

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.2. Topsoil 28% very short, 40% short, 32% adequate. Corn 100% silked, 99% 1999, 100% 5 yr avg. Corn 85% dough, 82% 1999, 5 yr avg not available, 66% dented, 68% 1999, 82% 5 yr avg.; 50% mature, 39% 1999, 47% 5 yr avg.; 34% very poor, 25% poor, 24% fair, 16% good, 1% excellent. Soybeans 55% blooming, 50% 1999, 61% 5 yr avg.; 31% setting pods, 31% 1999, 36% 5 yr avg.; 7% very poor, 15% poor, 55% fair, 21% good, 2% good. Pasture feed 27% very poor, 32% poor, 23% fair, 16% good, 2% excellent. Livestock 10% very poor, 20% poor, 36% fair, 32% good, 2% excellent. Scattered showers provided long awaited relief to drought stressed fields across the state. Pastures where rains fell have greened up, farmers are hoping to get another cutting of hay before the year ends. Cattle sales are up sharply with many brood cows being sold in some areas.

ALASKA: Days suitable for fieldwork 5.4. Topsoil 35% short, 65% adequate. Subsoil moisture supplies, 40% short, 60% adequate. Conditions continued cloudy, damp, making harvesting hay a challenge. Daytime high temperatures averaged in the mid-sixties, lows averaged in the low fifties. Barley 45% turning color, 21% 1999, 70% avg.; 30% fair, 60% good, 10% excellent. Oats 20% turning color, 14% 1999, 10% avg.; 5% poor, 35% fair, 50% good, 10% excellent. Wind or rain damage to small grains, 90% none, 10% light. Potatoes 80% in bloom, 76% 1999, 90% avg.; 10% poor, 20% fair, 55% good, 15% excellent. Hay 75% 1st cutting harvest, 84% 1999, 80% avg. Average height of 2nd crop hay 12". Second crop hay 20% poor, 40% fair, 40% good. Crop growth, 35% slow, 65% moderate. Major farming activities for the week included: Cutting, harvesting hay, harvesting vegetables, irrigating potato, vegetable fields. Some 2nd crop hay has been cut.

ARIZONA: Area recorded above average temperatures with precipitation throughout the state during the week of August 06. Weather conditions had a minimal impact on crop production due to irrigation. Precipitation has improved range, pasture feeds in some areas, but more precipitation is needed.

ARKANSAS: Days suitable for fieldwork 7.0. Soil moisture 23% very short, 40% short, 36% adequate, 1% surplus. Rice 61% headed, 61% 1999, 57% 5 yr. avg.; 1% very poor, 5% poor, 23% fair, 54% good, 17% excellent. Sorghum 94% headed, 93% 1999, 87% 5 yr. avg.; 66% turning color, 36% 1999, 31% 5 yr avg.; 1% very poor, 6% poor, 31% fair, 55% good, 7% excellent. Cotton 100% setting bolls, 98% 1999, 98% 5 yr avg.; 1% very poor, 9% poor, 36% fair, 46% good, 8% excellent. Soybean 74% bloomed, 76%, 1999, 69% 5 yr avg.; 42% setting pods, 40% 1999, 31% 5 yr avg.; 7% very poor, 16% poor 37% fair, 32% good, 8% excellent. Corn 92% dough; 67% dent; 1% very poor, 1% poor, 13% fair, 56% good, 29% excellent; Alfalfa Hay 4% very poor, 11% poor, 15% fair, 60% good, 10% excellent; Other Hay 2% very poor, 9% poor, 30% fair, 45% good, 14% excellent. Pasture, Range feeds 3% very poor, 10% poor, 32% fair, 44% good, 11% excellent. **CROPS:** Farmers continued irrigating cotton, rice, soybean fields. Fungicides were applied to rice fields for disease control. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, boll weevils. Rice fields were being treated for sheath blight, grasshoppers. Armyworms, thrips were being treated in soybean fields. Some pastures were still being affected by armyworms. Many rice farmers were applying mid-season Nitrogen to their fields. Other

activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Livestock were in good condition. However, heat, humidity were beginning to stress livestock, poultry. Cattle were being treated for horn flies, internal parasites, as well as, pinkeye. 1/Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton growth, development was slowed somewhat by hot weather. The bloom was heavy, cotton plants continued to set bolls. Some bolls were starting to open in a few fields. Cotton fields were irrigated, sprayed to control worms, lygus, aphids. Nearly all barley has been harvested. Dryland grain fields were being worked for fall planting or summer fallowing. Harvest of silage corn continued; good yields were reported. Many fields of corn for grain were nearing maturity. Later corn plantings were in various stages of growth, warmer weather was beneficial. Dry beans were treated with insecticides, primarily for aphids, lygus. Black-eye beans were setting well, harvest was expected to begin soon. Sugarbeet harvesting continued; size, sugar content have been excellent. Alfalfa cutting continued; drying conditions were good. Alfalfa fields were treated for lygus, worms, mites. Alfalfa was cut for green feed. Sudan hay was cut, baled. Herbicides were applied to rice. Rice in some fields was beginning to head. Wild rice harvest was underway. Harvest of sunflower, safflower was beginning. Some sunflower seed fields were treated with defoliants. Growers were conducting summer cultural activities in vineyards, orchards. Weed control, irrigation activities continued. Growers were treating grape vineyards for mildew, leafhoppers. The glassy-winged sharpshooter remains a concern. Picking of grapes for fresh use was active in the San Joaquin Valley. Perlette, Thompson Seedless, Flame Seedless the primary grape varieties moving. Wine grape harvest began in the San Joaquin Valley. Harvesting was active in figs, freestone, clingstone peaches, nectarines, plums. Bartlett pear harvest was active in the Sacramento Delta region. Asian pear picking was active in the San Joaquin Valley. Gala apple picking continued. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orangeworm. Hull splits were occurring in many orchards as growers were preparing for almond harvest. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Insecticide applications continued in Sacramento Valley tomato, melon fields. Harvest of summer vegetables was steady. Tomato harvesting was very active. White powder was applied to protect processing tomatoes from sunburn. Sweet corn harvest was steady. Watermelon harvest was nearing completion. Cantaloupe harvest was slowing in the San Joaquin Valley. Honeydew melons continued to be harvested, with good crop maturity and quality. Carrots continued to be harvested, planted in Kern County. Fall crop spinach, broccoli, cauliflower were progressing normally. Additional vegetables harvested this week included: Broccoli; garlic; radishes; eggplant; mustard greens; green onions; mixed melons; okra; fresh, processing onions; parsley; red bell, sweet, Jalapeno, chili peppers; kabocha, scalloped, yellow crookneck, golden zucchini, zucchini squash; snap peas; spinach; cherry tomatoes. Hot weather stressed non-irrigated pastures at higher elevations. Most irrigated pastures were still in good condition throughout the state. Livestock were stressed by high temperatures. Foggy days in the north coast benefitted pastures, livestock. In the central, northern valleys, heat stress on dairy cows reduced milk production. Higher than normal poultry loss was attributed to the over 100° temperatures. A few cattle held on dry foothill pastures

were fed hay, as dry grass was short. Bees continued to pollinate seed alfalfa, melon, vineseed fields.

COLORADO: Days suitable for fieldwork 6.8. Topsoil 25% very short, 38% short, 37% adequate, 0% surplus. Subsoil moisture 32% very short, 44% short, 24% adequate, 0% surplus. July pattern of hot, mostly dry weather continued into August. Localized, some heavy, thunderstorms provided limited moisture but dryland crops continue to be under moisture stress. Spring barley 94% turning color, 95% 1999, 84% avg.; 37% harvested, 16% 1999, 20% avg.; 2% very poor, 8% poor, 15% fair, 54% good, 21% excellent. Dry onions 19% harvested, 0% 1999, 3% avg.; 6% very poor, 5% poor, 17% fair, 53% good, 19% excellent. Sugar beets 6% very poor, 7% poor, 16% fair, 44% good, 27% excellent. Summer potatoes 10% harvested, 2% 1999, 5% avg.; 1% very poor, 5% poor, 15% fair, 49% good, 30% excellent. Fall potatoes 4% poor, 8% fair, 61% good, 27% excellent. Dry beans 75% flowered, 68% 1999, 75% avg.; 19% very poor, 7% poor, 21% fair, 39% good, 14% excellent. Spring wheat 85% turning color, 73% 1999, 76% avg.; 35% harvested, 25% 1999, 17% avg.; 4% very poor, 14% poor, 29% fair, 42% good, 11% excellent. Alfalfa 80% 2nd cutting, 52% 1999, 64% avg.

