed with herbicides. Some cotton fields were being sprayed for aphids, boll weevils. Other activities included: Harvesting hay, fertilizing, liming, applying weed control in pastures. Watermelons, peaches were being harvested. **LIVESTOCK, PASTURE AND RANGE:** Cattle were in good condition.

Cattle were being vaccinated, wormed. 1/Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton continued to grow vigorously. Bloom was well underway, bolls were forming in most areas. Growers were irrigating, cultivating, treating cotton fields to control weeds, aphids, white flies, mites. Harvesting of wheat, barley was finished in most areas. Straw was being baled and stacked. Alfalfa was in good condition. Cutting, windrowing, baling of alfalfa hay continued. Alfalfa seed harvest was underway. Field corn was growing well. Fields were irrigated, treated for weeds, insects. Silage corn was being cut. Some sudan grass was being harvested, but other fields continued to be irrigated, fertilized. Safflower harvest began in several areas. Rice continued to progress well, heads were rapidly forming. Water grasses were a problem in some areas. Sugar beet harvest continued. Garbanzo beans were being harvested, other dry beans were progressing well. Fruit growers performed cultural activities that included: Weed control, fungicide applications, irrigation of trees, vines. Grapes were sizing, coloring well. Growers irrigated, cultivated, applied insecticides, fungicides. Harvest of table grapes in the San Joaquin Valley was gaining momentum. Flame Seedless, Fantasy, Black Beauty, Thompson Seedless, Perlette, Red Globe, Black Corinth varieties were currently being harvested. Wine, raisin type grapes were showing good development, under ideal weather conditions. Freestone Peach growers were actively harvesting Babcock, Diamond Princess, Elegant Lady, Flamecrest, June Lady, Saturn, Snow Giant, Snow King, Sparkle, Sugar Giant, Summer Lady, Summer Sweet, Summer Zee, Sweet Dream, Zee Lady varieties. The harvest of clingstone peaches was gaining speed. Nectarine, plum, pluot harvest was very active; good quality fruit was noted. Insecticides, fungicides were applied to apple trees. Harvest of Gala apples continued. Pomegranates, figs continued to mature and develop color. Grapefruit harvest was active in the San Joaquin Valley. Valencia oranges were harvested in the southern coastal areas and the lower San Joaquin Valley. Lemon picking was active in the south coast area. Nut growers were irrigating trees, applying pesticides. Almond hull split was occurring in many orchards. Growers were preparing for harvest. Walnut growers treated orchards for blight, codling moths. Excellent weather conditions favored development of vegetable crops. Summer vegetables were progressing normally. Some growers increased irrigation in anticipation of hot weather. Cantaloupes, honeydews, watermelons, crenshaws, other mixed melon varieties were actively harvested. Harvest of fresh market, processing tomatoes increased as higher temperatures returned. Tomato growers applied pesticides to control horn worms, aphids. Southern state carrot fields were treated for weeds. Due to the presence of grasshoppers, some harvested spinach in the southern part of Salinas County was being rejected by shippers. Some fields of unharvested iceberg lettuce were being disced. Yellow, white processing onions were nearly ready for harvest. Early planted fields of sweet corn were being harvested. Garlic was harvested, drying in the fields. Green beans, sweet corn, bell peppers, cucumbers, eggplant, and other summer vegetables were being harvested. Other crops such as lettuce, broccoli, cauliflower and carrots continued to be harvested in the Salinas Valley. Celery harvest was in full swing, quality was excellent. Additional vegetables harvested included: Cilantro; Jalapeno, Serrano, Thai peppers; Italian sweet peppers; red, green leaf lettuce; okra; red, yellow, green onions; parsley; yellow crookneck, Hmong, zucchini squash. Dry pasture feeds necessitated supplemental feeding of nutrients, hay to

cattle. Poor pasture feeds were cited as a cause of an early steer sell off, a reduction in breeding herds. High temperatures in the southern San Joaquin valley slowed milk production. Turkey houses were running evaporative coolers to protect against heat losses.

COLORADO: Days suitable for fieldwork 5.0. Topsoil moisture 9% very short, 24% short, 64% adequate, 3% surplus. Subsoil moisture 14% very short, 35% short, 49% adequate, 2% surplus. Typical weather patterns continued to prevail over state last week with seasonal temperatures, isolated, afternoon thunderstorms bringing some rain and hail. Spring barley 90% turning color, 85% 2000, 85% avg.; 29% harvested, 30% 2000, 20% avg.; 2% very poor, 7% poor, 19% fair, 50% good, 22% excellent. Dry onions 1% very poor, 2% poor, 17% fair, 59% good, 21% excellent. Dry beans 45% flowered, 62% 2000, 58% avg.; 1% very poor, 4% poor, 15 fair, 62% good, 18% excellent. Sugar beets 1% very poor, 1% poor, 8% fair, 63% good, 27% excellent. Summer potatoes 1% very poor, 2% poor, 4% fair, 72% good, 21% excellent. Fall potatoes 3% very poor, 7% poor, 30% fair, 50% good, 10% excellent. Sunflowers 0% very poor, 3% poor, 19% fair, 63% good, 15% excellent. Spring wheat 75% turning color, 79% 2000, 71% avg.; 23% harvested, 29% 2000, 16% avg.; 2% very poor, 10% poor, 23% fair, 51% good, 14% excellent. Alfalfa 53% 2nd cutting, 65% 2000, 61% avg.

DELAWARE: Days suitable for field work 5.0. Topsoil 5% very short, 25% short, 58% adequate, 12% surplus. Subsoil moisture 13% very short, 4% short, 76% adequate, 7% surplus. Winter wheat 100% harvested, 100% 2000, 100% avg. Field corn 1% very poor, 1% poor, 7% fair, 72% good, 19% excellent, 91% silked, 86% 2000, 74% avg.; 19% corn doughed, 37% 2000, 19% avg.; 23% bloomed, 43% 2000, 36% avg.; 10% setting pods, 16% 2000, 13% avg.; 1% very poor, 2% poor, 9% fair, 73% good, 15% excellent. Sorghum 1% poor, 2% fair, 82% good, 15% excellent. Snap Beans 45% harvested, 52% 2000, 33% avg. Sweet Corn 35% harvested, 33% 2000, 34% avg. Cucumbers 35% harvested, 45% 2000, 43% avg. Potatoes 25% harvested, 29% 2000, 32% avg. Apple 5% poor, 15% fair, 61% good, 19% excellent. Peach 5% poor, 15% fair, 64% good, 16% excellent, 25% harvested, 36% 2000, 29% avg. Watermelons 25% harvested, 12% 2000, 18% avg. Tomatoes 13% harvested, 27% 2000, 24% avg. Cantaloupes 25% harvested, 26% 2000, 26% avg. Range, pasture feed 3% very poor, 8% poor, 8% fair, 75% good, 6% excellent. Other hay 90% 2nd cutting, harvested 74% 2000, 83% avg.; 35% 3rd cutting, 47% 2000, 38% avg. Alfalfa 32% 3rd cutting, 40% 2000, 34% avg.; All hay 7% short, 83% adequate, 10% surplus. It was dry, getting hot through Wednesday, with corn starting to show stress. Significant showers on Thursday, amounts ranged from 1.5 - 2+ inches. Much needed for corn, double-cropped soybeans. Lots of melons harvested, plus cucumbers, peaches, snap beans, sweet corn. Gentle showers from early afternoon Sunday on into the night.

FLORIDA: Topsoil, subsoil moisture supplies improved. Topsoil 1% very short, 5% short, 66% adequate, 28% surplus. Subsoil supplies 1% very short, 19% short, 59% adequate, 21% surplus. Scattered rains brought some needed rain to Panhandle, northern Peninsula localities. Rain amounts varied from less than 0.10 in. at Ocklawaha to almost 9.00 in. at Bradenton. Tallahassee, Pensacola, Jacksonville reported from about 1.50 to almost 3.00 in. Immokalee received over 4.00 in. Temperatures at major stations averaged 2° below normal to 1° above. Most daytime highs 80s, 90s; most lows 70s. Peanut 8% fair, 73% good, 19% excellent, 80% pegged. Irrigated cotton, corn, sugarcane in good condition. Tobacco harvesting continues. Haying active as weather permits. Okra harvesting, Dade County, slowing seasonally. Tomato planting getting underway, Quincy area. Wet ground delaying some ground preparation, Palmetto-Ruskin, Immokalee regions. East Coast producers cleaning ditches, leveling land, laying plastic for tomatoes, peppers. Wet first of week, drier last half, July very wet month, some citrus areas reporting over twice the normal rainfall. Abundant new growth, all fruit making good progress, fruit sizing well, some fruit splitting. Grapefruit showing good sizes, very little late bloom fruit. Caretakers cutting cover crops, herbiciding, spraying, fertilizing, hedging topping, burning grove trash. Pasture feed 5% poor, 30% fair, 65% good. Cattle 20% poor, 70% fair, 5% good, 5% excellent. Panhandle: pasture grass growth limited by dry soil conditions in several locations. North: haying

active as weather permits; disease, insect pressure increasing. Central: stock ponds still dry in spite of recent rains. Southwest: pasture feed generally good; however, some locations have pasture under water from recent rains. Statewide; cattle condition mostly good.

