

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 6.3. Topsoil 28% very short, 50% short, 22% adequate. Corn 93% dough, 85% 1999, 5 yr avg not available. Corn 82% dented, 77% 1999, 88% 5 yr avg.; 70% mature, 51% 1999, 60% 5 yr avg.; 21% harvested, 8% 1999, 15% 5 yr avg.; 32% very poor, 22% poor, 26% fair, 20% good, 0% excellent. Soybeans 82% blooming, 59% 1999, 71% 5 yr avg.; 46% setting pods, 41% 1999, 47% 5 yr avg.; 5% very poor, 19% poor, 47% fair, 28% good, 1% excellent. Pasture feed 22% very poor, 32% poor, 37% fair, 9% good, 0% excellent. Livestock 9% very poor, 17% poor, 34% fair, 37% good, 3% excellent. Most of the State received rainfall. Farmers began harvesting corn. Cotton bolls beginning to open. Some pastures are greening up, may be cut one more time for hay before first frost.

ALASKA: Days suitable for fieldwork 3.2. Heavy rains across the Tanana Valley hindered field work, while drier conditions across the Mat-Su Valley and the Kenai allowed the hay harvest to advance. Daytime high temperatures averaged from the upper fifties to low seventies, and lows averaged in the mid-forties. Topsoil moisture supplies, 5% short, 95% adequate. Subsoil moisture supplies, 10% short, 90% adequate. Heavy rains in the north improved conditions. Barley, turning color, 60%, 59% 1999, 75% average. Barley conditions, 30% fair, 60% good, 10% excellent. Oats, turning color 35%, 31% 1999, 68% average. Wind or rain damage to small grains, 95% none, 5% light. Potatoes in bloom, 85%, 89% 1999, 94% average. First cutting hay harvest, 85% complete, 89% 1999, 94% average. 65% moderate. Major farming activities for the week included cutting and harvesting hay, harvesting vegetables, and irrigating potato and vegetable fields. Some second crop hay has been cut and harvested.

ARIZONA: Area recorded above average temperatures with modest precipitation throughout the state during the week of August 13. Weather conditions have had a minimal impact on crop production due to irrigation. Range, pasture feed have been reported as very poor with significant precipitation needed in some areas.

ARKANSAS: Days suitable for fieldwork: 7.0. Soil moisture, 39% very short, 39% short, 22% adequate, 1% surplus. Rice 77% headed, 83% 1999, 77% 5 yr. avg; 3% ripe; rice conditions 1% very poor, 5% poor, 19% fair, 56% good, 19% excellent. Sorghum 96% headed, 98% 1999 and 94% 5 yr. avg.; 81% turning color, 58% 1999, and 44% 5 year average.; 19% mature; sorghum condition 1% very poor, 6% poor, 29% fair, 56% good, 8% excellent. Cotton 6% opening bolls, 2% 1999, and 2% 5 year average; cotton condition 2% very poor, 8% poor, 34% fair, 47% good, 9% excellent. Soybean 85% bloomed, 88%, 1999, 81% 5 yr average; 54% setting pods, 57% 1999 and 47% 5 yr average; Soybean conditions 8% very poor, 19% poor 35% fair, 30% good, and 8% excellent. Corn 97% dough; 86% dent; 23% mature; conditions 1% very poor, 4% poor, 12% fair, 52% good, 31% excellent.; Alfalfa Hay 4% very poor, 8% poor, 21% fair, 60% good, 7% excellent; Other Hay conditions: 5% very poor, 15% poor, 34% fair, 40% good, 6% excellent. Pasture and Range conditions: 8% very poor, 19% poor, 33% fair, 37% good, 3% excellent. **CROPS:** Farmers continued irrigating cotton and soybean fields, and began draining rice fields. Farmers were also preparing for corn and sorghum harvest. Soybeans were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, and boll weevils. Armyworms and grasshoppers were being treated in soybean fields and some pastures. Other activities

included harvesting peaches and apples, as well as, cutting and baling hay. **LIVESTOCK:** Livestock were in good condition. Cattle were still being treated for horn flies and internal parasites, as well as, pinkeye. Some early feeding of hay was reported in the driest areas.

1/Many reports are received on Friday and may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton was in good condition in most areas, although some squares were dropping due to the heat. Cotton fields were irrigated, sprayed to control worms, lygus, mites, aphids. Harvest of silage corn continued; good yields were reported. A few corn fields were still being planted for silage. Corn for grain was drying. Several corn fields were treated for mites and weeds. Many early variety black-eyed bean fields received their last irrigation. Some dry bean fields were treated for leafhopper. Alfalfa hay drying conditions were rapid with the hot weather. Alfalfa seed harvest began. Many alfalfa, sudan fields were treated for armyworms. Sugar beet harvest continued, with fields being topped, then harvested. Rice continued to head out. Safflower, wild rice harvests were completed in many fields. Some sunflower seed fields were treated with defoliant. Growers were conducting summer cultural activities in their vineyards, orchards. Weed control, fungicide applications, irrigation activities continued. Growers treated 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. Red Globe, Thompson Seedless, Flame Seedless were the primary varieties moving. Wine grape harvest continued in the San Joaquin Valley. Harvest was active in figs, Freestone and 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 had occurred in many orchards as some growers began harvest. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The Valencia orange harvest slowed in southern state, the San Joaquin Valley, due to market conditions. Strawberry picking was active on the central coast. Insecticide applications continued in tomato, cantaloupe, freezer bean fields in the Sacramento Valley. Tomato fields were sprayed for aphids, worms in the Stockton Delta region. Both regular, cherry tomato production were affected by high temperatures. Warmer temperature conditions also affected peppers, eggplants by causing blooms to drop. Cantaloupe harvest was slow this week. The fall lettuce crop was planted. Early-planted eggplant fields were trimmed for the fall crop. Honeydew harvest was underway throughout the San Joaquin Valley, while the watermelon harvest was slowing down. Onion harvest was winding down. Additional vegetables harvested this week included: Carrots; broccoli; radishes; cilantro; fresh, market cucumbers; sweet corn; green beans; eggplant; garlic; mustard greens; mixed melons; okra; parsley; bell, sweet, Jalapeno, chili peppers; kabocha, scalloped, yellow crookneck, zucchini squash; black-eyed, snap peas; spinach; fresh, processing, cherry tomatoes. Non-irrigated, higher elevation pasture conditions were mixed; some were in good condition while others began to deteriorate. Irrigated pastures in the central and northern valleys continued in good condition. Overall, livestock were in good condition. Many cattle in northeastern State will be moved from government grazing land early due to the lack of drinking water and dry grass. Some cattle that were summered on dry, foothill pastures received supplemental feed.

Dry vegetation has fueled a large number of fires in the Sierra Nevada foothills. Dairy cows, poultry continued to be stressed from hot temperatures.