DELAWARE: Days suitable for fieldwork 4.9. Topsoil 73% adequate, 27% surplus. Subsoil moisture 3% short, 70% adequate, 27% surplus. Field corn 94% silked, 94% 1999, 88% avg.; 43% dough, 34% in 1999, 33% avg. Sweet corn 49% harvested, 49% 1999, 48% avg. Cucumbers 51% harvested, 45% 1999, 55% avg. Soybeans 53% bloomed, 36% 1999, 44% avg.; 22% setting pods, 25% 1999, 20% avg. Sorghum 2% fair, 55% good, 43% excellent; 40% headed, 32% 1999, 41% avg. Snap beans 60% harvested, 53% 1999, 44% avg. Pasture feed 1% poor, 9% fair, 68% good, 22% excellent. Corn 3% fair, 40% good, 57% excellent. Soybean 2% poor, 11% fair, 68% good, 19% excellent. Potatoes 33% harvested 47% 1999, 53% avg. Apple 3% fair, 84% good, 13% excellent; 12% harvested, 11% 1999, 9% avg. Peaches 3% fair, 84% good, 13% excellent; 45% harvested, 39% 1999, 43% avg. Hay supplies 7% short, 93% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 81% cut, 85% 1999, 94% avg.; 3rd cutting 55% cut 76% 1999, 44% avg.; 4th cutting 10% cut, 18% 1999, 6% avg. Alfalfa 3rd cutting 53% cut, 74% 1999, 49% avg.; 4th cutting 7% cut, 7% 1999, 5% avg. Tomatoes 38% harvested, 29% 1999 33% avg. Continued rains are making conditions difficult to harvest, spraying for fungus diseases in vegetable crops.

FLORIDA: Scattered showers continued daily. Rainfall ranged from about 0.33 in. at Daytona Beach to almost 4.00 in. at Pensacola, Pierson; many stations recorded less than 1.00 in., especially western Panhandle, northern Peninsula. Temperatures at major stations avg within 1° of normal. Daytime highs mostly in 80s, 90s; nighttime lows mostly in 70s, 80s. Moisture short to adequate. Tobacco harvest active. Tobacco markets opened August 1. Sugarcane in good condition. Haying active with light cuttings. Cotton fair to good condition. Peanuts 84% pegged, 58% fair, 42% good. Southern, central Peninsula producers continue land preparation for planting fall vegetables. Palmetto-Ruskin growers started planting round, plum tomato varieties; planting of cherry, grape tomato varieties gaining momentum. Watermelon planting expected to begin within next 2 to 3 weeks, West Central region. East coast growers to start planting vegetables within next 7 to 10 days barring rain delays. Okra harvesting active, Dade County. Palmetto-Ruskin producers picking summer squash. Abundant rain all citrus areas, moisture producing new growth on most trees. Late bloom over, very little late bloom fruit sticking on trees. New crop fruit making good progress. Caretakers cutting cover crops, spraying, fertilizing, herbiciding, pushing out, burning dead trees. Pasture feed 5% poor, 55% fair, 40% good. Condition of cattle 5%, poor, 60% fair, 35% good. Statewide pasture cattle in fair to good condition. Panhandle, north, central counties: pasture poor to good. Panhandle, north: cattle condition fair to good. Central: some armyworm damage, drought continued at some locations, stock ponds low. West central: pasture, cattle condition slightly improved from previous week. Southwest: pastures in good condition.

GEORGIA: Days suitable for field work 4.6. Soil moisture 13% very short, 31% short, 51% adequate, 5% surplus. Corn 72% mature, 71% 1999, 71% avg.; 20% harvested for grain, 18% 1999, 12% avg. Cotton 97% squaring, 99% 1999, 100% avg. Hay 14% very poor, 27% poor, 37% fair, 20% good, 2% excellent. Sorghum 16% very poor, 26% poor,

36% fair, 20% good, 2% excellent. Tobacco 5% very poor, 13% poor, 40% fair, 38% good, 4% excellent; 53% harvested, 59% 1999, 63% avg. Watermelons 96% harvested, 94% 1999, 94% avg. Apples 1% very poor, 4% poor, 43% fair, 43% good, 9% excellent; 8% harvested, 5% 1999, 4% avg. Peaches 97% harvested, 95% 1999, 96% avg. Pecans 9% very poor, 22% poor, 44% fair, 23% good, 2% excellent. Last week brought cooler temperatures, several days of scattered rains. Soil moisture, most crops, pastures improved. More rains are needed for future crop development, to replenish water supplies. Producers were spraying for insects that began to appear in cotton. Boll rot appeared as rains occurred with open bolls. Worms appeared in peanuts. Fungicides, fertilizers were applied to peanuts. Tobacco harvesting progressed. Rains stimulated growth in pastures, hayfields. Cattlemen hope to get more hay cut. Army worms appeared in hayfields. Nitrate levels were tested on hay. Pastures were sprayed, mowed. Other activities included: Spraying fungicides on pecans, planting fall vegetables.

HAWAII: Weather conditions remained fair for agriculture during the week. Tropical storm Daniel passed safely north of the islands. Except for a brief period of clouds, light showers, the passing tropical storm had little effect on local weather. Trade wind weather conditions prevailed for most of the week. Days were mostly sunny in leeward areas, partly cloudy in windward sections. Rainfall was generally light with windward areas receiving occasional moderate showers. Most crops were in good to fair condition. Insect infestations have risen. Close monitoring, regular spraying have limited insect damage. Banana, papaya harvesting is steady. Orchards were in mostly good conditions with a few in fair to poor. Head cabbage plantings continued to make fair progress. Harvesting will be steady.

IDAHO: Days suitable for field work 6.8. Topsoil 32% very short, 37% short, 31% adequate. Range, Pasture feeds are declining across the state due to extreme dry weather, fires started by lightning strikes. Winter wheat, spring wheat, barley, potatoes are reported in mostly good conditions. Irrigation supply 15% excellent, 31% good, 27% fair, 18% poor, 9% very poor. Oats 7% harvested, 11% 1999, 7% avg. Potatoes 97% closing middles, 96% 1999, 95% avg.; vines 2% dying/killed, 1% 1999, 1% avg. Mint 81% harvested, 15% 1999, 38% avg. Peaches 36% harvested, 13% 1999, 18% avg. Dry Peas 32% harvested, 25% 1999, 22% avg. Lentils 10% harvested, 10% 1999, 4% avg. Onions 0% harvested, 2% 1999, 1% avg. Prunes, plums 0% harvested, 3% 1999, 2% avg. Sweet corn 5% for processing, 3% 1999, 3% avg. Alfalfa hay 81% 2nd cutting harvested, 72% 1999, 65% avg.; 27% 3rd cutting harvested, 12% 1999, 6% avg. Spring wheat 91% turning color, 74% 1999, 80% avg. Barley 86% turning color, 70% 1999, 71% avg. Activities: Irrigating, weed control, monitoring, controlling disease, pests, harvesting small grains, peaches, mint, dry peas, lentils, sweet corn for processing, hay.

ILLINOIS: Days suitable for fieldwork 5.1. Topsoil 3% very short, 13% short, 70% adequate, 14% surplus. Oats 99% ripe, 98% 1999, 93% avg.; 97% harvested, 93% 1999, 76% avg. Alfalfa 99% 2nd cut, 97% 1999, 92% avg.; 48% 3rd cut, 35% 1999, 22% avg. Crop conditions across the state continue to look great as another cooler than normal week coupled with above average precipitation occurred statewide last week. Scattered rains fell across most of the state with heavy downpours of 6-8+ inches reported in isolated areas. Corn crop condition ratings improved. Corn, soybean crops continue to advance ahead of normal with very few pest problems. Bean leaf beetle counts are increasing, scouting will be necessary to keep an eye on populations. The upcoming harvest has farmers cleaning out bins, preparing equipment for harvest. New storage facilities are being built - both on farm, commercial. Other activities last week included: Attending county fairs, test plot tours, baling hay, mowing waterways.

INDIANA: Days suitable for fieldwork 4.1. Topsoil 3% very short, 16% short, 70% adequate, 11% surplus. Subsoil 5% very short, 23% short, 67% adequate, 5% surplus. Rainfall across most of the state improved crop conditions. Some areas missed out on much needed rains while excessive rains caused lodging in isolated soybean fields. Cooler than normal temperatures continued around the state. Precipitation averaged .26 to 2.42 inches. Temperatures averaged 5° below normal to 2° above normal. Weeds remain in portions of some soybean fields. Range, pasture 0% very poor, 3% poor, 31% fair, 55% good, 11% excellent.