GEORGIA: Days suitable for field work 5.2. Soil moisture 6% very short, 23% short, 64% adequate, 7% surplus. Corn 74% dent, 83% 2000, 80% avg.; 35% mature, 53% 2000, 44% avg.; 3% harvested for grain, 12% 2000, 6% avg. Hay 2% very poor, 7% poor, 30% fair, 54% good, 7% excellent. Peanuts 98% blooming, 100% 2000, 100% avg. Sorghum 1% very poor, 2% poor, 42% fair, 48% good, 7% excellent. Tobacco 2% very poor, 6% poor, 22% fair, 54% good, 16% excellent; 38% harvested, 39% 2000, 47% avg. Watermelons 92% harvested, 93% 2000, 91% avg. Apples 10% poor, 30% fair, 40% good, 20% excellent; 7% harvested, 6% 2000, 2% avg. Peaches 96% harvested, 93% 2000, 92% avg. Pecans 5% poor, 24% fair, 55% good, 16% excellent. Temperatures for the week were near normal. A low pressure system moved through the State on Tuesday and Wednesday bring beneficial rains to most of the State. The State also received scattered showers this past weekend. The timely rains gave a boost to the State's crops and pastures. Crop conditions are mostly good to excellent. Growers were cutting, baling hay, weather permitting. Some spraying of peanuts for disease prevention was reported. Tobacco growers were busy picking the crop, getting it ready for the market. Other activities include: Mowing pastures, spraying pecans for leaf, nut disease, cotton spraying for insects, the routine care of livestock, poultry.

HAWAII: The upper-level ridge of high pressure over the State continued to bring fair weather for agriculture during the past week. Most islands experienced generally sunny conditions with scattered showers. However, much more rainfall is needed in all areas.

IDAHO: Days suitable for field work 6.9. Topsoil 29% very short, 40% short, 31% adequate. The harvest of cereal grains has begun throughout most of the state. Some areas of the Treasure, Magic Valleys have begun harvesting a third cutting of alfalfa hay. Fields with heat stressed potatoes are still being found in Eastern areas. Irrigation water 5% good, 22% fair, 25% poor, 48% very poor. Potatoes 91% closing middles, 90% 2000, 88% avg. Peaches 8% harvested, 18% 2000, 10% avg. Mint 20% harvested, 70% 2000, 26% avg. Dry Peas 52% harvested, 19% 2000, 14% avg. Oats 95% headed, 96% 2000; 3% harvested, 3% 2000, 2% avg. Alfalfa hay 64% 2nd cutting harvested, 68% 2000, 55% avg.; 4% 3rd cutting, 12% 2000, 5% avg. Winter wheat 24% harvested, 18% 2000, 9% avg.; turning 91% color. Spring wheat 98% headed, 99% 2000, avg.; 2% harvested, 3% 2000, 1% avg.; 60% turning color. Barley 99% headed, 100% 2000, 97% avg.; 2% harvested, 8% 2000, 4% avg.; 64% turning color. Activities: Cultivating, fertilizing, spraying weeds, irrigating, caring for livestock on summer range, monitoring for pests, disease, preparing equipment for harvest. Crop harvesting included: Winter wheat, spring wheat, barley, oats, hay, dry peas, peaches, mint.

ILLINOIS: Days suitable for fieldwork 5.2. Topsoil 7% very short, 35% short, 56% adequate, 2% surplus. Corn 6% dented, 9% 2000, 3% avg. Oats 94% ripe, 91% 2000, 82% avg.; 61% harvested, 70% 2000, 52% avg. Alfalfa Hay 93% 2nd cutting, 93% 2000, 88% avg.; 28% 3rd cutting, 24% 2000, 18% avg. Temperature, rainfall across the state last week were above normal which helped crops to grow rapidly, except in the areas where recent rains passed over. In those areas corn, soybean plants only became more stressed by the heat received early in the week. Farmers have been watching closely for pest problems with only minor problems reported last week. Two spotted spider mites are causing concern for soybean producers in the driest regions of the state where some producers were treating the edges of fields with insecticide. Soybean aphids continue their spread but in many cases it is believed that natural enemies like ladybug larva have been helping to control their populations. Alfalfa producers were monitoring potato leafhopper populations as their numbers remained high. Japanese beetle, beanleaf beetle, grasshoppers were also being monitored for crop damage. Leaf diseases in the corn crop have started to show up as moisture, high humidity has become more common. It was noted that nighttime moth flight picked up this week so it's time to begin watching out for second generation corn borer. Farmers were busy harvesting hay, oats last week between showers. Other activities last week included: Peach, plum, sweet corn harvest, attending seed plot tours, county fairs, getting combines out for harvest preparations.

INDIANA: Days suitable for fieldwork 4.4. Topsoil 3% very short, 16% short, 67% adequate, 14% surplus. Subsoil 4% very short, 22% short, 66% adequate, 8% surplus. Hot, humid weather continued. Rain most areas of the state helped major crops. Corn, soybeans showed marked improvement. Nearly all corn acreage has silked. Soil moisture deficient, some areas. Pastures improved last week. Winter wheat harvest is complete. Spraying for insects, weeds continued. Temperatures averaged 0° to 6° above normal. Precipitation averaged 0.34 to 4.21 inches. Corn 79% good to excellent. Soybean 72% good to excellent. Range, pasture 3% very poor, 10% poor, 32% fair, 49% good, 6% excellent. Alfalfa hay 20% 3rd cutting complete, 18% 2000. Livestock under stress due to heat, humidity. Major activities: Spraying weeds, cleaning grain bins, repairing equipment, baling hay, moving grain to market, mowing road sides, attending county fairs, caring for livestock.

IOWA: Days suitable for fieldwork 4.8. Topsoil 15% very short, 26% short, 56% adequate, 3% surplus. Subsoil moisture 11% very short, 31% short, 56% adequate, 2% surplus. Much needed rain fell last week, but high winds caused some green-snap of corn, hail damaged fields in the southwest region. Some farmers reported more than enough moisture, while others continue to hope for additional rainfall. Corn 87% tasseled, 98% 2000, 90% avg.; 72% silked, 93% 2000, 78% avg.; 17% in or past milk stage, 45% 2000, 23% avg.; 2% in or past dough stage, 12% 2000, 5% avg.; 2% very poor, 8% poor, 26% fair, 51% good, 13% excellent, 77% bloomed, 95% 2000, 88% avg.; 33% pods set, 73% 2000, 48% avg.; 2% very poor, 9% poor, 28% fair, 49% good, 12% excellent. Oats 97% turned color, 100% 2000, 100% avg.; 45% harvested, 90% 2000, 65% avg.; 1% very poor, 7% poor, 32% fair, 53% good, 7% excellent. Winter wheat 93% harvested, 98% 2000, 92% avg. Alfalfa hay 77% 2nd cutting, 91% 2000, 77% avg. Clover hay 47% 2nd cutting, 69% 2000, 47% avg. Hay 2% very poor, 9% poor, 29% fair, 53% good, 7% excellent. Pasture feed 7% very poor, 21% poor, 33% fair, 35% good, 4% excellent.

KANSAS: Days suitable for field work 4.5. Topsoil 17% very short, 28% short, 47% adequate, 8% surplus. Subsoil moisture 13% very short, 35% short, 49% adequate, 3% surplus. Much of the State received rain last week. In areas that missed the precipitation, crops continue to suffer from hot, dry conditions. Harvesting of corn for forage or silage continued due to the dry conditions. Sunflowers 63% blooming, 42% 2000, 1% very poor, 6% poor, 33% fair, 55% good, 5% excellent. Alfalfa 65% 3rd cutting complete, 74% 2000, 52% avg. Pastures benefitted from last week's precipitation. Pasture feeds declined in areas that missed the rainfall. Supplemental feeding of livestock continues to be reported. Hay and forage 2% very short, 17% short, 78% adequate, 3% surplus. Stock water 4% very short, 20% short, 71% adequate, 5% surplus.