COLORADO: Days suitable for fieldwork 6.8. Topsoil 31% very short, 37% short, 32% adequate, 0% surplus. Subsoil moisture 33% very short, 42% short, 25% adequate, 0% surplus. Another hot, dry week with widely scattered showers. Some areas have had more than 40 days with temperatures in the 90s. Dryland crops are under moisture stress, irrigation water supplies are being drawn down rapidly. Spring barley 95% turning color, 98% 1999, 91% avg.; 58% harvested, 26% 1999, 28% avg. Dry onions 21% harvested, 4% 1999, 9% avg.; 6% very poor, 5% poor, 15% fair, 51% good, 23% excellent. Sugar beets 5% very poor, 6% poor, 26% fair, 42% good, 21% excellent. Summer potatoes 15% harvested, 7% 1999, 11% avg.; 1% very poor, 5% poor, 17% fair, 40% good, 37% excellent. Fall potatoes 4% poor, 8% fair, 61% good, 27% excellent. Dry beans 82% flowered, 83% 1999, 86% avg.; 19% very poor, 7% poor, 29% fair, 38% good, 7% excellent. Spring wheat 89% turning color, 84% 1999, 82% avg.; 40% harvested, 36% 1999, 32% avg.; 5% very poor, 7% poor, 12% fair, 53% good, 23% excellent. Alfalfa 88% 2nd cutting, 68% 1999, 81% avg.; 16% 3rd cutting, 10% 1999, 9% avg.

DELAWARE: Days suitable for fieldwork 4.3. Topsoil 3% short, 77% adequate, 20% surplus. Subsoil moisture 3% short, 82% adequate, 15% surplus. Field corn 58% dough, 50% in 1999, 50% avg.; 25% dent, 22% 1999, 23% avg.; 10% mature, 17% 1999, 7% avg. Corn harvested for silage 10% harvested, 21% 1999, 9% avg. Sweet corn 55% harvested, 52% 1999, 59% avg. Cucumbers 57% harvested, 53% 1999, 67% avg. Soybeans 56% bloomed, 41% 1999, 49% avg.; 33% setting pods, 32% 1999, 30% avg. Sorghum 2% fair, 55% good, 43% excellent; 50% headed, 44% 1999, 53% avg. Snap beans 74% harvested, 57% 1999, 54% avg. Pasture feed 2% poor, 11% fair, 61% good, 26% excellent. Corn 4% fair, 41% good, 55% excellent. Soybean 10% fair, 70% good, 20% excellent. Potatoes 43% harvested, 55% 1999, 65% avg. Cantaloupe 48% harvested, 38% 1999, 59% avg. Watermelons 40% harvested, 46% 1999, 47% avg. Apple 3% fair, 84% good, 13% excellent; 17% harvested, 14% 1999, 17% avg. Peaches 3% fair, 84% good, 13% excellent; 59% harvested, 49% 1999, 57% avg. Hay, supplies 8% short, 92% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 91% cut, 92% 1999, 97% avg.; 3rd cutting 63% cut, 84% 1999, 58% avg.; 4th cutting 15% cut, 26% 1999, 10% avg. Alfalfa 3rd cutting 66% cut, 87% 1999, 70% avg.; 4th cutting 18% cut, 14% 1999, 10% avg. Tomatoes 47% harvested, 36% 1999, 45% avg.

FLORIDA: Scattered storms brought varying amounts of rain, ranging from traces at Daytona Beach, Ft. Pierce to almost 4.0 in. in Tallahassee. Homestead, Dover, Immokalee recorded about 2.00 in.; Bradenton, about 3.33 in.; Pensacola, less than 0.50 in. Temperatures at major stations averaged normal to 2° above. Daytime highs in 90s; nighttime lows in 70s. Moisture short to adequate. Tobacco harvest, marketing active. Sugarcane good condition. Haying active. Cotton fair to good condition. Peanuts 89% pegged, 3% poor, 43% fair, 41% good, 13% excellent. Land preparation for planting vegetables remains active. Watermelon, pickle planting starting, West Central area. East coast producers planting peppers. Tomato planting active Palmetto-Ruskin region, growers beginning to stake older plants. Dade County producers harvesting okra; Palmetto-Ruskin growers picking summer squash. Rain most citrus areas, more needed to refill ponds, lakes, streams. Abundant new growth, very little late bloom fruit, most on drought stressed trees. Early bloom fruit sizing well. A few fresh squeeze juice operations still open. Caretakers cutting cover crops, herbiciding, fertilizing, spraying. Burning of trash continues. Pasture feed 5% poor, 70% fair, 25% good. Cattle 5% poor, 65% fair, 30% good. Statewide, cattle, pasture feeds slightly improved over previous week. Panhandle, north: generally dry, stock ponds low. Central: pastures greened up but condition unchanged from previous week. West central: pastures, cattle conditions improved.

GEORGIA: Days suitable for field work 5.9. Soil moisture 13% very short, 40% short, 45% adequate, 2% surplus. Corn 85% mature, 84% 1999, 83% avg.; 34% harvested for grain, 30% 1999, 23% avg. Hay 13% very poor, 25% poor, 38% fair, 21% good, 3% excellent. Sorghum 17% very poor, 26% poor, 37% fair, 18% good, 2% excellent; 3% harvested for grain, 3% 1999, 2% avg. Tobacco 64% harvested, 71% 1999, 71% avg. Watermelons 98% harvested, 96% 1999, 96% avg. Apples 2% poor,

44% fair, 43% good, 11% excellent; 11% harvested, 7% 1999, 8% avg. Peaches 99% harvested, 98% 1999, 98% avg. Pecans 9% very poor, 19% poor, 41% fair, 27% good, 4% excellent. Showers fell over parts of the State last week. Warmer, drier conditions returned, especially late in the week. Soil moisture evaporated rapidly due to the hot, dry conditions. Availability of irrigation water continued to be a concern. Corn harvest progressed. Late season weed pressure occurred in cotton. Cotton continued to be treated for insects. Some peanut producers experienced disease pressure, especially Tomato Spotted Wilt Virus. Previous rains helped pastures, hayfields. Haying activities occurred where possible. Pastures were mowed. Water was hauled to livestock. Farmers planted millet, fast growing summer annuals hoping to have additional feed for livestock. Some cattlemen liquidated herds. Other activities included: Cutting, storing silage corn.

HAWAII: Trade wind weather conditions was fair for agriculture during the week. Leeward sections were sunny and dry while windward areas were mostly sunny with generally light showers. Most crops continued to be in good to fair condition. Insect populations are being controlled with monitoring, timely spraying. Banana orchards were in fair to good condition. Harvesting was active and steady. Papaya were in mostly good condition. Disease continued to affect a few fields. Summer weather was favorable for tree, fruit development. Most vegetables were in fair condition. Higher temperatures, generally dry conditions were stressing crop development. Irrigation was heavy. Most insects, diseases were being controlled by spraying.