Alfalfa hay 40% 3rd cutting, 46% 1999. Major activities: Baling hay, straw, scouting fields, spraying, cleaning grain bins, hauling grain to market, mowing roads, pastures, equipment repair, hauling manure, preparing equipment for fall harvest, feeding, caring for livestock.

IOWA: Days suitable for field work 6.3. Topsoil 12% very short, 32% short, 54% adequate, 2% surplus. Subsoil moisture 18% very short, 33% short, 48% adequate, 1% surplus. Mostly dry, cooler than normal across the state. Crops still need moisture to prevent deterioration, boost yields. Northwest part of state is extremely dry, farmers are hauling water for livestock. Both corn, soybean crops continue to progress ahead of previous year, avg. Corn 99% silked, 96% 1999, 91% avg.; milk 73% stage, 66% 1999, 39% avg.; 30% dough stage, 17% 1999, 11% avg. Corn 3% very poor, 7% poor, 19% fair, 47% good, 24% excellent. Soybeans 99% blooming, 97% 1999, 94% avg.; 90% setting pods, 76% 1999, 65% avg.; 1% very poor, 8% poor, 23% fair, 47% good, 21% excellent. Oats 98% harvested, 96% 1999, 83% avg. Range, pasture 4% feed very poor, 12% poor, 31% fair, 52% good, 15% excellent. Alfalfa 94% 2nd cutting, 94% 1999, 87% avg.; 21% 3rd cutting, 11% 1999, 4% avg. Clover hay 78% 2nd cutting, 67% 1999, 57% avg.; 1% very poor, 5% poor, 27% fair, 52% good, 15% excellent.

KANSAS: Days suitable for fieldwork 6.6. Topsoil 18% very short, 34% short, 47% adequate, 1% surplus. Subsoil moisture 17% very short, 33% short, 49% adequate, 1% surplus. Row crop maturity ahead of normal. Sunflower 67% bloom, 59% 1999, 21% ray flowers dry, 5% 1999. Sunflower 12% bracts yellow, 1% 1999, 3% poor, 38% fair, 56% good, 3% excellent. Alfalfa 81% 3rd cutting, 64% 1999, 64% avg. Alfalfa 4th Cutting 11%, 4% 1999, 5% avg. Range, Pasture feed 7% very poor, 20% poor, 32% fair, 36% good, 5% excellent.

KENTUCKY: Days suitable fieldwork 3.5. Topsoil 4% very short, 7% short, 77% adequate, 12% surplus. Subsoil moisture 10% very short, 17% short, 65% adequate, 8% surplus. Showers, thunderstorms off, on all week. Temperatures near normal. Disease, insect problems minimal in most areas. Burley 83% tobacco blooming or beyond, 75% 1999, 55% avg.; 63% topped, 52% 1999, 39% avg. Dark tobacco 76% topped, 88% 1999, 69% avg. Set tobacco 1% very poor, 4% poor, 16% fair, 55% good, 24% excellent. Blue mold levels in tobacco variable, mostly located in eastern state. Mild to moderate black shank reported in tobacco fields statewide. Pastures 2% very poor, 6% poor, 20% fair, 56% good, 16% excellent. Hay crop 2% very poor, 4% poor, 21% fair, 54% adequate, 19% excellent.

LOUISIANA: Days suitable for fieldwork 5.8. Soil moisture 30% very short, 40% short, 30% adequate. Corn 4% very poor, 7% poor, 28% fair, 59% good, 2% excellent; 100% dough stage, 100% 1999, 100% avg.; 89% mature, 92% 1999, 85% avg.; 46% harvested, 21% 1999, 19% avg. In the north corn harvest was getting into full swing. Hay 72% final cutting, 39% 1999, 52% avg. Hay harvest continued. Peaches 100% harvested, 100% 1999, 96% avg. Rice 65% ripe, 65% 1999, 44% avg. Rice harvest continued. Sorghum 60% ripe, 29% 1999, 21% avg. Sugarcane 1% very poor, 13% poor, 40% fair, 35% good, 11% excellent; 1% planted, 4% 1999, 1% avg. Sweet Potatoes 3% harvested, 7% 1999, 4% avg. Sweet potato growers were getting geared up for harvest. Livestock 2% very poor, 10% poor, 38% fair, 42% good, 8% excellent. Vegetables 6% very poor, 33% poor, 41% fair, 20% good.

MARYLAND: Days suitable for fieldwork 2.5. Topsoil 60% adequate, 40% surplus. Subsoil moisture 1% short, 80% adequate, 19% surplus. Cucumbers 60% harvested, 63% 1999, 64% avg. Lima beans 32% harvested, 13% 1999, 10% avg. Snap Beans 55% harvested, 51% 1999, 53% avg. Soybeans 48% bloomed, 56% 1999, 53% avg.; 28% setting pods, 35% 1999, 25% avg. Sorghum 82% good, 18% excellent, 54% headed, 61% 1999, 51% avg. Tobacco 14% poor, 16% fair, 43% good, 27% excellent; 82% bloomed, 69% 1999, 75% avg. Field corn 92% silked, 91% 1999, 83% avg.; 46% dough, 43% 1999, 34% avg.; 10% dent, 14% 1999, 10% avg. Sweet corn 53% harvested, 66% 1999, 56% avg. Potatoes 75% harvested, 74% 1999, 77% avg. Pasture feed 2% very poor, 2% poor, 6% fair, 67% good, 23% excellent. Corn 3% fair, 47% good, 50% excellent. Soybean 1% very poor, 8% poor, 19% fair, 54% good, 18% excellent. Apple 5% very poor, 5% poor, 30% fair, 55% good, 5% excellent; 10% harvested, 5% 1999, 4% avg. Peach 36% fair, 48% good, 16% excellent; 35% harvested, 39% 1999, 38% avg.

Cantaloupe 56% harvested, 56% 1999, 57% avg. Watermelons 25% harvested, 36% 1999, 42% avg. Tomatoes 37% harvested, 48% 1999, 44% avg. All hay supplies 1% very short, 2% short, 80% adequate, 17% surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 80% cut, 83% 1999, 77% avg.; 3rd cutting 25% cut, 37% 1999, 27% avg. 3rd cutting 57% cut, 63% 1999, 52% avg 4th cutting 12% cut, 10% 1999, 6% avg. Blue Mold continues to spread in tobacco. Vegetable, fruit diseases are prevalent. Continued rain is beginning to stress corn, soybeans. Rain has kept farmers out of the fields.

MICHIGAN: Days suitable for fieldwork 4.0. Topsoil 3% very short, 10% short, 63% adequate, 24% surplus. Subsoil 2% very short, 19% short, 72% adequate, 7% surplus. All hay 9% poor, 27% fair, 50% good, 14% excellent. Drybeans 3% very poor, 15% poor, 33% fair, 41% good, 8% excellent, 58% 2nd cutting, 79% 1999, 79% avg. Drybeans 65% blooming, 89% 1999, 74% avg.; 39% setting pods, 52% 1999, 41% avg. Oats 95% turning yellow, 99% 1999, 91% avg. Corn 20% milk, 53% 1999, 27% avg. Scattered precipitation seen across much of State Monday, Tuesday, Saturday, Sunday. Day time temperatures have been normal for week, but nights have been cool. Frost Northern Lower, Upper Peninsula on July 19/20 has killed or set back part of corn crop those areas. Heavy army worm infestations being seen Northern Lower, Upper Peninsula, with Menominee County being hit particularly hard. Growing degree days (GDD) remains below average for much of State, exceptions being Upper Peninsula, northeastern Lower Peninsula, western Lower Peninsula which slightly above average. Precipitation remains below average for Upper Peninsula, northern Lower Peninsula, above average for rest of the State. District precipitation totals for week ranged from 1.75 inches southeastern Lower Peninsula to 0.16 inches northwestern Lower Peninsula. Rain along with warmer temperatures over past week increased crop growth. Recent weather has left corn behind normal development. Most corn looks good at this point. Some concerns of leaf rust, fields showing European corn borer pressure. Soybean growth speeding up. Japanese beetle populations building, some cases causing significant damage. Very little of 2nd cutting of alfalfa harvested due to wet conditions. Sugarbeets continued to look very good with spraying for leaf spot continuing. Oats generally looked very good as harvest continued. Cabbage harvest continued with high quality due to cooler temperatures. Cantaloupe harvest continued Southwest. Carrot harvest continued southern areas. Celery harvest continued. Cucumbers developing slowly but quality looked good. Harvest continued to expand. Eggplant harvest continued. Onions continued to progress. Potato harvest continued as tubers more mature than when harvest first began, late blight had shown up some fields. Sweet corn harvest increasing but maturity slow due to cool conditions. Peppers developing well but maturing slowly. Harvest began most areas. Pea harvest completed. Pumpkins continued to flower. Summer squash, zucchini, snap bean harvests continued. Tomatoes for fresh market were being harvested on a limited basis, has slowed due to weather conditions. Processing tomatoes developing slowly. Apples ranged from 2.0 to 2.25 inches diameter. Harvest of early varieties continued. Recent wet, warm weather Southwest, West Central areas caused early peach varieties to ripen quickly, lowered quality. Bluecrop blueberry harvest peaked, Jersey, Rubel harvests continued. Fruit size, quality very good. Pears diameter. Summer raspberry harvest continued. Concord grape vines had green fruit.