KENTUCKY: Days suitable for fieldwork 3.8. Topsoil 4% very short, 18% short, 58% adequate, 20% surplus. Subsoil moisture 8% very short, 28% short, 53% adequate, 11% surplus. Fieldwork continued to progress with the major farm activity being topping, spraying tobacco, cutting hay. Scattered showers were received throughout the State with many areas receiving substantial amounts. Hot, humid conditions occurred throughout the week, with temperatures 3° above normal. Several more reports of blue mold, black shank were reported in burley. Tobacco 2% very poor, 7% poor, 20% fair, 56% good, 15% excellent. Burley tobacco 63% blooming, compared to 67% 2000, 48% 5-yr avg.; 35% topped, compared to 43% 2000, 26% 5-yr avg.. Dark tobacco 79% topped, compared to 59% 2000, 54% 5-yr avg.; Hay 8% very poor, 10% poor, 27% fair, 45% good, 10% excellent.

LOUISIANA: Days suitable for fieldwork 4.8. Soil moisture 5% very short, 30% short, 51% adequate, 14% surplus. Corn 1% poor, 12% fair, 65% good, 22% excellent; 99% dough stage, 99% 2000, 99% avg.; 80% mature, 80% 2000, 65% avg.; 4% harvested 26% 2000, 11% avg. Corn producers were harvesting early varieties. Hay 65% 2nd cutting, 63% 2000, 43% avg. Peaches 90% harvested, 96% 2000, 94% avg. Rice 44% ripe, 57% 2000, 35% avg.; 23% harvested, 36% 2000, 17% avg. Rice harvest made good progress. Sorghum 41% mature, 34% 2000, 12% avg. Weed, insect pressure forced soybean producers in some areas to continue spraying. Sugar cane 1% very poor, 4% poor, 16% fair, 42% good, 37% excellent. Sweet potato farmers were preparing for harvest. Livestock 1% very poor, 3% poor, 33% fair, 49% good, 14% excellent. Vegetables 7% very poor, 18% poor, 42% fair, 31% good, 2% excellent. Pastures continued to be fertilized, top-dressed.

MARYLAND: Days suitable for field work 5.9. Topsoil 12% very short, 38% short, 38% adequate, 12% surplus. Subsoil moisture 8% very short, 24% short, 56% adequate, 12% surplus. Winter wheat 97% harvested, 100% 2000, 99% avg. Field Corn 66% silked, 76% 2000, 68% avg.; 37% dough, 23% 2000, 22% avg.; 16% dent, 4% 2000, 4% avg.; 3% very poor, 7% poor, 20% fair, 67% good, 3% excellent. Sorghum 3% poor, 10% fair, 87% good, 30% headed, 40% 2000, 31% avg. Soybean 1% very poor, 5% poor, 14% fair, 75% good, 5% excellent, 38% blooming, 34% 2000, 38% avg.; 14% setting pods, 19% 2000, 16% avg. Cucumbers 55% harvested, 55% 2000, 52% avg. Snap Beans 56% harvested, 48% 2000, 46% avg. Cantaloupes 32% harvested, 37% 2000, 45% avg. Tomatoes 27% harvested, 29% 2000, 28% avg. Peaches 29% harvested, 21% 2000, 24% avg.; 25% fair, 67% good, 8% excellent. Watermelons 24% harvested, 17% 2000, 22% avg. Potatoes 55% harvested, 73% 2000, 64% avg. Sweet Corn 35% harvested, 42% 2000, 45% avg. Tobacco 7% fair, 90% good, 3% excellent, 40% bloomed, 69% 2000, 59% avg. Apple 27% fair, 70% good, 3% excellent. Range, pasture feed 7% very poor, 13% poor, 33% fair, 43% good, and 4% excellent. Other hay 87% 2nd cutting, 69% 2000, 69% avg.; 30% 3rd cutting harvested, 19% 2000, 26% avg. Alfalfa 44% 3rd cutting harvested, 34% 2000, 31% avg. All hay 1% very short, 4% short, 88% adequate, 7% surplus. Late week rains added much needed moisture to the soil which helped improve crop conditions in many areas.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 36% very short, 43% short, 20% adequate, 1% surplus. Subsoil 21% very short, 57% short, 22% adequate. All Hay 67% 2nd cutting, 51% 2000, 61% avg. Corn 6% milk, Height 61 inches, 57 inches 2000, 65 inches avg. Drybeans 35% blooming, 39% 2000, 48% avg.; 9% setting pods, 14% 2000, 12% avg. Oats 96% turning yellow, 85% 2000, 81% avg.; 17% harvested, 21% 2000, 23% avg. Some areas in the central Lower Peninsula had severe thunderstorms late Sunday night causing some damage to crops, but conditions still remain dry for most areas. Temperatures ranged from 2° below normal to 2° above normal State. Growing degree days (GDD) above normal some areas of State. Average rainfall amounts ranged from 0.08 inches to 1.36 inches Lower Peninsula. Corn mostly tasseling, pollinating, but there were signs of moisture, heat stress.

Plants especially hard hit sandy soils, areas of fields which haven't held moisture. Rainfall, cooler temperatures early week helped crop some areas but more rain needed. Corn rootworms, Japanese beetles feeding on silks. European corn borer numbers increasing. In soybean fields, soybean aphids, cyst nematodes present, spider mites seen at field margins. Wheat harvest wrapping up, yields better than expected with quality rated as good to fair. The second cutting of alfalfa central region underway. Potato leafhoppers present, pesticides being applied. In Thumb, dry beans developing slowly. Dry weather has caused pastures to dry up, producers have moved animals to hay fields to continue adequate forage supply. Several oat fields with severe lodging, making harvest difficult. Heavy rain, hail, wind from a storm that moved across Lower Peninsula Sunday caused damage to some fruit crops. A significant increase of lesser peachtree borer, dogwood borer, redbanded leafroller seen last week. Apples continued to size well across State. Potato leaf hoppers causing some damage to apples southeast. Cherry harvest continued west central, northwest. Tart, sweet cherry size reduced due to drought conditions, but quality good to excellent. Peach harvest continued early varieties. Split pits common. Blueberry harvest continued. Japanese beetle numbers high Van Buren, Allegan counties. Grapes marble sized. Powdery mildew pressure continued to be high. Strawberry fields rebounded well after renovation. Raspberry harvest almost completed. Many farms stopped harvest early because of poor fruit size, quality due to drought conditions. Cabbage harvest continued with good quality. Fall cabbage planting delayed awaiting rain. Carrot fields developing nicely, harvest just getting underway. Celery harvest continued, growth excellent. Cucumber harvest underway, quality very good. Onions continued to progress well. Peppers continued to set fruit on short plant. Potato harvest going strong. Pumpkins continued to set fruit. Snap bean harvest continued, potato leafhoppers active. Sweet corn harvest moved quickly as dry conditions hurried non-irrigated fields. Growers harvesting their second plantings. Summer squash harvest continued with good quality. Market tomato harvest volume increasing, quality improving. Processing tomatoes continued to set fruit. Non-irrigated vine crops suffering from heat, dry while irrigated fields good shape.

MINNESOTA: Days suitable for field work 4.7. Topsoil 8% very short, 20% short, 66% adequate, 6% surplus. Soybeans 22 in. height, 23 in. 2000, 23 in. avg. Spring Wheat 58% turning ripe, 87% 2000, 65% avg. Oats 90% turning ripe, 86% 2000, 83% avg. Barley 66% turning ripe, 91% 2000, 64% avg. Rye 20% harvested, 34% 2000, 39% avg. Sweet corn 3% harvested, 5% 2000, 6% avg. Pasture feed 6% very poor, 16% poor, 42% fair, 32% good, 4% excellent. Sugarbeets 5% very poor, 12% poor, 21% fair, 49% good, 13% excellent. Dry beans 2% very poor, 6% poor, 23% fair, 60% good, 9% excellent. Potatoes 0% very poor, 1% poor, 24% fair, 43% good, 32% excellent. Sunflowers 1% very poor, 8% poor, 17% fair, 63% good, 11% excellent. Canola 1% very poor, 2% poor, 34% fair, 56% good, 7% excellent. Row crop conditions improved due to last week's cooler

temperatures, rainfall. Crops are still suffering from dryness in the central, east central portions of the state where topsoil moisture continues to be short to very short. During the week the corn acreage has moved rapidly into the pollination stage. Corn is tasseling later this year than previous years. There is concern that some corn is tasseling before reaching an adequate height. The sweet corn harvest for processing has begun in scattered localities.