IDAHO: Days suitable for field work 6.8. Topsoil 37% very short, 34% short, 29% adequate. Continued hot, dry weather made for perfect harvest conditions. The harvest of most crops throughout the state is ahead of 1999, the 5 yr avg. Irrigation supply 14% excellent, 29% good, 28% fair, 20% poor, 9% very poor. Oats 17% harvested, 22% 1999, 16% avg. Potato 7% vines dying/killed, 4% 1999, 3% avg.; 1% harvested, 1% 1999, 0% avg. Mint 82% harvested, 32% 1999, 55% avg. Peaches 37% harvested, 17% 1999, 29% avg. Dry Peas 64% harvested, 29% 1999, 30% avg. Lentils 48% harvested, 19% 1999, 11% avg. Onions 0% harvested, 3% 1999, 2% avg. Prunes, plums 6% harvested, 7% 1999, 6% avg. Sweet corn 14% for processing, 20% 1999, 11% avg. Dry beans 3% harvested, 1999 1%, avg. 1%. Alfalfa hay 2nd cutting harvested 93%, 83% 1999, 77% avg.; 41% 3rd cutting harvested, 21% 1999, 13% avg. Spring wheat turning 99% color, 92% 1999, 91% avg. Barley 99% turning color, 88% 1999, 89% avg. Activities: Irrigating, weed control, monitoring for disease, pests, harvesting small grains, peaches, prunes, plums, mint, dry peas, lentils, sweet corn for processing, potatoes, dry beans, hay.

ILLINOIS: Days suitable for fieldwork 4.7. Topsoil 2% very short, 13% short, 74% adequate, 11% surplus. Corn 3% mature, 1% 1999, 0% avg. Oats 99% harvested, 98% 1999, 93% avg. Alfalfa 51% 3rd cut, 46% 1999, 32% avg. Occasional scattered showers, normal temperatures last week across the state are keeping crops looking good, progressing ahead of normal. Some areas in the southern districts received heavier rains, with one reporter saying "this is the wettest drought we have ever seen". Some cases of Sudden Death Syndrome are beginning to appear in certain soybean varieties. With harvest expected to begin in the next three to four weeks, farmers continue to clean out grain bins, prepare harvesting equipment, along with baling hay, mowing waterways, attending fairs.

INDIANA: Days suitable for fieldwork 4.2. Topsoil 1% very short, 12% short, 70% adequate, 17% surplus. Subsoil 3% very short, 20% short, 67% adequate, 10% surplus. Rain, strong thunderstorms moved across the state, slowing field activities. Corn, soybean condition improved. Mint harvest is underway, cutting of tobacco has started in southern regions. Precipitation averaged .17 to 3.16 inches. Temperatures averaged 3° below normal to 3° above normal. Weeds remain a problem in some soybean fields. Range, pasture 0% very poor, 3% poor, 24% fair, 60% good, 13% excellent. Alfalfa 58% 3rd cutting hay, 69% 1999. Major activities: Baling hay, 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 5.2. Topsoil 9% very short, 33% short, 56% adequate, 2% surplus. Subsoil moisture 23% very short, 30%

short, 45% adequate, 2% surplus. Hot, humid weather predominated, some showers beneficial for crops & pastures. Corn, soybean crops on pace for record yields. Corn 91% milk stage, 84% 1999, 68% avg.; 52% dough stage, 43% 1999, 24% avg, 11% dent stage, 9% 1999, 3% avg.; 3% very poor, 6% poor, 21% fair, 47% good, 23% excellent, 96% setting pods, 90% 1999, 83% avg.; 2% very poor, 7% poor, 24% fair, 47% good, 20% excellent. Range, pasture feed 7% very poor, 15% poor, 31% fair, 39% good, 8% excellent. Alfalfa 38% 3rd cutting, 22% 1999, 12% avg. Clover hay 85% 2nd cutting, 65% 1999, 50% avg.; 1% very poor, 6% poor, 25% fair, 50% good, 18% excellent.

KANSAS: Days suitable for fieldwork 6.6. Topsoil 24% very short, 47% short, 29% adequate. Subsoil moisture 19% very short, 46% short, 34% adequate, 1% surplus. Crop conditions decline. Corn 9% mature, 3% 1999 & avg. Soybeans 4% dropping leaves, none 1999, avg. Sorghum 5% mature, none 1999, avg. Sunflower 79% bloom, 81% 1999, 23% ray flowers dry, 15% 1999, 14% bracts yellow, 9% 1999, 1% very poor, 7% poor, 40% fair, 50% good, 2% excellent. Alfalfa 93% 3rd cutting, 83% 1999, 80% avg. Alfalfa 27% 4th Cutting, 19% 1999, 13% avg. Range, Pasture feed 8% very poor, 23% poor, 39% fair, 28% good, 2% excellent.

KENTUCKY: Days suitable fieldwork 3.8. Topsoil 3% very short, 7% short, 72% adequate, 18% surplus. Subsoil moisture 7% very short, 14% short, 68% adequate, 11% surplus. Hot, humid weather conditions began the week, with a cold front moving in Wednesday. Temperatures were 1° above normal for the week. Rain was received in some sections of the State that were still in a mild drought. Corn beginning to dry down in south, western portion of State. Soybeans benefitted from recent rain. Burley tobacco 78% topped, 70% 1999, 54% avg.; 13% cut, 16% 1999, 8% average. Dark tobacco 91% topped, 92% 1999, 78% avg.; 11% cut, 16% 1999, 12% average. Tobacco 1% very poor, 5% poor, 18% fair, 56% good, 20% excellent. Blue mold, black shank a problem in fields receiving continuous rain. Reports of these diseases have been extremely variable, from no problem to serious impact. No major insect problems reported. Pastures 2% very poor, 3% poor, 23% fair, 56% good, 16% excellent. Hay crop 4% very poor, 3% poor, 22% fair, 53% good, 18% excellent.