MINNESOTA: Days suitable for fieldwork 6.6. Topsoil 7% very short, 26% short, 66% adequate, 1% surplus. Spring Wheat 97% turning ripe, 85% 1999, 78% avg. Oats 97% turning ripe, 94% 1999, 93% avg. Barley 96% turning ripe, 86% 1999, 79% avg. Corn 55% milking, 48% 1999, 37% avg. Rye 76% harvested, 62% 1999, 62% avg. Sweet corn 16% harvested, 13% 1999, 12% avg. Winter Wheat 48% harvested, 48% 1999, 46% avg. Canola 1% harvested, 0% 1999, NA% avg. Pasture feed 2% very poor, 9% poor, 29% fair, 50% good, 10% excellent. Dry beans 3% very poor, 9% poor, 33% fair, 40% good, 15% excellent. Potatoes 3% very poor, 6% poor, 28% fair, 42% good, 21% excellent. Sunflowers 0% very poor, 6% poor, 27% fair, 55% good, 12% excellent. Canola 0% very poor, 1% poor, 17% fair, 50% good, 32% excellent. Sugarbeets 1% very poor, 4% poor, 10% fair, 57% good, 28% excellent. Dry weather across the state has helped small grains to dry, harvest is in full swing. Generally small grains have done well with the dry, warm weather, however, row crops are starting to show signs of stress from limited moisture in sandy soil. The majority of rainfall for the week was in the extreme north, extreme south portions of the state.

MISSISSIPPI: Days suitable for fieldwork 5.5. Soil moisture 33% very short, 37% short, 27% adequate, 3% surplus. Corn 51% mature, 50% 1999, 36% avg.; 9% harvested, 4% 1999 5% avg.; 45% silage harvested, 49% 1999, 49% avg.; 5% very poor, 11% poor, 27% fair, 47% good, 10% excellent. Cotton 1% very poor 12% poor, 32% fair, 46% good, 9% excellent. Rice 3% poor, 17% fair, 61% good, 19% excellent. Sorghum 12% mature, 14% 1999, 10% avg.; 2% very poor, 6% poor, 36% fair, 51% good, 5% excellent. Soybeans 12% turning color, 13% 1999, 6% avg.; 8% very poor, 21% poor, 30% fair, 33% good, 8% excellent. Sweetpotatoes 5% harvested, 4% 1999, 1% avg.; 25% poor, 30% fair, 37% good, 8% excellent. Watermelons 80% harvested, 81% 1999, 82% avg.; 3% very poor, 18% poor, 23% fair, 43% good, 13% excellent. Hay (warm-season) 66% harvested, 74% 1999, 73% avg. Cattle 5% very poor, 8% poor, 34% fair, 43% good, 10% excellent. Pasture 23% very poor, 30% poor, 27% fair, 17% good, 3% excellent. Hot, dry temperatures still prevail throughout some parts of the state.

MISSOURI: Days suitable for fieldwork 6.1. Topsoil 6% very short, 28% short, 65% adequate, 1% surplus. The weekly precipitation averaged 0.26 inch, ranging from none in the southwest district to 0.47 inch in the north-central district. Row crops are holding in mostly good condition, continuing to develop ahead of normal. Corn denting is the earliest for this date since 1991, ranging from 30% in the northeast district to 73% in the southeast. Soybean pod-setting ranges 37% in the southwest district to around 70% in the northwest, north-central, east-central, southeast districts. Sorghum heading varies from 62% east-central to 93% southeast. Alfalfa 50% 3rd crop is cut, 42% 1999, 34% avg. Pasture feeds 4% very poor, 12% poor, 39% fair, 39% good, 6% excellent.

MONTANA: Days suitable for fieldwork 6.6. Topsoil 48% very short, 43% short, 9% adequate, 0% surplus. Subsoil moisture 47% very short, 44% short, 9% adequate, 0% surplus. Barley 87% turning, 58% ripe. Spring Wheat 88% turning, 37% ripe. Oats 88% turning, 57% 1999, 58% avg.; 47% ripe, 17% 1999, 14% avg.; 16% harvested, 4% 1999, 3% avg.; 8% very poor, 19% poor, 31% fair, 33% good, 9% excellent. Corn 0% very poor, 2% poor, 40% fair, 47% good, 11% excellent. Dry beans 0% very poor, 4% poor, 41% fair, 48% good, 7% excellent. Potatoes 0% very poor, 0% poor, 29% fair, 43% good, 28% excellent. Sugar beets 1% very poor, 11% poor, 33% fair, 32% good, 23% excellent. Alfalfa hay 41% 2nd cutting, 20% 1999, 14% avg. Other hay 83% 1st cutting, 85% 1999, 78% avg. This week, conditions have been hot, dry, dusty leading to a large increase in harvest activity. In the Central region grain crops are being salvaged for hay. Northeastern state had three quarters of an inch of moisture along with high winds, hail that further damaged some crops with lodging. Many fields are showing high levels of root rot disease, also above normal incidence of wheat stem sawfly maggot. The Northwest region reports very smokey conditions due to fires in the area. Ranchers are moving livestock from the fire zones. Pasture, range feed for this fall may be limited due to very dry conditions. Hay supplies are in high demand in the driest areas with many ranchers purchasing hay. Most all stations are reporting temperatures in the high 90's to low 100's.

NEBRASKA: Days suitable for fieldwork 6.8. Topsoil, subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 2 to 3° above normals in the Panhandle, while the remainder of the State near normals. Light precipitation occurred across state, ranging from traces to over 2.0 inches. Corn 12% very poor, 13% poor, 24% fair, 38% good, 13% excellent; 95% silked, 97% 1999, 89% avg.; 39% in dough, 28% 1999, 19% avg.; 10% dented, none 1999, 1% avg. Soybeans 14% very poor, 17% poor, 30% fair, 31% good, 8% excellent; 95% bloomed, 93% 1999, 89% avg.; 69% setting pods, 45% 1999, 43% avg. Sorghum 9% very poor, 22% poor, 43% fair, 24% good, 2% excellent; 72% headed, 45% 1999, 40% avg.; 10% coloring, none 1999 or avg. Oats 90% harvested for grain, 90% 1999, 89% avg. Alfalfa 3rd cutting 33% harvested, 14% 1999, 10% avg.; 22% very poor, 21% poor, 25% fair, 28% good, 4% excellent. Wild hay 22% very poor, 34% poor, 29% fair, 12% good, 3% excellent. Pasture, range 32% very poor, 37% poor, 24% fair, 7% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Moving grain to market, irrigating, harvesting native hay, livestock care.

NEVADA: High temperatures early in the week moderated somewhat with the arrival of thunderstorms midweek. Rain fell statewide with

precipitation totals greatest in the west. Lightning strikes ignited several new fires. Nearly one half million acres have burned in state so far this fire season. Irrigation water supplies becoming short in some areas, irrigation needs heightened by high temperatures. Crop condition ratings remain generally good. Some windrowed hay damaged by rains. Second cutting of alfalfa hay nearly finished, third cutting progressing. Alfalfa seed harvest continued. Timothy, grass hay harvesting well along. Winter wheat, barley harvests gaining momentum. Oats for grain harvest underway, some oats cut for hay. Virtually all small grains have turned color. Corn tasseled, maturing. Garlic harvest underway. Potatoes growing well. Some livestock movement necessary due to dry range conditions. Cattle marketing remains active. Main farm, ranch activities: Alfalfa, other hay harvests, grain harvest, irrigation, pest, weed control, livestock marketing.