MISSISSIPPI: Days suitable for fieldwork 5.6. Soil moisture 6% very short, 26% short, 64% adequate, 4% surplus. Corn 96% dough, 96% 2000, 92% avg.; 74% dent, 81% 2000, 73% avg.; 26% mature, 31% 2000, 21% avg.; 36% silage harvested, 36% 2000, 36% avg.; 2% poor, 16% fair, 59% good, 23% excellent. Cotton 96% setting bolls, 97% 2000, 96% avg.; 6% poor, 17% fair, 57% good, 20% excellent. Rice 60% heading, 47% 2000, 54% avg.; 4% poor, 13% fair, 63% good, 20% excellent. Sorghum 98% heading, 96% 2000, 93% avg.; 50% turning color, 47% 2000, 44% avg.; 9% mature, NA 2000, NA avg.; 3% poor, 12% fair, 63% good, 22% excellent. Soybeans 97% blooming, 94% 2000, 87% avg.; 87% setting pods, 82% 2000, 68% avg.; 14% turning color, 4% 2000, 1% avg.; 5% poor, 21% fair, 57% good, 17% excellent. Sweetpotatoes 1% very poor, 3% poor, 27% fair, 49% good, 20% excellent. Hay (Warm Season) 72% harvested, 60% 2000, 67% avg. Watermelons 79% harvested, 73% 2000, 73% avg. Cattle 2% poor, 14% fair, 64% good, 20% excellent. Pasture 3% poor, 21% fair, 58% good, 18% excellent. Rains across the state were beneficial to many of the row crops, farmers who have pasture, hay.

MISSOURI: Days suitable for fieldwork 3.6. Topsoil 7% very short, 16% short, 70% adequate, 7% surplus. Rainfall averaged 2.28 inch ranging from 1.07 inch northeast to 3.35 inches northwest. Temperatures mostly 1 to 3° normal ranging from 0 to 4°. Corn 2% very poor, 9% poor, 29% fair, 46% good, 14% excellent, 93% silked, 99% 2000, 89% normal, 56% dough stage, 62% 2000, 44% normal. Soybean 5% very poor, 15% poor, 38% fair, 37% good, 5% excellent, 55% blooming, 83% 2000, 64% normal, 28% setting pods, 47% 2000, 24% normal. Grain sorghum 1% very poor, 9% poor, 36% fair, 50% good, 4% excellent, 54% headed, 72% 2000, 52% normal, 15% turning color, 8% 2000, 4% normal. Pasture, range feed 4% very poor, 13% poor, 36% fair, 41% good, 6% excellent. Alfalfa 91% 2nd -crop cut, 98% 2000, 92% normal. Other hay 95% cut, 97% 2000, 92% normal.

MONTANA: Days suitable for fieldwork 5.9. Topsoil 23% very short, 29% short, 45% adequate, 3% surplus. Subsoil moisture 37% very short, 33% short, 29% adequate, 1% surplus. Rain fell sporadically throughout the state last week, with anywhere from trace amounts to heavy downpours being observed. Hail was also reported frequently, in many areas of the state. The high temperature last week was 102° in drought-stressed Havre. The low was 32° in Wisdom. High temperatures

were in the 80's and 90's all over state last week. Culbertson, in the northeast district saw the most precipitation with 2.67 inches hitting the ground. Small grains which are not irrigated, especially in the north-central region of the state, are suffering from the hot weather. Much of the small grains crop there will be harvested for hay this year. With regards to the hay harvest, Alfalfa 93% of the 1st cutting is now complete, 99% in 2000. As for other hay, 77% of the 1st cutting is complete, 78% 2000, 13% 2nd cuttings, of alfalfa hay has been hayed, 6% of other hay. Winter wheat 98% turning, 100% 2000, 87% ripe, 88% 2000, 41% harvested, 36% 2000, 36% very poor, 28% poor, 25% fair, 10% good, 1% excellent. One hundred percent of the spring wheat crop is now headed, 99% in 2000. Spring wheat 72% turned, 79% 2000, 16% ripe, 17% ripened 2000, 29% very poor, 12% poor, 19% fair, 29% good, 11% excellent. Barley 99% headed, 99% 2000, 69% turning, 81% 2000, 12% ripened, 16% 2000, 1% harvested, 4% 2000, 25% very poor, 17% poor, 28% fair, 25% good, 5% excellent. Oats 95% headed, 51% turning, 19% ripened, 99%, 77%, 21% respectively 2000, 2% harvested, 5% harvested 2000, 6% very poor, 16% poor, 23% fair, 40% good, 15% excellent, 1% very poor, 9% poor, 33% fair, 40% good 17% excellent. Dry beans 0% very poor, 2% poor, 33% fair, 53% good, 12% excellent. The corn 0% very poor, 4% poor, 27% fair, 42% good, 27% excellent. Potatoes 0% very poor, 1% poor, 22% fair, 48% good, 29% excellent. Ranchers are still dealing with water shortages throughout the state. However, reports indicate that livestock are in generally good shape, as CRP is open in many areas to grazing and haying. There are still concerns over winter feed shortages. Haying progressed this week after persistent rains had slowed progress last week. State-wide, range, d pasture feed 16% very poor, 22% poor, 33% fair, 23% good, 6% excellent.

NEBRASKA: Days suitable for fieldwork 5.1. Topsoil, subsoil moisture supplies adequate to short. Temperatures for the week averaged near normals across the state. Precipitation widespread with many sites recording over 1.0 inch. Winter wheat 95% harvested, 99% 2000, 93% avg. Oats 1% very poor, 8% poor, 31% fair, 55% good, 5% excellent; 73% harvested, 84% 2000, 77% avg. Corn 2% very poor, 6% poor, 21% fair, 50% good, 21% excellent; 84% silked, 87% 2000, 82% avg.; 17% dough, 17% 2000, 8% avg. Soybeans 1% very poor, 10% poor, 32% fair, 45% good, 12% excellent; 79% blooming, 86% 2000, 80% avg.; 24% setting pods, 43% 2000, 26% avg. Sorghum 1% very poor, 9% poor, 39% fair, 43% good, 8% excellent; 26% headed, 46% 2000, 23% avg. Alfalfa 4% very poor, 13% poor, 32% fair, 43% good and 8% excellent; second cutting 91% harvested, 98% 2000, 89% avg.. Pasture and range condition 5% very poor, 14% poor, 36% fair, 38% good, 7% excellent

NEVADA: Temperatures averaged near normal across the State. Limited precipitation was recorded in the east, traces fell in the extreme south. Two large lightning-caused wildland fires continued out of control northeast.

Irrigation water supplies continued to diminish, some surface districts have ceased deliveries. Second cutting of alfalfa hay advanced and third cutting was getting underway in the early areas. Alfalfa condition mostly fair to good. Hay shipments increased. Other hay harvest continued. Wheat was entering the hard dough stage in Humboldt county. Barley was turning color. Much of the grain acreage was cut for hay. Corn condition mostly good with silage harvest approaching. Potatoes still in bloom. Onion condition good. Garlic condition good. Cantaloupe crop may suffer from lack of late season irrigation water. Range, pasture feed continued seasonal decline. Some movement of livestock necessary due to lack of water. Grasshopper infestations hurting some northeastern range. Main farm, ranch activities: Haying, irrigating, marketing hay, livestock.

NEW ENGLAND: Days suitable for fieldwork: 6.6. Topsoil 1% very short, 33% short, 65% adequate, 1% surplus. Subsoil moisture 0% very short, 32% short, 67% adequate, 1% surplus. Pasture feed 0% very poor, 7% poor, 36% fair, 51% good, 6% excellent. Maine potatoes 5% harvested, 0% 2000, 0% avg.; condition excellent to good. Rhode Island potatoes 10% harvested, 5% 2000, 5% avg.; condition good. Massachusetts potatoes: Condition good. Oats in Maine: Condition excellent to good. Barley in Maine: Condition excellent to good. Field corn: Condition good to excellent. Sweet corn 20% harvested, 20% 2000, 20% avg.; condition good. Shade Tobacco 15% harvested, 10% 2000, 30% avg.; condition good. Broadleaf Tobacco 15% harvested, 5% 2000, 10% avg.; condition good to fair. Hay 1st 95% harvested, 95% 2000, 95% avg.; condition fair to good. Hay 2nd 65% harvested, 40% 2000, 40% avg.; condition good to fair. Third crop hay: 15% harvested, 5% 2000, 5% avg.; condition good to fair. Apples: Condition fair in CT, very poor in RI and good elsewhere. Peaches: 5% harvested, 10% 2000, 10% avg.; condition good to fair. Pears Condition poor to fair. Cranberries in MA: Condition good; fruit size avg. Highbush blueberries: 25% harvested, 30% 2000, 35% avg.; condition good to fair. Wild Blueberries: Condition good. Cool conditions followed a period of extremely hot, humid weather. One day of showers failed to alleviate dry soil conditions and crops are in need of rain. Most crops remained in good condition or better, hay, corn crops continued to recover from significant damage caused by the massive armyworm attacks which took place in early to mid-July. Major farm activities: Applying fertilizer; cultivating; irrigating; hoeing; spreading manure; cutting hay and chopping haylage; harvesting shade and broadleaf tobacco, peaches, raspberries, both highbush, lowbush blueberries, potatoes, sweet corn, cole crops, tomatoes, other vegetables spraying for weeds, insects, fungus.