LOUISIANA: Days suitable for fieldwork 6.5. Soil moisture 40% very short, 38% short, 21% adequate, 1% surplus. Corn 3% very poor, 10% poor, 31% fair, 54% good, 2% excellent; 95% mature, 100% 1999, 97% avg.; 60% harvested, 46% 1999, 34% avg. Corn producers continued to harvest. Hay 82% final cutting, 46% 1999, 60% avg. Rice 75% ripe, 80% 1999, 57% avg. Rice farmers were busy harvesting. Soybeans 16% leaves turning, 15% 1999, 10% avg. Sorghum 76% ripe, 62% 1999, 41% avg.; 25% harvested, 20% 1999, 9% avg. Sugarcane 1% very poor, 15% poor, 35% fair, 41% good, 8% excellent; 10% planted, 18% 1999, 5% avg. Some sugarcane was lodged as a result of strong winds produced by the storm Thursday night. Sweet Potatoes 5% harvested, 9% 1999, 6% avg. Livestock 2% very poor, 11% poor, 40% fair, 41% good, 6% excellent. Vegetables 9% very poor, 34% poor, 39% fair, 17% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.4. Topsoil 3% short, 79% adequate, 18% surplus. Subsoil moisture 1% very short, 4% short, 87% adequate, 8% surplus. Cucumbers 71% harvested, 69% 1999, 73% avg. Lima beans 34% harvested, 18% 1999, 14% avg. Snap Beans 61% harvested, 58% 1999, and 65% avg. Soybeans 63% bloomed, 63% 1999, 68% avg.; 47% setting pods, 48% 1999, 45% avg. Sorghum 40% good, 60% excellent, 66% headed, 74% 1999, 68% avg. Tobacco 14% poor, 10% fair, 41% good, 35% excellent; 90% bloomed, 78% 1999, 85% avg.; 48% topped, 45% 1999, 57% avg.; 22% harvested, 14% 1999, 20% avg. Field corn 64% dough, 47% 1999, 47% avg.; 23% dent, 23% 1999, 18% avg. Sweet corn 63% harvested, 71% 1999, 66% avg. Potatoes 88% harvested, 77% 1999, 87% avg. Pasture 1% very poor, 3% poor, 9% fair, 67% good, 20% excellent. Corn 1% very poor, 2% poor, 4% fair, 49% good, 44% excellent. Soybean 3% very poor, 6% poor, 20% fair, 42% good, 29% excellent. Apple 28% fair, 58% good, 14% excellent; 12% harvested, 7% 1999, 6% avg. Peach 11% fair, 68% good, 21% excellent; 50% harvested, 57% 1999, 55% avg. Cantaloupe 70% harvested, 69% 1999, 72% avg. Watermelons 40% harvested, 58% 1999, 57% avg. Tomatoes 52% harvested, 61% 1999, 58% avg. All hay supplies 1% very short, 2% short, 82% adequate, 15% Surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 83% cut, 86%

1999, 86% avg.; 3rd cutting 36% cut, 39% 1999, 30% avg.; 4th cutting 5% cut, 0% 1999, 2% avg. Alfalfa 3rd cutting 65% cut, 71% 1999, 63% avg.; 4th cutting 14% cut, 15% 1999, 11% avg. Activities: Continued rains have begun to affect soybeans, vegetables are under increased stress due to disease, over watering.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 1% very short, 11% short, 69% adequate, 19% surplus. Subsoil 1% very short, 16% short, 74% adequate, 9% surplus. All Hay 1% very poor, 6% poor, 22% fair, 55% good, 16% excellent. Drybeans 10% very poor, 16% poor, 41% fair, 30% good, 3% excellent. Oats 1% very poor, 6% poor, 24% fair, 62% good, 7% excellent. All Hay 75% 2nd cutting, 83% 1999, 86% avg.; 8% 3rd cutting, 22% 1999, 14% avg. Corn 85% silked, 100% 1999, 89% avg. Corn 37% milk, 80% 1999, 49% avg. Corn height 71%. Drybeans 81% blooming, 96% 1999, 89% avg.; 42% setting pods, 75% 1999, 67% avg. Warm, muggy conditions have led to lush growth for most crops. Scattered light precipitation across northern parts of State while southern parts saw little rain. Temperatures slightly above normal for week. Growing degree days (GDD) remain below average southern parts of State while northern parts slightly ahead. Precipitation remains below average for Upper Peninsula, northern Lower Peninsula, well above average for rest of State. District precipitation totals for week ranged from 0.77 inches northeastern Lower Peninsula to 0.02 inches south central Lower Peninsula. Rains generally beneficial, timely during past week, but some areas Thumb received excessive precipitation. Corn continued to look good, but still behind normal. Some corn fields had water standing. Soybeans improving, but still behind normal. Japanese beetle damage noticeable. Second cutting of alfalfa slowed by rain. Leaf Spot spraying sugarbeets continued. Oats looked good with harvest nearing completion. Dry bean fields some areas drowned out as water standing killed plants. Cantaloupe harvest continued to increase with good size. Carrot harvest well underway, quality good. Cauliflower, other cole crops benefitted from cool conditions, good volume. Celery harvest continued full swing with good quality. Cucumber harvest continued as some poor pollination effects became evident but quality looked good. Onions continued to size with some harvest. Potato harvest continued as tubers reaching maturity. Sweet corn harvest full swing, maturity advanced rapidly but remained behind normal. Pepper harvest well underway with a very good fruit set. Pumpkins continued to size. Summer squash, zucchini harvests continued but pollination problems reduced set. Snap bean growers concerned about white mold due to wet conditions. Tomatoes for fresh market being harvested increased volume. Processing tomatoes developing slowly. Watermelon harvest volume increased with no problems reported. Apples ranged from 2.25 to 2.5 inches diameter. Paula Red, Zesta varieties being picked. Early Red Delicious strains developing strong red skin color. Some peaches Southwest showing problems with small fruit size, soft fruit because growers have delayed harvest waiting for fruit to size. Red Havens being harvested Southeast. Bluecrop blueberry harvest winding down, Jersey, Rubel harvests continued, some Elliots being harvested. Fruit size, quality very good. Pears ranged from 2.5 to 2.75 inches diameter. Barlett pear harvest will start Southwest next week early sites. Plums ranged from 2.0 to 2.25 inches diameter. Summer raspberry harvest winding down, fall raspberry harvest getting started, earliest some growers can remember. Concord grapes expected to start veraison soon.

MINNESOTA: Days suitable for fieldwork 5.6. Topsoil 13% very short, 24% short, 61% adequate, 2% surplus. Corn 80% milking, 79% 1999, 65% avg. Rye 85% harvested, 82% 1999, 81% avg. Sweet corn 25% harvested, 31% 1999, 26% avg. Winter Wheat 79% harvested, 72% 1999, 72% avg. Canola 12% harvested, 1% 1999, NA avg. Pasture feed 7% very poor, 14% poor, 30% fair, 45% good, 4% excellent. Dry beans 13% very poor, 11% poor, 34% fair, 30% good, 12% excellent. Potatoes 3% very poor, 9% poor, 29% fair, 42% good, 17% excellent. Sunflowers 3% very poor, 10% poor, 28% fair, 50% good, 9% excellent. Canola 3% very poor, 4% poor, 21% fair, 42% good, 30% excellent. Sugarbeets 2% very poor, 4% poor, 17% fair, 50% good, 27% excellent. Rainfall continues to miss the central portion of the state. Central state topsoil conditions continue to be short going to very short as precipitation during the week was under one-half an inch. The remainder of the state received adequate precipitation to sustain the crops for the week, however, continued timely rains will be needed as corn ears, soybean pods are still filling. Areas of crop stress, from lack of moisture, are beginning to spread from the sandy soil to heavier soil types.