NEW ENGLAND: Days suitable for fieldwork: 5.0. Topsoil 1% very short, 5% short, 80% adequate, 14% surplus. Subsoil moisture 7% short, 83% adequate, 10% surplus. Pasture feed 2% very poor, 4% poor, 22% fair, 51% good, 21% excellent. Maine potatoes condition good. Rhode Island potatoes: 10% harvested; 20% 1999; 10% avg.; condition good to excellent. Massachusetts potatoes 5% harvested, 20% 1999, 15% avg.; condition good to fair. Oats in Maine condition good to excellent. Barley in Maine condition good to excellent. Silage corn condition good to fair. Sweet corn 95% emerged, 100% 1999, 100% avg.; 20% harvested; 40% 1999, 30% avg.; condition good to fair. Shade tobacco 10% harvested, 55% 1999, 50% avg.; condition fair to good. Broadleaf tobacco condition fair to good. First crop hay 95% harvested, 95% 1999, 95% avg.; condition good to fair. Second crop hay 45% harvested, 55% 1999, 50% avg.; condition good. Third crop hay 5% harvested, 5% 1999, 5% avg.; condition good to fair. Apples fruit size avg to below avg.; condition good to fair. Peaches 10% harvested, 45% 1999, 20% avg, fruit size avg, condition good to fair. Pears fruit size avg, condition fair to good. Cranberries: condition good. Highbush blueberries 30% harvested, 65% 1999, 50% avg.; fruit size avg to above avg, condition good to excellent. Wild Blueberries in Maine fruit size avg to above avg, condition good to excellent. Rainy weather continues to delay field activity. Major farm activities included: Haying second cut hay, harvesting shade, broadleaf tobacco, early apples, pears, mid-season peaches, broccoli, sweet corn, small vegetables, blueberries, applying fungicides, insecticides.

NEW JERSEY: Days suitable for field work 4.5. Topsoil 69% adequate, 31% surplus. Corn 91% silked, 28% good, 72% excellent. Soybeans 92% blooming, 100% excellent. Progress of cutting, baling hay was slowed by continued rainfall, wet field conditions. Overall condition of tomatoes, peppers remains good, however, water damage has been reported in some fields. Wet field conditions have also slowed potato harvest in some areas. Apples, peaches are rated as mostly good. Peach harvest is about 50% completed. Planting of fall cabbage, spinach, lettuce is nearing completion in some localities.

NEW MEXICO: days suitable for field work 6.7. Topsoil 28% very short, 46% short, 26% adequate. Hit, miss thunderstorms provided some measurable precipitation at about two-thirds of the reporting locations. Temperatures were a little above normal at most locations, the statewide average was between 2 and 3° above normal. Farmers stayed busy last week irrigating, harvesting, plowing up wheat ground. Total sorghum 55% very poor, 26% poor, 31% fair, 37% good, 1% excellent with 27% headed; 43% 1999, 19% 5-year, 3% coloring; 1% 1999, 1% 5-year. Onions remained in fair to excellent condition, with 9% of the crop left to harvest. Corn was in fair to excellent condition, with 84% in the dough stage, 15% dented. The alfalfa condition again declined slightly over the week with the third cutting 94% complete, the fourth cutting 56% complete. The cotton crop also slightly declined from last week, reported in poor to excellent condition, with bolls opening at 2%. Chile was in mostly fair to good condition with pod setting 5% light, 86% average, 9% heavy. Ranchers in various parts of the state were still waiting for rain, stayed busy mending fences, water lines. Cattle, sheep conditions declined slightly from last week. The pasture, range feed conditions declined along with the frequency of rain fall; 9% very poor, 42% poor, 39% fair, and 10% good.

NEW YORK: Days suitable: 3.7. Soil moisture 50% adequate, 50% surplus. Pasture feed 17% fair, 67% good, 16% excellent. Hay 33% fair, 56% good, 11% excellent. Farmers fighting wet conditions to get hay cut.

Some damage from leafhoppers. Alfalfa 64% 2nd cut, 88% 1999, 79% avg. Second cut clo-tim 41% harvested, 70% 1999, 45% avg. Wheat 83% harvested, 99% 1999, 86% avg. Wheat yields are good but sprouting is evident. Oats 31% harvested, 68% 1999, 47% avg. Corn 59% fair, 41% good. Most corn tasseling, although stands are variable. Sweet corn was off to a good start in most areas, onion harvest began in a few counties. Grape growers in Finger Lakes region reported grapes in excellent condition. Apples were in good condition, showing good sizing.

NORTH CAROLINA: Days suitable for field work to 3.9. Soil moisture improved to its' current rating of 2% very short, 8% short, 57% adequate, 33% surplus contributing to the improvement of pasture conditions. The first week of August was highlighted with the return of typical humid conditions, widespread rainfall. Scattered areas across the State received more than two inches of precipitation.. The State's tobacco harvest progressed between showers and is still ahead of last year but behind the 5 year average. Other activities for the week included: Vegetable, peach harvest, cutting hay. Pest management activities have increased as operators fight pests which intensified during this time of increased moisture.

NORTH DAKOTA: Days suitable for fieldwork was 6. Topsoil 4% very short, 21% short, 71% adequate, 4% surplus. Subsoil moisture 6% very short, 19% short, 71% adequate, 4% surplus. Crop development Small grain harvest was ahead of 1999, the five-year average. for durum wheat 90% milk, 65% 1999, 72% avg.; 48% turning, 21% 1999, 31% avg.; 2% combined, 1% 1999, 2% avg. Canola 89% turning, 58% 1999; 34% swathed, 21% 1999; 2% combined, 2% 1999. Dry bean development 80% podding, 62% 1999, 77% avg.; 12% fully podded, 13% 1999, 24% avg.; 5% lower leaves yellowing, 1% 1999, 4% avg. Flaxseed 58% turning, 22% 1999, 27% avg.; 1% combined, 0% 1999, 0% avg. Potatoes 85% rows filled, 95% 1999, 93% avg.; 1% vines killed, 1% 1999, 1% avg. Durum wheat 2% very poor, 12% poor, 31% fair, 48% good, 7% excellent. Canola 4% very poor, 7% poor, 23% fair, 54% good, 12% excellent. Dry beans 10% very poor, 12% poor, 25% fair, 44% good, 9% excellent. Flaxseed 2% very poor, 6% poor, 22% fair, 56% good, 14% excellent. Potatoes 7% very poor, 10% poor, 29% fair, 38% good, 16% excellent. Pasture, range 3% very poor, 7% poor, 29% fair, 54% good, 7% excellent. Stockwater supplies were rated 2% very short, 6% short, 87% adequate, 5% surplus. Hay 86% of normal. Alfalfa 2nd cutting was 73% complete, while all other hay was 80% complete.

OHIO: Days suitable for fieldwork, 4.1 days. Topsoil 1% very short, 13% short, 74% adequate, 12% surplus. Summer apples 64% harvested; 64% 1999. Alfalfa hay second cutting 93%; 97% 1999; 88% average. Alfalfa hay third cutting 24%; 41% 1999; 18% average. Corn 95% silked; 99% 1999; 80% average. Corn 35% in dough, 59% 1999; 22% average. Corn 4% dented; 9% 1999; 2% average. Cucumbers 45% harvested; 45% 1999. Oats 98% ripe; 100% 1999. Oats harvested 64%; 93% 1999; 69% average. Other hay second cutting 71%; 79% 1999; 67% average. Other hay third cutting 8%; 17% 1999; 8% average. Peaches harvested 49%; 50% 1999. Potatoes harvested 16%; 20% 1999; 11% average. Soybeans blooming 91%; 99% 1999; 87% average. Soybeans setting pods 59%; 82% 1999; 50% average. Tobacco topped 40%; 27% 1999. Tobacco harvested 6%; 0% 1999. Corn 2% very poor, 6% poor, 17% fair, 47% good, 28% excellent. Hay 0% very poor, 5% poor, 25% fair, 54% good, 16% excellent. Pasture 1% very poor, 5% poor, 27% fair, 55% good, 12% excellent. Soybeans 4% very poor, 9% poor, 25% fair, 46% good, 16% excellent. Activities for the week included: Baling hay, straw; harvesting wheat, oats; detasseling corn; mowing wheat stubble; spraying weeds; spreading lime; waterway construction, preparation; mowing weeds, pastures; hauling grain, manure; repairing buildings, equipment; attending, preparing for county, state fairs; marketing grain; worming cattle; picking fresh market vegetables. Reported weed pressures included: Canadian thistle, giant ragweed, foxtail, yellow sweet clover, smartweed, milkweed, barnyard grass, broadleaf, johnson grass, lambsquarter, pigweed in melons, pumpkins, hemp dogbane, pokeweed, pond weeds, ironweed. Reported insects were rootworms, Japanese beetles, leaf hoppers in alfalfa, aphids in alfalfa, corn borers, army worms, slugs and maggots, squash vine borers, black cutworms, fleas. Reported diseases included phytophthora in soybeans, rust in corn, powdery mildew on pumpkins, fusarium wilt in tomatoes, cantaloupes, head scab on corn, blight in fruit, vegetables, fungus, mold. Scattered rain showers throughout the state last week had assorted consequences for crop

producers. Heavy rain, hail in the Northwest, North Central districts slowed field activities, damaged crops. However, rain in the West Central district replenished crops, kept the ground moist. Livestock were reported in good to excellent condition. Relatively low temperatures and low humidity last week kept livestock under minimal stress. Face flies and mud presented minor problems in some areas