NEW JERSEY: Days suitable for field work 5.6. Topsoil 5% very short, 43% short, 52% adequate. A slow moving cold front triggered scattered showers, thunderstorms across the state last week. While the resulting cooler temperatures brought some relief, the rains did little to

replenish soil moisture levels. Winter Wheat 100% harvested. Barley 100% harvested. Corn 81% silked, 1% very poor, 2% poor, 45% fair, 49% good, 3% excellent. Soybeans 75% blooming, 11% fair, 89% good. Some producers have delayed finishing their second cutting of hay due to dry conditions. Activities included: Scouting and spraying fields for insect and disease problems, weeding, fertilizing, and irrigating fruit, vegetable crops. Vegetable producers continued harvesting cabbage, cucumbers, summer potatoes, peppers, fresh market tomatoes. Crop condition for tomatoes, peppers, pumpkins was rated as mostly good, although producers reported minor disease problems in some fields. Sweet corn was rated in mostly good condition with harvest nearly 40% complete in some areas. Cantaloupe, lima beans, carrots were also rated in mostly good condition. Cranberries were rated in mostly good condition. Blueberries were rated in mostly good to excellent condition with harvest nearly 75% completed in some areas. Peaches were rated in mostly good condition with producers continuing to make good progress harvesting early varieties. Apples were also rated in mostly good condition by producers.

NEW MEXICO: Days suitable for field work 6.8. The southeast plains remained hot and dry while typical summer weather prevailed elsewhere. Locations in the southeast hit 100 degrees on a number of days. Rain was measurable at nearly all locations except for the extreme southeast, extreme northwest. Soil moisture 24% very short, 52% short, 24% adequate. Farmers spent the week irrigating and harvesting various crops. Farmers across the state are spraying due to a heavy grasshopper infestation. Alfalfa improved slightly and is in fair to excellent condition with over half of the fourth cutting complete. Cotton, corn were in mostly fair to excellent condition with 90% cotton setting bolls, 10% opening bolls. Corn 97% tasseled, 79% dough stage. Onion harvest 84% complete. Sorghum was in poor to good condition with 20% crop heading. The chile crop improved slightly last week, is listed in poor to excellent condition. Apples were listed in poor to fair condition, pecans were listed in fair to excellent condition. Ranchers over the week again hauled water, feed. The range was still in desperate need of more rain. Cattle, sheep feeds varied from very poor to excellent last week. Pasture, range feed 11% very poor, 26% poor, 48% fair, 15% good.

NEW YORK: Days suitable 6.2. Soil moisture 13% very short, 51% short, 36% adequate. Pasture feeds 9% very poor, 29% poor, 38% fair, 24% good. Alfalfa 77% 2nd cutting complete, 9% 3rd cutting complete. Dryness resulting in little regrowth. Corn 8% poor, 10% fair, 59% good, 23% excellent. Winter wheat 62% harvested. Soybean condition good. Sweet corn harvest underway. Cabbage in good condition, harvest picked up momentum. Dry weather slowed disease development in vineyards in western regions. On Long Island disease pressure was moderate. Cluster thinning activities continued. Peach

harvest underway. Cherry harvest wound down. Rain would benefit all crops in all parts of the state

NORTH CAROLINA: Days suitable for fieldwork dropped to 4.9 days after two straight weeks of 6.1. After consecutive weeks of dry weather, most areas in state received significant precipitation last week. Combined with slightly below average temperatures, the week's weather was ideal for field crops with the dog days of August nearly upon us. The rainfall bolstered soil moisture, which had been slipping, to its current rating of 1% very short, 13% short, 70% adequate, 16% surplus. Farmers able to get in the fields were busy topping, harvesting tobacco. Other activities included: Scouting for, administering pest control on all crops, baling hay, harvesting peaches. Accompanying the rain were increased incidences of blue mold on tobacco.

NORTH DAKOTA: Days suitable for fieldwork 4.1. Topsoil 0% very short, 5% short, 76% adequate, 19% surplus. Subsoil moisture 0% very short, 4% short, 75% adequate, 21% surplus. Thunderstorms spread across most of the state last week while temperatures cooled off to slightly below normal. Durum wheat 95% headed, 95% 2000, 88% avg.; 59% milk, 74% 2000, 56% avg.; 12% turning, 31% 2000, 19% avg. Canola 38% turning, 64% 2000, 33% avg.; 4% swathed, 9% 2000, 5% avg. Dry edible beans 93% blooming, 91% 2000, 86% avg.; 58% podding, 55% 2000, 46% avg. Potatoes 98% blooming, 98% 2000, 95% avg.; 98% rows filled, 82% 2000, 83% avg. Flaxseed 99% blooming, 98% 2000, 87% avg.; 7% turning, 23% 2000, 13% avg. Sunflowers 13% blooming, 16% 2000, 13% avg. Emerged crop conditions: Durum wheat 1% very poor, 8% poor, 31% fair, 54% good, 6% excellent. Canola 1% very poor, 5% poor, 26% fair, 58% good, 10% excellent. Dry edible beans 0% very poor, 2% poor, 23% fair, 55% good, 20% excellent. Flaxseed 0% very poor, 2% poor, 20% fair, 69% good, 9% excellent. Potatoes 0% very poor, 1% poor, 10% fair, 52% good, 37% excellent. Sugarbeets 0% very poor, 3% poor, 15% fair, 49% good, 33% excellent. Sunflowers 0% very poor, 3% poor, 20% fair, 67% good, 10% excellent. Pasture feed 0% very poor, 4% poor, 30% fair, 58% good, 8% excellent. Hay conditions are estimated at 91% of normal. Stockwater 0% very short, 1% short, 95% adequate, 4% surplus. Alfalfa 98% 1st cutting complete, 29% 2nd cutting complete while other hay was 71% complete.

OHIO: Days suitable for fieldwork 5.2. Topsoil 11% very short, 33% short, 51% adequate, 5% surplus. Alfalfa hay 81% 2nd cutting, 87% 2000, 79% avg. 13% 3rd cutting, 16% 2000, 12% avg. Corn 1% dented, 0% 2000, 0% avg.; 15% in dough, 16% 2000, 10% avg.; 81% silked, 86% 2000, 59% avg. Cucumbers 31% harvested. Oats 54% harvested, 48% 2000, 44% avg.; 91% ripe, 91% 2000, 88% avg. Other hay 61% 2nd cutting, 54% 2000, 54% avg.; 7% 3rd cutting, 0% 2000, 4% avg. Peaches 32% harvested, 35% 2000. Potatoes 3% harvested, 13% 2000, 7% avg. Soybeans 86% bloomed, 84% 2000, 73% avg.; 38% setting pods, 38% 2000, 28% avg. Summer apples

48% harvested, 45% 2000, 51% avg. Tobacco 12% topped, 23% 2000. Corn 3% very poor, 8% poor, 28% fair, 47% good, 14% excellent. Hay 3% very poor, 13% poor, 30% fair, 45% good, 9% excellent. Oat 5% poor, 30% fair, 55% good, 10% excellent. Pasture feed 5% very poor, 14% poor, 33% fair, 40% good, 8% excellent. Soybean condition 2% very poor, 8% poor, 31% fair, 47% good, 12% excellent. Activities throughout the state include: Harvesting oats, finishing up wheat harvest, mowing ditches, feedlots, spraying soybeans, spreading lime, baling hay, straw, cultivating corn, tobacco, repairing equipment, buildings, hauling grain, manure, scouting fields for insects, diseases, shearing Christmas trees, picking apples, peaches, watermelons, harvesting sweet corn, other vegetables, preparing for county fairs. Reported insects included: Spider mites, leaf hoppers, European Corn Borer, Japanese beetles. Reported weed problems include Canada thistle, giant ragweeds, dogbane, thistles, marehail. In Adams County, there are reports of Blue Mold in some of the Tobacco fields. Fruit, vegetable crops were reported in good to excellent condition throughout the state. Livestock conditions are mostly in the good to excellent range. Heat, humidity, deer flies, face flies, horse flies, mosquitoes contributed to livestock stress throughout the state.