MISSISSIPPI: Days suitable for fieldwork 6.3. Soil moisture 45% very short, 42% short, 13% adequate. Corn 71% mature, 77% 1999, 58% avg.; 23% harvested, 19% 1999, 14% avg.; 57% silage harvested, 57% 1999, 62% avg.; 4% very poor, 13% poor, 31% fair, 42% good, 10% excellent. Cotton 5% very poor 14% poor, 36% fair, 36% good, 9% excellent. Rice 2% mature, 7% 1999, 8% avg.; 5% poor, 24% fair, 55% good, 16% excellent. Sorghum 44% mature, 31% 1999, 27% avg.; 3% silage harvested, 14% 1999, 17% avg.; 8% very poor, 8% poor, 28% fair, 51% good, 5% excellent. Soybeans 22% turning color, 34% 1999, 19% avg.; 12% shedding leaves, 17% 1999, 8% avg.; 6% very poor, 14% poor, 38% fair, 31% good, 11% excellent. Sweetpotatoes 10% harvested, 9% 1999, 3% avg.; 3% very poor, 19% poor, 40% fair, 38% good. Watermelons 83% harvested, 88% 1999, 88% avg.; 3% very poor, 18% poor, 23% fair, 43% good, 13% excellent. Hay (warm-season) 68% harvested, 77% 1999, 78% avg. Cattle 3% very poor, 10% poor, 33% fair, 45% good, 9% excellent. Pasture 24%, very poor, 31% poor, 30% fair, 14% good, 1% excellent. Dry conditions still prevail throughout some parts of the state. Corn yield looks good in many parts of the state.

MISSOURI: Days suitable for fieldwork during the week 5.6. Topsoil 7% very short, 32% short, 60% adequate, 1% surplus. The weekly precipitation averaged 0.86 inch, ranging from virtually none in the southern 3rd of the state to 1.79 inches in the northeast district. Row crops continue in mostly good condition and are continuing to develop ahead of normal. Corn denting ranges from 46% northeast to 86% southeast. Corn, soybean development is nearly two weeks ahead of ahead of normal. Sorghum turning color varies from 17% east-central to 63% southeast. Third crop alfalfa is 68% cut, 59% 1999, 49% average. Pasture feeds 3% very poor, 16% poor, 37% fair, 39% good, 5% excellent.

MONTANA: Days suitable for fieldwork 6.9. Topsoil 47% very short, 47% short, 6% adequate, 0% surplus. Subsoil moisture 52% very short, 42% short, 6% adequate, 0% surplus. Barley 91% turning, 90% 1999, 90% avg.; 67% ripe, 49% 1999, 42% avg. Spring Wheat 90% turning, 93% 1999, 93% avg.; 67% ripe, 44% 1999, 41% avg. Oats 90% turning, 89% 1999, 90% avg.; 75% ripe, 47% 1999, 42% avg.; 40% harvested, 20% 1999, 14% avg.; 6% very poor, 17% poor, 38% fair, 30% good, 9% excellent. Corn 0% very poor, 2% poor, 55% fair, 34% good, 9% excellent. Dry beans 0% very poor, 2% poor, 53% fair, 40% good, 5% excellent. Potatoes 0% very poor, 0% poor, 19% fair, 54% good, 27% excellent. Sugar beets 0% very poor, 3% poor, 50% fair, 27% good, 20% excellent. Alfalfa hay 68% 2nd cutting, 44% 1999, 38% avg. Other hay 85% 1st cutting, 90% 1999, 89% avg. Winter Wheat 94% harvested, 65% 1999, 53% avg. Corn 1% harvested for silage, 3% 1999, 1% avg. Average temperatures are not quite as high throughout the state. However, in most areas of the state the continued heat has been causing crops to mature earlier than average. Harvest is ahead of schedule for the spring grains. Isolated incidents of hail damage to crops were reported across the state. The Central part of the state experienced slight rains, but there was no interference with harvest activities. Hay supplies continue to be a concern in the dry areas of the state. The North Central, Central regions report large decreases in hay production with some areas unable to get their usual 2nd cutting. Pasture, range feed shortages are causing some producers in the South Central portion of the state to begin supplementing feed. The shortage of water continues to be a concern with Central portions of the state. Little rain fell throughout the state this past week. A few isolated thunderstorms dropped hail, rain in limited amounts across state. Glendive reported the high temperature for the week at 105°. The low temperature for the week was 30° recorded at Wisdom.

NEBRASKA: Days suitable for fieldwork 7.0. Topsoil, subsoil moisture supplies were rated mostly very short. Temperatures for the week averaged 2 to 6° above normals. Precipitation was very light, scattered across the State. Corn 14% very poor, 14% poor, 26% fair, 37% good, 9% excellent; 77% in dough, 60% 1999, 42% avg.; 30% dented, 9% 1999, 6% avg. Soybeans 16% very poor, 22% poor, 32% fair, 26% good, 4% excellent; 99% bloomed, 99% 1999, 97% avg.; 88% setting pods, 70% 1999, 66% avg. Sorghum 9% very poor, 21% poor, 42% fair, 27% good, 1% excellent; 86% headed, 66% 1999, 64% avg.; 23% coloring, 4% 1999, 2% avg. Oats harvested 98% for grain, 96% 1999, 96% avg. Alfalfa 62% 3rd cutting harvested, 36% 1999, 27% avg.; 26% very poor, 26% poor, 28% fair, 18% good, 2% excellent. Pasture, range 39% very poor, 38% poor, 18% fair, 5% 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: Hot, dry conditions continued to dominate state weather. No significant precipitation was received. Drought intensified, particularly in the east-central part of the State. Range fires continued to ravage parts of the north; over one-half million acres have burned to date. Range water tanks continued to dry, irrigation water supplies diminish. Some public grazing allotments are pending early closure due to drought. Crop condition ratings remain generally good with the harvest season progressing. Second cutting of alfalfa hay nearly finished, third cutting progressing. Other hay harvest well along. Winter wheat, spring wheat, barley harvests moving rapidly. Oats for grain harvest underway, some oats continue to be cut for hay. Corn tasseled, responding well to the hot weather. Potatoes making good growth. Some cattle injured by range fires marketed. 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 6.0. Topsoil 1% very short, 20% short, 56% adequate, 23% surplus. Subsoil moisture 18% short, 62% adequate, 20% surplus. Pasture feed 4% very poor, 6% poor, 27% fair, 46% good, 17% excellent. Maine potatoes condition good. Rhode Island potatoes 35% harvested; 25% 1999; 15% avg.; condition good. Massachusetts potatoes 15% harvested, 20% 1999, 20% 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 40% harvested; 50% 1999, 40% avg.; condition good to fair. Shade tobacco 45% harvested, 70% 1999, 75% avg.; condition fair. Broadleaf tobacco 35% harvested, 70% 1999, 55% avg.; condition fair to poor. First crop hay 95% harvested, 99% 1999, 99% avg.; condition good to fair. Second crop hay 55% harvested, 65% 1999, 60% avg.; condition good. Third crop hay 5% harvested, 5% 1999, 5% avg.; condition good. Apples 5% harvested, 5% 1999, 5% avg.; fruit size avg, condition good to fair. Peaches 40% harvested, 80% 1999, 40% avg, fruit size avg, condition good to fair. Pears 5% harvested, none in 1999, none avg, fruit size avg, condition good to fair. Cranberries fruit size avg, condition good. Highbush blueberries: 65% harvested, 80% 1999, 65% avg.; fruit size avg to above avg, condition good to excellent. Wild Blueberries in Maine 40% harvested, 60% 1999, 40% avg, fruit size above avg to avg, condition good. Rain with high humidity created ideal disease conditions causing major crop damage to tobacco, vegetable crops. Major farm activities included: Applying fungicides, insecticides, cutting hay, silage, harvesting broccoli, blueberries, raspberries, sweet corn, cucumbers, tomatoes, green peppers, winter squash, peaches, pears, early apples. Shellfish growers were harvesting clams, oysters. Christmas tree growers were shearing trees.