OKLAHOMA: Days suitable for fieldwork 6.4. Subsoil moisture 7% very short, 25% short, 66% adequate, 2% surplus. Topsoil moisture 8% very short, 40% short, 50% adequate, 2% surplus. Wheat 94% plowed, 90% last week, 88% 1999, 89% avg.; 27% seedbed prepared, 18% last week, 10% 1999, 14% avg.; Oats 93% plowed, 85% last week, 91% 1999, 89% avg.; 26% seedbed prepared, 18% last week, 2% 1999, 8% avg. Corn 1% poor, 11% fair, 81% good, 7% excellent, 97% silking, 89% last week, 100% 1999, 98% avg.; 70% dough, 33% last week, 49% 1999, 76% avg.; 19% mature, 15% last week, 6% 1999, 8% avg. Soybeans 2% very poor, 8% poor, 21% fair, 62% good, 7% excellent, 73% blooming, 57% last week, 56% 1999, 73% avg.; 50% setting pods, 36% last week, 30% 1999, 43% avg. Peanuts 84% setting pods, 61% last week, 64% 1999, 71% avg. Cotton 98% squaring, 92% last week, 87% 1999, 96% avg. Alfalfa Hay 1% very poor, 6% poor, 24% fair, 61% good, 8% excellent, 77% third cutting, 65% last week, 82% 1999, 73% avg.; 25% fourth cutting, n/a last week, 14% 1999, 10% avg. Other Hay 1% very poor, 4% poor, 28% fair, 57% good, 10% excellent, 48% second cutting, 43% last week, 37% 1999, 35% avg. Watermelons 75% harvested, 60% last week, 50% 1999, 52% avg. Livestock 1% poor, 16% fair, 70% good, 13% excellent; Cattle marketings average. Feeder steer, heifer prices \$1 to \$3 per cwt. lower than last week.

OREGON: Days suitable for fieldwork 7. Topsoil 24% very short, 39% short, 37% adequate. Subsoil 16% very short, 37% short, 47% adequate. Barley harvested 34%, 32% 1999, 36% average.; 4% poor, 32% fair, 38% good, 26% excellent. Winter wheat harvested 56%, 57% 1999, 55% average.; 27% fair, 52% good, 21% excellent. Range, pasture 7% very poor, 16% poor, 45% fair, 25% good, 7% excellent. Activities: Small grain crops in mostly good condition state wide, harvest in full swing. Grass hay, alfalfa hay still being made but winding down in most areas. In mid-Columbia basin wheat yields average or slightly better. In Malheur County seed crops drying down. In Willamette Valley grass seed harvest continued with tall fescue, fine fescue nearly finished. Perennial ryegrass harvested continued, bentgrass harvest starting. Field corn tasseling in early plantings. Nurseries planting new acreage with shrubs, while greenhouses planning, preparing for fall plants. Hot weather still requiring irrigation at nurseries. Iris being harvested in Willamette valley. In eastern areas of state, Malheur County reported Shepody potato harvesting had started, some onions maturing. Potatoes turning in Klamath County. In Willamette Valley, salad vegetables continued to be in good supply, sweet corn harvest beginning with some at local stands; green bean harvest in full swing. Greenhouses starting to sell starts for fall planting. Truck gardens busy selling new potatoes, beans, eggplant, tomatoes, peppers, summer squash. In Willamette Valley, raspberry, Marion blackberry harvests completed. Blueberry picking continued. Evergreen blackberries ripening, picking began in earliest fields. Hazelnuts continued to harden. In southern Oregon, peach harvest started, as did picking of earliest summer red pears. Apples, other pear varieties continued developing nicely. Grapes also looked good. Red summer pears also harvested in Hood River Valley. In Coos, Curry counties, cranberries continued to develop size, color. Growers scouting for cranberry girdler evidence. Livestock condition remains mostly good to excellent. Eastern State range, pastures are extremely hot, dry many range fires have been reported. Some cattle are being moved prematurely off range because of dry conditions, cattle getting into streams. Western State pastures are also very dry, some supplemental feeding has been reported.

PENNSYLVANIA: Days suitable for field work 3.0. Soil moisture 7% short, 58% adequate, 35% surplus. Corn silk 79% complete, 83% 1999, 77% avg. Corn dough 35% complete, 33% 1999, 23% avg. Corn crop 1% very poor, 3% poor, 17% fair, 48% good, 31% excellent. Soybean crop 4% poor, 17% fair, 57% good, 22% excellent. Oat crop 3% poor, 27% fair, 55% good, 15% excellent. Potatoes harvested 8% complete, 12% 1999, 6% avg. Wheat harvested 97% complete, 99% 1999, 95% avg. Apples harvested 17% complete, 13% 1999, 9% avg. Apple crop 2% very poor, 3% poor, 18% fair, 70% good, 7% excellent. Peaches harvested 41% complete, 38% 1999, 29% avg. Peach 2% very poor, 4%

poor, 11% fair, 79% good, 4% excellent. Alfalfa second cutting 81% complete, 89% 1999, 79% avg. Alfalfa third cutting 25% complete, 49% 1999, 29% avg. Timothy clover second cutting 32% complete, 34% 1999, 36% avg. Quality of hay made 10% very poor, 32% poor, 34% fair, 17% good, 7% excellent. Activities include harvesting small grains, apples, peaches and vegetables; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling, spreading manure; caring for livestock; baling straw; making hay, haylage; trimming brush, spraying crops.

SOUTH CAROLINA: Days suitable for field work 5.6. Soil moisture 3% very short, 31% short, 63% adequate, and 3% surplus. Apples 93% fair, 7% good. Cantaloups 98% harvested, 98% 1999, 96% avg. Corn 95% doughed, 95% 1999, 96% avg; 62% matured, 49% 1999, 62% avg; 16% harvested, 11% 1999, 11% avg; 22% very poor, 29% poor, 30% fair, 19% good. Cotton 99% squared, 99% 1999, 99% avg; 70% bolls set, 71% 1999, 80% avg; 2% bolls opened, 3% 1999, 2% avg; 2% very poor, 11% poor, 39% fair, 46% good, and 2% excellent. Hay 83% harvested, NA 1999, NA avg. Livestock 6% poor, 33% fair, 49% good, 12% excellent. Peaches 75% harvested, 79% 1999, 81% avg; 17% fair, 47% good, 36% excellent. Peanuts 90% pegged, 88% 1999, 72% avg; 2% very poor, 5% poor, 46% fair, 39% good, 8% excellent. Snap beans 100% harvested, 100% 1999, 93% avg. Sorghum 75% headed, 78% 1999, 73% avg; 50% turned color, 49% 1999, 51% avg; 11% matured, 11% 1999, 9% avg; 28% very poor, 19% poor, 40% fair, and 13% good. Soybeans 54% bloomed, 49% 1999, 53% avg; 32% pods set, 18% 1999, 23% avg; 5% very poor, 13% poor, 36% fair, 42% good, and 4% excellent. Sweetpotatoes 44% fair, 56% good. Tobacco 48% harvested, 41% 1999, 48% avg; 7% stalks destroyed, 8% 1999, 8% avg; 6% poor, 27% fair, 62% good, and 5% excellent. Tomatoes 97% harvested, 100% 1999, 99% avg. Watermelons 99% harvested, 96% 1999, 96% avg.