OKLAHOMA: Days suitable for fieldwork 6.8. Topsoil 52% very short, 40% short, 8% adequate. Subsoil moisture 32% very short, 42% short, 26% adequate. Wheat 92% plowed, 91% last week, 90% 2000, 86% avg.; 10% seedbed prepared, 5% last week, 16% 2000, 10% avg.; Oats 91% plowed, 90% last week, 85% 2000, 83% avg.; 7% seedbed prepared, 4% last week, 16% last year, 7% avg; Corn 6% very poor, 10% poor, 28% fair, 44% good, 12% excellent; 96% silking, 81% last week, 88% 2000, 89% avg; 60% dough, 30% last week, 32% 2000, 38% avg.; 18% mature, 7% last week, 14% 2000, 6% avg.; Soybeans 11% very poor, 20% poor, 35% fair, 29% good, 5% excellent; 65% blooming, 60% last week, 56% 2000, 63% avg.; 35% setting pods, 25% last week, 34% 2000, 31% avg. Peanuts 48% setting pods, 45% last week, 59% 2000, 60% avg. Alfalfa Hay 5% very poor, 19% poor, 50% fair, 25% good, 1% excellent; 89% 3rd cutting, 75% last week, 64% 2000, 59% avg. Other Hay 11% very poor, 30% poor, 43% fair, 15% good, 1% excellent; 95% 1st cutting, 95% last week, 94% 2000, 90% avg.; 42% 2nd cutting, 35% last week, 42% 2000, 24% avg. Watermelons 70% harvested, 50% last week, 58% 2000, 46% avg. Livestock 1% very poor, 7% poor, 41% fair, 46% good, 5% excellent; Cattle auctions reported average marketings for the week. The price for feeder steers less than 800 pounds was down nearly a dollar from last week, averaged \$92.40 per cwt. The price for feeder heifers less than 800 pounds was also down nearly a dollar from last week, averaged \$87.70 per cwt

OREGON: Days suitable for fieldwork: 7. Topsoil 28% very short, 51% short, 21% adequate. Subsoil 29% very short, 47% short, 24% adequate. Irrigation water supply 18% very short, 34% short, 48% adequate. Barley 36%

harvested, 18% 2000, 20% avg.; 19% very poor, 30% poor, 35% fair, 16% good. Spring wheat 32% harvested. Winter wheat harvested 47%, 34% 2000, 29% avg.; 18% very poor, 35% poor, 34% fair, 12% good, 1% excellent. Range, Pasture 13% very poor, 26% poor, 35% fair, 26% good. Activities: Grain, hay harvest continued in most areas with some finishing in north end of Sherman County. Small grain harvest in Northeast counties about ready to start. Crops look good in areas of Klamath County where irrigation water has not been restricted, but dryland crops are very poor. Willamette Valley, Union County grass seed harvest continued. Some areas interrupted by rain. Nurseries continued irrigation & moving balled plants & trees to landscape areas for in-ground planting. Willamette Valley growers harvested irises. Easter lily growers were roguing out off type plants, weeding; some growers changed machinery over for harvesting. Klamath County potato 95% rows closed & 40% flowering. Willamette Valley sweet corn set ears, silked in early planted fields with harvest about 2-3 weeks away. Green bean harvest about 30% complete. Carrots, beets growing well; some tomatoes ripened. Onions doing well. Jackson, Josephine counties truck gardens production, sales brisk. Tomatoes ripened, sweet corn harvest began. Willamette Valley fruit harvest continued. Low yield reported for summer peaches, blackberries, but good quality. Summer peaches available at road-side stands. Raspberry harvest slowed down while blueberries in full harvest, being marketed. Walnuts sized. Hazelnuts point towards bumper crop. Southern coast cranberries sized. Blueberry quality mostly good to excellent. Jackson County raspberry harvest complete; native blackberries being picked. Heavy winds caused smaller apples, pears to fall from trees. Union County sweet cherry harvest continued. Ranges, pastures continue to suffer from lack of moisture. Livestock still in mostly good condition. Washington County cows showed good gains. Klamath County hauling of limited water continued in addition to some supplemental feeding.

PENNSYLVANIA: Days suitable for field work 5.7. Soil moisture 26% very short, 49% short, 24% adequate, 1% surplus. Corn 61% silk, 67% 2000, 58% avg. Corn 29% dough, 23% 2000, 12% avg.; Corn height 70% complete, 66% 2000, 61% avg.; 6% very poor, 8% poor, 34% fair, 37% good, 15% excellent. Barley 97% harvested, 96% 2000, 97% avg. Winter wheat 98% harvested, 92% 2000, 90% avg.; 7% poor, 30% fair, 52% good, 11% excellent. Oats 83% turning yellow, 89% 2000, 90% avg.; 64% ripe, 55% 2000, 58% avg.; 37% harvested, 31% 2000, 34% avg.; 8% poor, 35% fair, 46% good, 11% excellent. Soybean 1% very poor, 4% poor, 37% fair, 41% good, 17% excellent. Potatoes 9% harvested, 5% 2000, 3% avg. Alfalfa 78% 2nd cutting, 74% 2000, 74% avg.; 40% 3rd cutting complete, 22% 2000, 18% avg. Timothy clover 98% 1st cutting, 95% 2000, 96% avg.; 30% 2nd cutting complete, 28% 2000, 30% average. Peach crop 40% harvested, 27% 2000, 21% avg.; 5% very poor; 10% poor, 30% fair, 24% good, 31% excellent. Apples 9% harvested, 14% 2000, 7% avg.; 2% very poor, 3% poor, 34% fair, 42% good, 19% excellent. Quality of hay made

1% very poor, 12% poor, 31% fair, 32% good, 24% excellent. Pasture feeds 18% very poor, 31% poor, 28% fair, 16% good, 7% excellent. Activities include: Harvesting barley, wheat, oats, fruit, vegetables; fixing fences; making hay, haylage; caring for livestock; machinery maintenance; spreading lime, fertilizers; hauling manure; applying pesticide; attending fairs, filling silos; irrigating crops.

SOUTH CAROLINA: Days suitable for field work 5.1. Soil moisture 1% very short, 13% short, 73% adequate, 13% surplus. Sorghum 69% headed, 69% 2000, 64% avg.; 45% turned color, 39% 2000, 45% avg.; 5% matured, 5% 2000, N/A avg; 1% very poor, 6% poor, 12% fair, 81% good. Cotton 87% squared, 97% 2000, 98% avg.; 45% bolls set, 59% 2000, 63% avg.; 3% poor, 24% fair, 63% good, 10% excellent. Peanuts 90% pegged, 83% 2000, 77% avg.; 1% poor, 15% fair, 70% good, 14% excellent. Soybeans 100% emerged, 100% 2000, NA avg.; 45% bloomed, 43% 2000, 38% avg.; 30% pods set, 27% 2000, 18% avg.; 1% very poor, 3% poor, 18% fair, 58% good, 20% excellent. Corn 99% Silked, 100% 2000, 100% avg.; 83% doughed, 93% 2000, 89% avg.; 35% matured, 49% 2000, 48% avg.; 2% harvested, 9% 2000, 7% avg.; 2% poor, 15% fair, 58% good, 25% excellent. Pasture feed 3% poor, 31% fair, 60% good, 6% excellent. Sweetpotatoes 3% poor, 16% fair, 68% good, 13% excellent. Tobacco 98% topped, 100% 2000, 99% avg; 31% harvested, 32% 2000, 34% avg.; 1% stalks destroyed, 3% 2000, 3% avg; 1% very poor, 4% poor, 17% fair, 62% good, 16% excellent. Peaches 68% harvested, 68% 2000, 70% avg.; 14% poor, 29% fair, 48% good, 9% excellent. Apples 62% poor, 28% fair, 8% good, 2% excellent. Snap beans, Fresh, 99% harvested, 99% 2000, 96% avg. Watermelons, 93% harvested, 97% 2000, 95% avg. Tomatoes, 99% harvested, 95% 2000, 98% avg. Cantaloups 97% harvested, 95% 2000, 95% avg. Livestock 1% poor, 24% fair, 59% good, 16% excellent. Hay 70% harvested, 74% 2000, 80% avg.; 2% poor, 30% fair, 60% good, 8% excellent.