NEW JERSEY: Days suitable for field work 6.1. Topsoil 33% adequate, 67% surplus. Corn 99% silked, 37% dough, 6% dent, 10% good, 90% excellent. Soybean 100% excellent. Continued shower, thunderstorm activity resulted in some flooding problems in the northwestern parts of the state. Producers were able to make good progress harvesting fresh market tomatoes, peppers despite wet conditions. Fresh market tomatoes are rated as mostly good, however, uneven ripening, cracking have been reported in some fields. Producers are concerned that quality, yield may decline with additional rainfall. Harvest of snap beans, cucumbers is nearing completion in some localities.

NEW MEXICO: Days suitable for field work 6.8. Topsoil 32% very short, 32% short, 36% adequate. Scattered thunderstorms provided some measurable rainfall at over three quarters of the reporting stations. Temperatures were above normal at most places, with a state wide average 3° above normal. Farmers were active last week harvesting onions, chile, alfalfa, corn for silage. Total sorghum 20% very poor, 23% poor, 25% fair, 30% good, 2% excellent, 31% headed; 57% 1999, 33% 5-year, 12% coloring; 3% 1999, 2% 5-year. Onions declined slightly from last week in fair to excellent condition, with 92% of the crop harvested. Corn was in fair to excellent condition, with 88% of the corn in the dough stage, 50% dented. The alfalfa condition was in mostly poor to excellent condition with the 3rd cutting finished, the 4th cutting 80% complete. The cotton crop also slightly declined from last week, reported in mostly fair to excellent condition, with bolls opening at 4%. Chile was in mostly fair to good condition with little change from last week. Some ranchers are

still using supplemental feeds, others have started again due to the lack of rain fall. Cattle, sheep conditions varied only slightly from last week. The pasture, range feed 11% very poor, 39% poor, 32% fair, 18% good.

NEW YORK: Days suitable 3.5. Soil moisture 36% adequate, 64% surplus. Pasture feed 1% fair, 78% good, 21% excellent. Hay 17% fair, 72% good, 11% excellent. Alfalfa 68% 2nd cut, 93% 1999, 85% avg. Second cut clo-tim 50% harvested, 77% 1999, 53% avg. Wheat 92% harvested, 100% 1999, 97% avg. Oats 32% harvested, 83% 1999, 62% avg. Corn 44% fair, 50% good, 6% excellent. Soybean 64% fair, 36% good. Farmers fought wet conditions to get hay cut, dried. Many producers went back to chopping haylage since wet conditions have not favored dry hay. Wheat yields looked good as many farmers began combining. Rain halted some wheat harvest causing farmers to worry about sprouting. Most corn was tasseling, but stands were highly variable in growth, development. Sweet corn picking was in full swing in Clinton, Essex counties. Sweet corn was in excellent condition. In Livingston, Monroe counties, snap bean harvest was 20% complete, cabbage was growing well and 5% of the crop was harvested. In Northern State, apples were in good to excellent condition in Clinton, Essex counties. The crop was 12% harvested in that region. Some trees were showing signs of wet feet, were dropping apples, but overall the fruit was growing well, coloring nicely. Western State fruit was in good to excellent condition. In Albany county, apples were in good condition as fruit appeared to be sizing well. In the Lake Erie Grape Belt region grapes were in good condition. Some spraying was occurring, but otherwise things were quiet. Pears were progressing in the Hudson Valley as growers began assessing if hail damaged fruit would be marketable.

NORTH CAROLINA: Days suitable for field work 5.2 compared with 3.9 the previous week. Soil moisture 3% very short, 10% short, 72% adequate, 15% surplus. The first full week of August was highlighted with the return of typical summer temperatures, light rain with a few areas reporting heavier rain amounts, some hail damage. Moist conditions in the fields are contributing to early ripening of tobacco, increased reports of disease in peanuts, corn, tobacco. The State's corn silage harvest is underway while other activities for the week included: Harvesting, marketing flue-cured tobacco, tending livestock, harvesting vegetables, cutting hay.

NORTH DAKOTA: Days suitable for fieldwork were 6. Topsoil 8% very short, 29% short, 56% adequate, 7% surplus. Subsoil moisture 8% very short, 21% short, 65% adequate, 6% surplus. Hot, dry weather across much of the state resulted in stress to late season crops, drying of pastures. Crop development for durum wheat 77% turning, 35% 1999, 52% avg.; 15% combined, 2% 1999, 7% avg. Canola 73% swathed, 33% 1999; 12% combined, 3% 1999. Dry bean development 59% fully podded, 41% 1999, 51% avg.; 23% lower leaves yellowing, 15% 1999, 20% avg. Flaxseed 77% turning, 35% 1999, 47% avg.; 4% combined, 1% 1999, 2% avg. Potatoes 85% rows filled, 99% 1999, 98% avg.; 3% vines killed, 5% 1999, 5% avg. Durum wheat 2% very poor, 10% poor, 34% fair, 47% good, 7% excellent. Canola 4% very poor, 7% poor, 28% fair, 48% good, 13% excellent. Dry beans 10% very poor, 13% poor, 31% fair, 38% good, 8% excellent. Flaxseed 2% very poor, 7% poor, 24% fair, 53% good, 14% excellent. Potatoes 8% very poor, 12% poor, 32% fair, 32% good, 16% excellent. Pasture, range 4% very poor, 12% poor, 33% fair, 45% good, 6% excellent. Stockwater supplies 5% very short, 12% short, 79% adequate, 4% surplus. Hay 82% of normal. Alfalfa 89% 2nd cutting, while all other hay 88% complete.