SOUTH DAKOTA: Days suitable for field work 5.9. Topsoil 20% very short, 30% short, 48%adequate, 2% surplus. Subsoil moisture 21% very short, 29% short, 45% adequate, 5% surplus. Feed supplies 1% very short, 13% short, 77% adequate, 9% surplus. Stock water supplies 11% very short, 22% short, 60% adequate, 7% surplus. Winter Rye 11% fair, 57% good, 32% excellent. Winter Rye harvested 75%, 75% 1999, 65% avg. Spring Wheat ripe 95%, 84% 1999, 68% avg. Barley ripe 97%, 82% 1999, 72% avg. Oats ripe 98%, 86% 1999, 76% avg. Corn tassled 96%, 91% 1999, 87% avg. Sunflower 5% poor, 32% fair, 44% good, 19% excellent. Sunflower blooming 58%, 42% 1999, 41% avg. Sunflower flowers dry 7%, 6% 1999, 7% avg. Sunflower bracts yellow 4%, 4% 1999, 4% avg. Alfalfa hay 8% very poor, 17% poor, 31% fair, 37%good, 7% excellent. Alfalfa hay 2nd cutting harvested 84%, 71% 1999, 69% avg. Alfalfa hay 3rd cutting harvested 24%, 14% 1999, NA% avg. Other hay harvested 84%, 79% 1999, 78% avg. Cattle condition 1% poor, 8% fair, 66% good, 25% excellent. Sheep condition 7% fair, 65% good, 28% excellent. Dry weather aided in small grain harvest last week as spring wheat harvested increased to 72 percent harvest, 50 percentage points ahead of last week. Livestock continue to do well with 91 percent of cattle in good to excellent condition and 93 percent of sheep in good to excellent condition. Soil moisture levels continue to decline with 50 percent of the state reporting short or very short topsoil and subsoil moisture conditions.

TENNESSEE: Days suitable for fieldwork 5. Topsoil 6% very short, 20% short, 64% adequate, 10% surplus. Subsoil moisture 10% very short, 32% short, 53% adequate, 5% surplus. Pastures 7% very poor, 17% poor, 35% fair, 36% good, 5% excellent. Tobacco 64% topped, 66% 1999, 53% avg; 4% very poor, 11% poor, 27% fair, 48% good, 10% excellent. Burley 10% harvested, 10% 1999, 5% avg. Dark air-cured 6% harvested, 8% 1999, 4% avg. Dark fire-cured 9% harvested, 10% 1999, 5% avg. Corn silage 17% harvested, 20% 1999, 10% avg. Cattle 1% very poor, 7% poor, 22% fair, 58% good, 12% excellent. Scattered showers and thunderstorms pushed through the Volunteer State last week bringing much needed rainfall to many locations. Double crop soybeans, late corn, and late tobacco in these areas all benefitted from the moisture. Unfortunately, some locations received little to no rain from these storms. Tobacco growers have begun harvesting their early crop. A few Middle Tennessee counties reported isolated damage to tobacco fields Thursday night due to strong thunderstorms in that area. Diseases such as Black Shank and Blue Mold continue to be reported, but damage has been fairly light thus far. The State's cattle herd is currently rated in good-to-fair condition although a few farmers have been forced to feed

hay and haul water to their animals. Other agricultural activities taking place last week included clipping pastures, topping tobacco, and scouting grain sorghum for insects.

TEXAS: Only widely scattered showers fell across portions of Southern Texas. Elsewhere extremely hot temperatures and high wind continued to deplete soil moisture and caused delays in land preparation for fall planting. Dryland crops continued to stress in dryer areas and yields could be affected. In some areas dryland crops were being zeroed out or abandoned as a result of dry conditions. Livestock, body condition continued to decline and supplemental feeding increased along with hauling water in some locations. Pastures remained mostly dormant and haying operations declined as the dry conditions continued. Crops under irrigation continued to make fair to good progress. Damage from grasshoppers, web worms, cabbage loopers and beet armyworms continued to escalated in a few locations. Many municipalities remained under water rationing and in some locations water was being hauled for home use. Field Crops: Small Grains: Land preparation for fall planting continued but slowed as dry conditions prevailed. Fall planting will be delayed if moisture is not received soon. Corn: Irrigated corn continued to make good progress across the Plains. Harvest continued in Southern and Central areas and was moving northward at a fast pace. Yields have been variable in all locations with dry land being the most varied. Corn Borer populations remained active across the Plains. State wide corn condition was rated at 78% normal compared with 88 percent last year. Corn Mature, Published 53%, 1999, 51%, Average 49%. Harvested 37%, 1999, 25%, Average 27%. Cotton: Cotton progressed rapidly in most locations as a result of the continued dry conditions. Cut out stages were reached in several locations and some marginal fields were abandoned as the cost to fight insect populations made profit unattainable. In the Plains most fields remained at peak bloom and fruiting well. Harvest activities continued to move northward as conditions for harvest were reached. State wide cotton condition was rated at 68% normal compared with 68% last year. Cotton Harvested, Published, 6%, 1999, 2%, Average 4%. Rice: Harvest continued to expand on early planted fields in South Central and Upper Coastal areas. Rice heading was completed in most areas and drying down in preparation for harvest began for some other growers. State wide rice condition was rated at 93 percent of normal compared with 94 percent last year. Sorghum: Sorghum that was planted behind wheat continued to head, but was suffering from lack of moisture in some locations where irrigation was not available. Harvesting continued in the Blacklands and central areas under extremely dry conditions. State wide sorghum condition was rated at 68 percent compared with 81percent last year. Sorghum Harvested, Published 42%, 1999, 43%, Average 41%.Peanuts: On the Plains normal progress occurred however, insect populations and plant disease continued to rise and damage was occurring in some locations. Irrigated peanuts continued to make excellent progress while dry-land peanuts were suffering from dry conditions. State wide peanut condition was rated at 78% compared with 81% last year. Soybeans: Irrigated soybeans continued to make good progress across the Plains, however dryland soybeans continued to suffer. Harvest continued to expand in South Central and Coastal areas of the state. Commercial Vegetables, Fruit and Pecans: Rio Grande Valley, preparation for fall planting continued but was interrupted in a few locations as a result of scattered showers. Watermelon harvest continued but was nearing completion in some areas. San Antonio-Winter Garden, harvesting cucumbers, squash, and peppers continued. Some planting for fall vegetables also continued but on a limited basis and only where irrigation was available. East Texas, harvest was mostly completed for blueberries and watermelons. Sweet potatoes continued to make good progress in some areas where as in other areas the crop was almost a disaster. Plant diseases decreased with heat levels, but insect levels and dry conditions continued to stress the remaining vegetable crops. High Plains, vegetable progression remained constant. Producers continued to plant peas and watermelons. Onion harvest was mostly completed and carrot harvest continued. Green bean harvest began in some locations. Pecans: Pecans continued to make good to fair progress across the state. Some nut drop continued in the dryer areas and especially where irrigation was marginal or not possible. Range and Livestock: Conditions for range and livestock continued to decrease as the drought continued across the state. In many locations the pastures have become dormant and supplemental feeding was expanded to compensate for the loss. In some areas most if not all livestock has been sold as neither forage nor water was available. With the dry conditions continuing other producers were concerned that some recovery may not occur this fall and hay supplies could be short. Insect pressure continued to add further injury to

many pastures and control measures were too costly for many livestock owners.

UTAH: Days suitable for field work 7. Topsoil 34% very short, 39% short, 27% adequate. Subsoil moisture 34% very short, 36% short, 30% adequate. Pasture and range condition 13% very poor, 39% poor, 33% fair, 15% good. Alfalfa hay: second cutting 89%, 78% 1999, 76% avg; third cutting 17%, 49% avg. Other hay cut 91%, 83% 1999, 78% avg. Corn height 73 inches, 69 inches 1999, 64 inches avg. Corn tasseled (silked) 58%, 56% 1999, 44% avg. Corn in dough stage 4%. Winter wheat harvested 70%, 52% 1999, 49% avg. Winter wheat condition 29% poor, 43% fair, 28% good. Spring wheat harvested 42%, 41% 1999, 35% avg. Spring Wheat condition 3% very poor, 17% poor, 41% fair, 39% good. Barley harvested (grain) 66%, 45% 1999, 41% avg. Barley condition 1% very poor, 19% poor, 40% fair, 40% good. Oats harvested for grain 25%, 17% 1999, 18% avg. Oats harvested for hay or silage 82%, 80% 1999, 75% avg. Tart cherries picked 86%, 81% 1999, 82% avg. Peaches picked 19%, 6% 1999, 9% avg. Irrigation water supplies 30% very short, 37% short, 33% adequate. Stock water supplies 13% very short, 37% short, 50% adequate. Major farm and ranch activities included harvesting wheat, barley, oats, and hay. Alfalfa 2nd cutting almost done; some starting 3rd cutting. Finishing up harvesting tart cherries and beginning to pick peaches. Onion crop suffering heat stress as weather continues to be very hot and dry. Due to water shortage, irrigation for crops is limited. Many farmers are out of irrigation water, and some ranchers are hauling water to livestock in the mountains. Hay yields may be down due to lack of water. Many fires burning rangelands due to extreme heat and lack of rain.