SOUTH DAKOTA: Days suitable for field work 3.9. Topsoil 4% very short, 11% short, 75% adequate, 10% surplus. Subsoil moisture 1% very short, 18% short, 72% adequate, 9% surplus. Feed 2% very short, 13% short, 78% adequate, 7% surplus. Stock water 1% very short, 4% short, 74% adequate, 21% surplus. Winter Rye 8% very poor, 5% poor, 19% fair, 59% good, 9% excellent, 100% turning color, 100% 2000, 99% avg.; 64% ripe, 94% 2000, 86% avg.; 7% harvested, 40% 2000, 35% avg.; 99% turning color, 100% 2000, 99% avg.; 87% ripe, 98% 2000, 90% avg. Spring Wheat 90% turning color, 95% 2000, 87% avg.; 45% ripe, 71% 2000, 46% avg. Barley 90% turning color, 95% 2000, 87% avg.; 45% ripe, 74% 2000, 47% avg. Oats 91% turning color, 96% 2000, 88% avg.; 52% ripe, 82% 2000, 59% avg. Corn 77% tassled, 85% 2000, 69% avg.; cultivated or sprayed twice 93%, 94% 2000, 96% avg. Sunflower 1% poor, 14% fair, 70% good, 15% excellent, 14% blooming, 15% 2000, 19% avg.; 0% ray flowers dry, 1% 2000, 1% avg. Alfalfa hay 2% very

poor, 16% poor, 28% fair, 46% good, 8% excellent, 68% 2nd cutting harvested, 72% 2000, 61% avg.; 3% 3rd cutting harvested, NA% 2000, NA% avg. Other hay 82% harvested, 81% 2000, 76% avg. Range, Pasture 1% very poor, 7% poor, 27% fair, 50% good, 15% excellent. Cattle 1% poor, 9% fair, 69% good, 21% excellent. Sheep 1% poor, 6% fair, 73% good, 20% excellent. Much needed precipitation falls across many areas of the state last week. The rain came at an excellent time for row crops as corn is now in the silking stage. The rain did slow small grain and alfalfa harvest. Livestock continue mostly in good to excellent condition with good range, pasture feeds.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 4% very short, 26% short, 64% adequate, 6% surplus. Subsoil moisture 7% very short, 33% short, 57% adequate, 3% surplus. Tobacco 2% very poor, 2% poor, 19% fair, 56% good, 21% excellent. Pastures 2% very poor, 7% poor, 27% fair, 52% good, 12% excellent. The Volunteer State experienced mostly warm, humid weather last week, but scattered afternoon and evening thunderstorms provided much need moisture to crops, pastures. Some areas, especially in East state, received heavy amounts of rainfall, while a few locations in the West missed the rain altogether. Although the rain was welcomed, more will be needed in major producing areas in order for crops to reach their full potential. Nearly half of the State's tobacco crop has been topped with an additional 19% completed last week. Blue mold became more prevalent this past week with confirmed cases in a few additional counties. The second cutting of alfalfa hay was virtually completed this past week with only a few fields left to be harvested.

TEXAS: In late week isolated showers were present across portions of the Plains, North Central State. Other isolated showers moved inland from coastal areas but, no relief from the dry conditions was realized across the state. Yield potential continued to decline in the state's remaining dryland crops, some irrigated crops were also showing signs of stress. Supplemental feeding continued to increase in most areas as pastures continued to decline. Herd reduction continued in the drier areas, hauling water to livestock became more widespread as stock ponds were to becoming unusable for many producers. Danger of range fires increased, the number of reported fires also increased across the state. In areas where previous, adequate rains occurred, crop advancement continued however, stress from heat, drier weather was causing concern with producers in these areas. Grasshoppers continued to cause major problems in some locations. Haying operations continued where possible, some soybeans were baled to supplement hay supplies in a few locations. Field Crops: Small Grains: Land preparation for fall wheat, oat planting continued across the state. Corn: Irrigated corn continued to make fair to good development across the state. Remaining dryland corn continued to suffer, some producers were baling their crop to enhance feed supplies. Grain harvest was active in central,

southern areas. Statewide corn condition was rated at 68% of normal compared with 82% 2000. Corn Dented, Published 55%, 2000, 59%, Average, 55%. Mature 49%, 2000, 48%, Average 43%. Harvested, Published 26%, 2000, 28%, Average 18%. Cotton: Irrigated cotton continued to make fair to good progress across the state however, stress was evident in many locations as providing enough water was difficult for some producers. Some boll drop was occurring in varied irrigated locations. Remaining dryland cotton was suffering, abandonment and zeroing out continued for many producers. Harvest moved forward in Southern areas. Cotton 48% of normal compared with 73% 2000. Bolls Opening, Published 12%, 2000 12%, Average 11%. Harvested, Published 2%, 2000 4%, Average 2%. Sorghum: Progress continued on early planted sorghum across the Plains, portions of North State where irrigation was available. Remaining dryland sorghum was suffering in all areas, emergence had not occurred in some late planting across portions of the Plains. Harvest continued in Central, Southern locations. Some forage sorghums may contain concentrations of prussic acid or nitrite poisoning. Sorghum 44% of normal compared with 67% 2000. Sorghum Mature, Published 42%, 2000 44%, Average 43%. Harvested, Published 35%, 2000 36%, Average 33%. Peanuts: Irrigated peanuts continued to make fair to good progress across the state however, stress was evident in some locations as water requirements exceeded well output. Dryland peanuts continued to suffer, abandonment remained a consideration in many locations. Peanut 74% of normal compared with 82% 2000. Rice: Good development continued as fields were nearing maturity. Draining of fields continued, harvest was beginning to gain momentum. Rice 80% of normal compared with 82% 2000. Harvested, Published 5%, 2000 7%, Average 5%. Soybeans: Good to fair progress continued in irrigated soybeans however, dryland fields were suffering, some beans were being baled to increase hay supplies. Yield on harvested beans in costal areas was variable. Commercial Vegetables, Fruit, Pecans Rio Grande Valley land preparation continued but, remained slow as a result of the continued dry conditions. San Antonio-Winter Garden Some melons, okra were still producing but, only in isolated locations. Cabbage planting began for some producers. East State harvest continued but, was slowing for remaining vegetables. Peas, tomatoes, melons continued to produce in some locations, sweet potatoes were variable depending on available soil moisture. High Plains progress continued for potatoes, carrots, pumpkins, watermelons, cantaloupes, cucumbers. Harvesting of onion, sweetcorn, squash remained active. In areas of the Trans-Pecos region, potato harvest was completed. Pecans: Irrigation remained necessary where possible, nut drop continued in most dry land orchards across the state. Some disease, insects continued to cause problems in varied locations. Peaches: Harvest of late maturing varieties continued however, harvest of most other varieties was completed. Range, Livestock: Range, pasture feeds continued to decline in most areas. Supplemental feeding of livestock continued to increase as a result as pasture grasses remained dormant.

Concern was high as to the possibility that regrowth of pasture grasses will be limited, winter pasture will not be available. Hay supplies remained short, were getting shorter for many producers who were supplementing their herds. Some herds were being totally fed. Hauling water to livestock remained necessary for an increasing amount of producers as stock ponds continued to dry up. Herd reduction continued to increase across many areas of the state as conditions pastures continued to decline. Haying operations continued where possible. Grasshopper populations continued to cause damage to remaining pastures, hay fields in some locations. Trees, brush species continued to die from lack of water in many locations across the state.

UTAH: Days suitable for field work 7. Topsoil 25% very short, 29% short, 46% adequate. Subsoil moisture 21% very short, 30% short, 49% adequate. Pasture, range feed 5% very poor, 20% poor, 39% fair, 36% good. Irrigation water 24% very short, 34% short, 42% adequate. Stock water 19% very short, 27% short, 54% adequate. Winter wheat 37% harvested, 46% 2000, 39% avg.; 7% very poor, 10% poor, 34% fair, 48% good, 1% excellent. Spring wheat 22% harvested, 23% 2000, 20% avg.; 6% very poor, 12% poor, 30% fair, 50% good, 2% excellent. Barley 25% harvested for grain, 41% 2000, 28% avg.; 2% very poor, 8% poor, 30% fair, 54% good, 6% excellent. Oats 92% headed, 90% 2000, 89% avg.; 83% harvested for hay or silage, 75% 2000, 66% avg.; harvested for grain 20%, 9% 2000, 8% avg. Corn: height 66 inches, 65 inches 2000, 60 inches avg; 0% very poor, 6% poor, 28% fair, 61% good, 5% excellent. Corn 44% silked, 33% 2000, 24% avg.; dough 7%. Alfalfa hay 77% 2nd cutting, 79% 2000, 62% avg.; 20% 3rd cutting. Other hay 93% cut, 85% 2000, 75% avg. Tart cherries 92% picked, 70% 2000, 65% avg. Peaches 9% picked, 1% avg. Hot, dry weather continues across the state. Irrigation water is starting to be in short supply, producers are starting to let some alfalfa fields go dormant to have adequate supplies for other fields, crops. Some irrigation ditches are completely out of water. Mormon crickets are gone but grasshoppers continue to cause problems in some areas.

VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 8% very short, 21% short, 61% adequate, 10% surplus. Subsoil moisture 9% very short, 34% short, 56% adequate, 1% surplus. Pasture 2% very poor, 20% poor, 38% fair, 34% good, 6% excellent. Livestock 1% poor, 14% fair, 66% good, 19% excellent. Other Hay 1% very poor, 12% poor, 39% fair, 39% good, 9% excellent. Alfalfa Hay 4% poor, 31% fair, 46% good, 19% excellent. Corn for grain 3% very poor, 13% poor, 32% fair, 38% good, 14% excellent 77% silked, 85% 2000, 72% 5-yr.; 44% Dough, 40% 2000, 32% 5-yr avg.; 12% Dent, 6% 2000, 6% 5-yr avg. Soybeans 3% very poor, 14% poor, 42% fair, 34% good 7% excellent, 37% blooming, 33% 2000, 29% 5-yr.; 11% Setting Pods, 14% 2000, 7% 5-yr avg. Barley 2% very poor, 12% poor, 35% fair, 43% good, 8% excellent. Flue-cured tobacco 1% very poor, 2% poor, 18% fair, 60% good, 19% excellent, 10% harvested, 9% 2000, 6% 5-yr avg. Burley tobacco 1% very poor, 8% poor, 21% fair, 55% good, 15% excellent. Dark-fire tobacco 2% very poor, 5% poor, 32% fair, 53% good, 8% excellent. Sun Tobacco 2% fair, 98% good. Peanuts 2% poor, 18% fair, 73% good, 7% excellent. Peanuts 92% pegged, 61% 2000, 86% 5-yr avg. Cotton 5% poor, 36% fair, 48% good, 11% excellent, 75% setting bolls, 46% 2000, 71% 5-yr. Summer potatoes 10% fair, 80% good, 10% excellent, 80% harvested, 85% 2000, 78% 5-yr. Apples 2% poor, 29% fair, 57% good, 12% excellent, 61% harvested, 52% 2000, 26% 5-yr avg. Peaches 25% poor, 38% fair, 28% good, 9% excellent. Peaches 35% harvested, 45% 2000, 30% 5-yr avg. Widespread showers throughout the Commonwealth should help lessen the effects of drought conditions. With the current rain, crops are expected to improve, pastures should green up, the and corn crop should recover quickly. Farming activities included: Planting fall tomatoes, picking tomatoes, potatoes, peppers, watermelons, cucumbers, applying fungicides, herbicides, equipment up-keep.

WASHINGTON: Days suitable for field work averaged 6.9. Topsoil was 11% very short, 55% short, and 34% adequate. Subsoil moisture was 19% very short, 55% short, 26% adequate. The highest temperature

state wide was 94 degrees in Hanford. The lowest temperature state wide was 40 degrees at Stampede Pass. Spring wheat and barley harvest progressed slowly, with lower than average yields reported on spring, re-crop grains. Winter wheat, potato harvest continued. Potato blight was found in Skagit county. Top work continued on Grand, Noble, Shasta fir trees. Winter wheat 2% very poor, 13% poor, 41% fair, 44% good; 19% harvested. Spring wheat 4% very poor, 27% poor, 40% fair, 29% good; 6% harvested. Barley 4% very poor, 28% poor, 42% fair, 26% good; 8% harvested. Potato 5% fair and 95% good; 10% harvested. Hay, silage harvest continued across the state. Second cutting was tapering off at 90% completed, with third cutting gearing up at 12% completed. Alfalfa hay second cutting harvest was 90% completed, with third cutting at 12%. Good yields continued to be reported. There were several reports of pasture, range feeds declining due to warm, dry weather. Grasshoppers infested range and pastures in Garfield county. Range, pasture feeds 4% very poor, 50% poor, 32% fair, 14% good. Cherry, peach, apricot, nectarine, early apple variety, general berry harvest continued. Apples, pears were showing color, sizing up well. Organic vegetable, hothouse tomato growers reported excellent sales.

WEST VIRGINIA: Days suitable for fieldwork 4.0. Topsoil 1% very short, 8% short, 68% adequate, 23% surplus. Excessive heat, dry conditions earlier in the week gave way to cooler temperatures, heavy rains by the weekend. Wheat 90% harvested, 80% 2000, 93% 5-yr avg. Hay condition 5% poor, 25% fair, 60% good, 10% excellent. Hay 2nd cut 32%, 46% 2000, 40% 5-yr avg. Corn 25% fair, 65% good, 10% excellent, 70% silked, 66% 2000, 59% 5-yr avg.; 20% doughing, 11% 2000, 10% 5-yr avg. Oats 58% fair, 40% good, 2% excellent, 52% harvested, 59% 2000, 47% 5-yr avg. Soybeans 20% fair, 75% good, 5% excellent; 50% blooming, 52% 2000, 60% 5-yr avg.; 22% podding, 23% 2000, 22% 5-yr avg. Tobacco 5% poor, 45% fair, 45% good, 5% excellent; Tobacco topped 8%, 16% 2000, 16% 5-yr avg. Apple 100% good. Peach 100% good. Cattle 15% fair, 80% good, 5% excellent. Sheep 7% fair, 90% good, 3% excellent. Activities: Hay making, hauling hay bales, clipping pastures, harvesting wheat, oats, vegetables, topping tobacco, attending county fairs

WISCONSIN: Days suitable for fieldwork 5.6. Many farmers are still looking for rainfall, as crops on lighter soils are turning brown, corn, soybeans continue pollination, alfalfa fields struggle with third crop regrowth. Crops remain variable in stand, condition across the state. A Wood County farmer reported corn in stages from several leaves to tasseling. Farmers throughout the state reported slow regrowth of third cutting alfalfa, due to dry conditions. Several locations reported spraying for leafhoppers. Bayfield County reported barley quickly reaching maturity, blackberries being harvested. Potato harvest is on-going in the Central Sands, with quality reported fair to good. Soil moisture was reported 17% very short, 38% short, 44% adequate, 1% surplus.

WYOMING: Days suitable for fieldwork 6.7. Topsoil 45% very short, 34% short, 21% adequate. Subsoil moisture 39% very short, 44% short, 17% adequate. Winter wheat 90% mature, 96% 2000, 96% avg.; 67% harvested, 87% 2000, 62% average. barley 5% very poor, 11% poor, 25% fair, 40% good, 19% excellent, 79% turning color, 78% 2000, 80% avg.; 57% mature, 41% 2000, 35% average, harvested 26%, 8% 2000, 9% average. Spring wheat 1% very poor, 31% poor, 18% fair, 49% good 1% excellent. Spring wheat turning color 50%, 60% 2000, 65% average; mature 15%, 7% 2000, 24% average. Oats 4% very poor, 17% poor, 27% fair, 44% good, 8% excellent. Oats headed 83%, 86% 2000, 90% average; turning color 47%, 45% 2000, 54% average; mature 14%, 9% 2000, 20% average. Sugarbeet 4% very poor, 8% poor, 18% fair, 61% good, 9% excellent. Condition of corn crop 2% very poor, 6% poor, 20% fair, 61% good, 11% excellent. Corn tasseled 80%, 76% 2000, 73% average; silked 20%, 47% 2000, 34% average. Condition of dry beans crop 11% very poor, 7% poor, 12% fair, 63% good, 7% excellent. Dry beans bloom 77%, 66% 2000, 79% average; setting pods 40%, 28% 2000, 32% average. Alfalfa hay harvested 2nd cutting 30%, 21% 2000, 15% average. Other hay harvested 57%, 62% 2000, 59% average. Percent of normal Irrigation water allocations 67%. Range and pasture feed 25% very poor, 25% poor, 22% fair, 25% good, 3% excellent. Large wildfire in Teton County, several small fires in other areas.