OHIO: Days suitable for fieldwork 3.2 days. Topsoil 1% very short, 5% short, 75% adequate, 19% surplus. Summer apples 73% harvested; 78% 1999. Alfalfa hay 95% 2nd cutting; 100% 1999; 95% avg. Alfalfa hay 32% 3rd cutting; 59% 1999; 28% avg. Corn 65% in dough; 79% 1999; 41% avg.; 10% dented; 22% 1999; 6% avg.; 1% harvested for silage; 1% 1999; 0% avg. Cucumbers 50% harvested; 61% 1999. Oats 90% harvested; 99% 1999; 86% avg. Other hay 81% 2nd cutting; 82% 1999; 76% avg. Other hay 17% 3rd cutting; 25% 1999; 12% avg. Peaches 61% harvested; 64% 1999. Potatoes 18% harvested; 24% 1999; 18% avg. Processing 1% tomatoes harvested; 5% 1999; 3% avg. Soybeans 96% blooming; 100% 1999; 94% avg. Soybeans 72%; setting pods 95% 1999; 66% avg. Tobacco 63% topped; 49% 1999, 13% harvested; 10% 1999. Corn 2% very poor, 6% poor, 17% fair, 49% good, 26% excellent. Hay 0% very poor, 4% poor, 20% fair, 61% good, 15% excellent. Pasture

0% very poor, 5% poor, 23% fair, 58% good, 14% excellent. Soybeans 4% very poor, 10% poor, 25% fair, 45% good, 16% excellent. Activities for the week included: Baling hay, straw; harvesting wheat, oats; reporting crops; seeding filter strips; 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; picking fresh market vegetables; preparing for the fall harvest. Reported weed pressures included Canadian thistle, ragweed, yellow sweet clover, smart weed, milkweed, broadleaf, pokeweed, hemp dogbane. Reported insects were Japanese beetles, leaf hoppers, slug, maggots, spider mites in vine crops, corn borers. Reported diseases included root rot, blossom end rot, rust in corn, white mold in soybeans, mildew in pumpkins, early blight on tomatoes, phytophthora in soybeans, blister spot on apples, anthracnose on vine crops, glume blotch in fruit, vegetables, blue mold in tobacco, gray wall in tomatoes. Livestock were reported in mostly good to excellent condition throughout the state. In the Northwest district, livestock have been affected by viruses, colds. In the North Central district, soggy pastures, fly problems are placing livestock under stress.

OKLAHOMA: Days suitable for fieldwork 6.7. Topsoil 15% very short, 53% short, 31% adequate, 1% surplus. Subsoil moisture 8% very short, 37% short, 55% adequate, 0% surplus. Wheat 37% seedbed prepared, 27% last week, 20% 1999, 23% avg. Oats 35% seedbed prepared, 26% last week, 6% 1999, 12% avg. Corn 2% poor, 19% fair, 70% good, 9% excellent, 84% dough, 70% last week, 64% 1999, 90% avg.; 26% mature, 19% last week, 9% 1999, 11% avg. Soybeans 6% very poor, 9% poor, 30% fair, 52% good, 3% excellent, 83% blooming, 73% last week, 69% 1999, 81% avg.; 58% setting pods, 50% last week, 53% 1999, 56% avg. Peanuts 86% setting pods, 84% last week, 85% 1999, 84% avg.; 1% mature, 0% last week, 0% 1999, 1% avg.; Alfalfa Hay 1% very poor, 8% poor, 29% fair, 54% good, 8% excellent, 88% 3rd cutting, 77% last week, 92% 1999, 81% avg.; 36% 4th cutting, 25% last week, 24% 1999, 16% avg; Other Hay 2% very poor, 6% poor, 26% fair, 56% good, 10% excellent, 54% 2nd cutting, 48% last week, 43% 1999, 39% avg. Watermelons 87% harvested, 75% last week, 66% 1999, 67% avg. Livestock 2% poor, 17% fair, 68% good, 13% excellent; Cattle marketings avg. Feeder steer, heifer prices steady to \$1.00 per cwt. higher than last week.

OREGON: Days suitable for fieldwork 7. Topsoil 24% very short, 48% short, 28% adequate. Subsoil 19% very short, 46% short, 35% adequate. Barley 49% harvested, 43% 1999, 46% avg.; 14% poor, 50% fair, 38% good, 14% excellent. Winter wheat 80% harvested, 73% 1999, 72% avg.; 22% fair, 48% good, 30% excellent. Range, pasture 3% very poor, 14% poor, 54% fair, 23% good, 6% excellent. Activities: Winter wheat, barley harvest starting to wind down throughout state. In Malheur County haying continued. All crops showing stress from continued high temperatures. In Willamette Valley, grass seed harvest continued. Mint & red clover seed harvest begin soon. Sugarbeet seed harvest underway. Third cutting of alfalfa ready. Field corn setting ears. In southwest valleys, grass seed harvested, third cutting of alfalfa being harvested. Nurseries transplanting pots to ground, while greenhouses planning, preparing for fall plants. Potted plants, flowers, some fall plants being advertised for sale in Eastern Oregon. Greenhouses working with fall plants. Summer maintenance, irrigation main activity. Vegetables reported doing very well in western regions of State with green bean, cucumber, sweet corn harvest on-going. Also reported nice crops of tomatoes, onions, garlic, zucchini squash, other salad vegetables. Harvest started on early potatoes, onions in Malheur County. In Umatilla County, fresh pack potatoes, onions, watermelon harvest continued. In Willamette Valley, Evergreen blackberry, blueberry, last of raspberry picking continued. Early apple, peach varieties harvested in southern valley. Hazelnuts & walnuts continued to mature. In southern state, Bartlett pear harvest started, peach harvest continued. Apples, other pear varieties continued developing nicely. Grapes also looked good. In Hood River Valley, Bartlett pear harvest set to begin August 14 in lower valley. In Coos, Curry counties, cranberry growers weeding their bogs. Livestock condition remains mostly good to excellent; quite variable in Malheur County. Worst fire season in fifty years taking its toll on range, pasture feeds. Even higher elevation rangeland in eastern state has dried up. Some cattle are being moved prematurely off range because of dry conditions. Growth in western state pastures finished under very dry conditions, most counties report supplemental hay feeding.

PENNSYLVANIA: Days suitable for field work 4.1. Soil moisture 2% short, 80% adequate, 18% surplus. Corn 81% silk, 88% 1999, 86% avg.; 45% dough, 43% 1999, 40% avg.; 8% dent, 8% 1999, 5% avg.; 1% poor, 14% fair, 46% good, 39% excellent. Soybean 1% poor, 4% fair, 41% good, 54% excellent. Oats 81% ripe, 92% 1999, 88% avg.; 49% harvested, 77% 1999, 67% avg. Potatoes 9% harvested, 20% 1999, 11% avg. Apples 18% harvested, 15% 1999, 13% avg.; Apple 2% very poor, 4% poor, 24% fair, 63% good, 7% excellent. Peaches 46% harvested, 46% 1999, 41% avg.; 2% very poor, 5% poor, 17% fair, 72% good, 4% excellent. Alfalfa 84% 2nd cutting, 93% 1999, 85% avg.; 33% 3rd cutting, 54% 1999, 41% avg. Timothy clover 53% 2nd cutting, 48% 1999, 47% avg. Quality of hay made 2% very poor, 15% poor, 44% fair, 35% good, 4% excellent. Activities include: Harvesting small grains, apples, peaches; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling, spreading manure; caring for livestock; making hay, haylage; baling straw; trimming brush, spraying crops.