VIRGINIA: Days suitable for fieldwork 3.0. Topsoil moisture 1% short, 63% adequate, 36% surplus. Subsoil moisture 8% short, 72% adequate, 20% surplus. Pastures 1% poor, 10% fair, 63% good, 26% excellent. Livestock 4% fair, 76% good, 20% excellent. Other Hay 1% poor, 19% fair, 60% good, 20% excellent. Alfalfa Hay 1% poor, 14% fair, 58% good, 27% excellent. Corn for Grain 5% fair, 55% good, 40% excellent. Corn for Grain 92% Silked, 87% 1999, 84% 5-yr avg. Corn 57% dough, 40% 1999, 40% 5-yr avg. Corn 18% dent, 17 1999, 17 5-yr avg. Soybeans 1% very poor, 2% poor, 11% fair, 56% good, 30% excellent. Soybeans 51% blooming, 38% 1999, 48% 5-yr avg. Soybeans 26% setting pods, 14% 1999, 22% 5-yr avg. Flue-cured tobacco 14% fair, 47% good, 39% excellent. Flue-cured tobacco 14% harvested, 11% 1999, 14% 5-yr avg. Burley tobacco 3% very poor, 8% poor, 40% fair, 38% good, 11% excellent. Dark Fire-cured tobacco 3% fair, 55% good, 42% excellent. Dark Fire-cured tobacco 23% harvested, 7% 1999, 5% 5-yr avg. Sun tobacco 1% fair, 99% good. Sun tobacco 17% harvested, 1% 1999, NA 5-yr avg. Peanuts 12% fair, 75% good, 13% excellent. Peanuts 94% pegged, 99% 1999, 99% 5-yr avg. Cotton 8% fair, 77% good, 15% excellent. Cotton 81% setting bolls, 63% 1999, 89% 5-yr avg. Summer Potatoes 5% poor, 10% fair, 65% good, 20% excellent. Summer Potatoes 96% harvested, 89% 1999, 90% 5-yr avg. Apples 25% fair, 60% good, 15% excellent. Summer apples 80% harvested, 39% 1999, 29% 5-yr avg. Peaches 9% very poor, 3% poor, 9% fair, 64% good, 15% excellent. Peaches 55% harvested, 40% 1999, 43% 5-yr avg. Rains showers nearly everyday last week allowed only 3.0 days suitable for fieldwork. Hay harvest came to a standstill in some areas causing quality to decline. Continued reports of blue mold in tobacco. Flue-cured tobacco harvest underway after a delayed start due to wet fields. Rains are starting to affect vegetables, especially cantaloupes and tomatoes. Vegetable harvest continues as farmers can get into the fields. Peanut diseases are increasing due to wet fields and fungicide sprays have been applied. Other activities for the week included getting corn harvesting equipment in condition, mid summer de-worming of cattle and clipping pastures.

WASHINGTON: Days suitable for fieldwork 7.00. Topsoil moisture was, 18% very short, 47% short, and 35% adequate; subsoil moisture, 2% very short, 62% short, and 36% adequate. Winter wheat, dryland, 7% fair, 69% good, and 24% excellent; irrigated 100% good. Winter wheat, harvested 49%, 29% 1999, and 36% avg. The winter wheat harvest continued across the state with above average yields being reported. The hot dry weather aided in harvest conditions, but caused serious concern for fire danger. Spring wheat, dryland, 5% poor, 34% fair, 51% good, and 10% excellent; irrigated, 100% good. Harvested 23%, 6% 1999, and 13% avg. Barley, dryland 2% poor, 40% fair, 49% good, and 9% excellent; irrigated 100% good. Harvested 24%, 7% 1999, and 17% avg. The spring cereal grain harvest was underway across the state with yields

being reported as average. Potatoes, 2% fair, 96% good, and 2% excellent. Potatoes, harvested 17%, 9% 1999, and 11% avg. Alfalfa hay, second cutting 96%, 100% 1999, 92% avg; third cutting 26%, 35% 1999, 19% avg. Hay and roughage, 81% adequate and 19% surplus. Range and Pasture, 4% very poor 35% poor, 41% fair, and 20% good. Processing pea harvest was completed in most of the state. The potato, dry pea, cauliflower, spinach, cucumber, and mustard seed harvests were underway. Raspberry harvest was winding down with blueberry harvest picking up and average yields reported for both. Apples and pears were reported as sizing up nicely. Christmas tree growers reported aphids as being a problem, and were shearing trees. Dairy farmers continued spreading manure. Pasture land across the state was drying up due to the lack of moisture.

WEST VIRGINIA: Days suitable for fieldwork 2.6 Topsoil moisture 1% short, 82% adequate, 17% surplus. Producers made good harvest progress despite scattered showers across most areas of the State.. Wheat harvested 99%, 100% 1999 and 94% 5-yr avg. Hay 5% poor, 25% fair, 54% good, 16% excellent; Hay 2nd cut 53%, 48% 1999, 48% 5-yr avg. Corn condition 13% fair, 43% good, 44% excellent; Corn silked 79%, 71% 1999, 73% 5-yr avg; Corn doughing 18%, 35% 1999, 26% 5-yr avg. Soybean condition 23% fair, 43% good, 34% excellent; Soybeans blooming 72%, 72% 1999, 73% 5-yr avg; Soybeans setting pods 25%, 36% 1999, 37% 5-yr avg. Oats harvested 76%, 77% 1999, 63% 5-yr avg. Tobacco condition 13% poor, 44% fair, 43% good, ; Tobacco topped 29%, 12% 1999, 38% 5-yr avg. Apple condition 58% fair, 35% good, 7% excellent. Peach condition 16% poor, 60% fair, 16% good, 8% excellent. Cattle 1% poor, 12% fair, 76% good, 11% excellent. Sheep 3% fair, 90% good, 7% excellent.

WISCONSIN: Days suitable for fieldwork 5.6. Last week's temperatures were average to below normal, keeping corn growth behind normal. Warmer temperatures would help keep crops moving toward maturity, and corn especially needs heat for a good crop. Dry weather has allowed a good amount of oats and winter wheat to be harvested. Rain is needed in central Wisconsin. Soil moisture: 6% very short, 32% short, 60% adequate, and 2% surplus. Winter wheat harvested was 86% complete, compared to 93% complete last year, and 69% complete for the 5-year average. Second cutting of hay: 94% 2000, 85% 1999, and 80% 5-year average. Third crop hay was 19% complete, a week ahead of the 5-year average. Pasture feed condition: 4% very poor, 14% poor, 35% fair, 36% good, and 11% excellent. Late raspberries are just starting to ripen. Snap bean harvest should begin next week in Door County, with canning green pea harvest nearly complete. Baling straw and hauling manure were some of the other activities farmers completed last week.

WYOMING: Days suitable for fieldwork 6.9. Topsoil moisture 45% very short, 48% short, 7% adequate. Barley turning color 90%, 83% 1999, 89% avg.; mature 70%, 67% 1999, 53% avg; harvested 28%, 39% 1999, 20% avg. Barley condition 6% poor, 45% fair, 46% good, 3% excellent. Oats turning color 69%, 54% 1999, 71% avg.; mature 41%, 24% 1999, 36% avg.; harvested 16%, 7% 1999, 13% avg. Oats condition 11% poor, 41% fair, 41% good, 7% excellent. Spring wheat turning color 78%, 59% 1999, 74% avg.; mature 54%, 37% 1999, 35% avg.; harvested 12%, 22% 1999, 15% avg. Spring wheat condition 27% poor, 41% fair, 29% good, 3% excellent. Winter wheat harvested 92%, 86% 1999, 69% avg. Corn silked 79%, 76% 1999, 60% avg.; 53% milk, 28% 1999, 21% avg.; dough 13%, 0% 1999, 1% avg. Corn condition 1% very poor, 2% poor, 20% fair, 74% good, 3% excellent. Dry beans bloom 89%, 94% 1999, 96% avg.; setting pods 64%, 62% 1999, 59% avg.; turning color 2%, 4% 1999, 2% avg. Dry beans condition 16% poor, 14% fair, 65% good, 5% excellent. Sugarbeets condition 18% fair, 70% good, 12% excellent. Alfalfa second cutting 44%, 31% 1999, 24% avg. Other hay harvested 72%, 63% 1999, 69% avg. Range and pasture condition 24% very poor, 35% poor, 35% fair, 6% good. Irrigation water supplies 37% very short, 21% short, 42% adequate. Hot and mostly dry conditions continue.