SOUTH CAROLINA: Days suitable for field work 5.9. Soil moisture 2% very short, 26% short, 70% adequate, 2% surplus. Apples 93% fair, 7% good. Corn 97% doughed, 98% 1999, 99% avg.; 75% matured, 74% 1999, 77% avg.; 18% harvested, 22% 1999, 19% avg.; 19% very poor, 29% poor, 32% fair, 19% good, 1% excellent. Cotton 100% squared, 100% 1999, 100% avg.; 78% bolls set, 84% 1999, 87% avg.; 4% bolls opened, 5% 1999, 4% avg.; 2% very poor, 9% poor, 43% fair, 44% good, 2% excellent. Hay 88% harvested, NA 1999, NA avg. Livestock 4% poor, 34% fair, 50% good, 12% excellent. Peaches 83% harvested, 87% 1999, 90% avg.; 17% fair, 47% good, 36% excellent. Peanuts 93% pegged, 93% 1999, 77% avg.; 1% very poor, 2% poor, 41% fair, 8% excellent. Sorghum 80% headed, 83% 1999, 81% avg.; 55% turned color, 58% 1999, 63% avg.; 20% matured, 21% 1999, 23% avg.; 28% very poor, 21% poor, 35% fair, and 16% good. Soybeans 62% bloomed, 63% 1999, 66% avg.; 38% pods set, 26% 1999, 31% avg.; 3% very poor, 13% poor, 33% fair, 49% good, 2% excellent. Sweetpotatoes 46% fair, 54% good. Tobacco 58% harvested, 57% 1999, 59% avg.; 15% stalks destroyed, 16% 1999, 15% avg.; 1% very poor, 6% poor, 28% fair, 60% good, 5% excellent. Tomatoes 100% harvested, 100% 1999, 100% avg. Watermelons 100% harvested, 98% 1999, 98% avg.

SOUTH DAKOTA: Days suitable for field work 5.7. Topsoil 11% very short, 34% short, 51% adequate, 4% surplus. Subsoil moisture 17% very short, 35% short, 44% adequate, 4% surplus. Feed supplies 3% very short, 13% short, 70% adequate, 14% surplus. Stock water supplies 13% very short, 23% short, 56% adequate, 8% surplus. Winter Rye 97% harvested, 95% 1999, 89% avg. Corn 97% silked, 92% 1999, 85% avg.; 2% silage harvested, 0% 1999, 0% avg. Soybeans 4% dropping leaves, 2% 1999, 2% avg. Sorghum 4% silage harvested, 0% 1999, 0% avg. Sunflower 4% very poor, 11% poor, 25% fair, 43% good, 17% excellent, 89% blooming, 66% 1999, 69% avg.; 11% dry, 18% 1999, 14% avg.; 6% bracts yellow, 16% 1999, 11% avg. Alfalfa hay 10% very poor, 15% poor, 28% fair, 39% good, 8% excellent. Alfalfa hay 87% 2nd cutting harvested, 82% 1999, 81% avg. Alfalfa hay 31% 3rd cutting harvested, 20% 1999, NA% avg. Other hay 90% harvested, 83% 1999, 83% avg. Cattle 1% poor, 14% fair, 65% good, 20% excellent. Sheep 1% poor, 11% fair, 63% good, 25% excellent. Warm temperatures helped small grain harvest near completion. All small grains are above 90% harvested. Corn, soybeans, sorghum are developing ahead of 1999, the 5 year avg. Livestock continue to stay mostly in good to excellent condition. Topsoil moisture improved slightly from last week, but subsoil moisture levels continue to decline.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 7% very short, 33% short, 55% adequate, 5% surplus. Subsoil moisture 13% very short, 37% short, 48% adequate, 2% surplus. Pastures 7% very poor, 17% poor, 37% fair, 35% good, 4% excellent. Tobacco 75% topped, 77% 1999, 65% avg.; 4% very poor, 8% poor, 24% fair, 51% good, 13% excellent. Burley 17% harvested, 23% 1999, 13% avg. Dark air-cured 13% harvested, 21% 1999, 12% avg. Dark fire-cured 19% harvested, 22% 1999, 13% avg. Corn silage 36% harvested, 35% 1999, 22% avg. Mostly dry conditions allowed Tobacco growers to make excellent progress with harvesting activities last week. The crop showed slight improvement last week as late tobacco continued to take advantage of recent moisture. Those producers not yet harvesting, were busy topping their crop. Above normal temperatures during the first part of the week caused some problems, but relief arrived over the weekend as a cold

front brought cooler temperatures to most areas of the State. Only isolated showers, thunderstorms were reported. Many farmers were busy harvesting hay last week, boll weevil eradication spraying continued in West State.

TEXAS: Widely scattered showers fell across portions of the Plains, South Central, South State, however accumulations were extremely light, little relief from the dry conditions was observed. Across the remainder of state hot temperatures, high wind continued to deplete soil moisture which caused further delays in land preparation for fall planting. Unharvested dryland crops continued to stress in dryer areas and in some locations water available for irrigation was depleted, irrigated crops were also suffering. In some of the drier areas crops continued to be zeroed out or abandoned as a result of dry conditions. Body condition of livestock continued to decline, supplemental feeding increased especially in the dryer areas, hauling water to livestock remained a must for many producers. Pastures continued to be mostly dormant, haying operations remained idle as the dry conditions continued. Damage from grasshoppers, web worms, cabbage loopers, beet armyworms, stink bugs continued to escalate, became severe in a few locations. Many municipalities remained under strict water rationing, in some locations water was being hauled for home use. Field Crops: Small Grains: Land preparation for fall planting continued in some locations but generally slowed as dry conditions prevailed. Fall planting will be delayed in most areas if moisture is not received soon. Corn: Irrigated corn continued to progress well across most portions of the Plains. Harvest hastened in Southern, Central areas as the dry conditions increased maturity. Yields remained variable in all locations with dry land being the most varied. Corn Borer populations continued to increase in areas on the Plains. State wide corn 82% of normal compared with 87% 1999. Corn Mature Published 55%, 53% 1999, 54% Avg. Harvested 46% Published, 35% 1999, 38% Avg. Cotton: Cotton continued to progress rapidly in most locations as a result of the continued dry conditions. Cotton maturity ranged from matchhead square to cut-out. High temperatures, lack of moisture has caused a large amount of early cotton on the Plains to reach cut-out earlier than normal. Many fields are blooming in the top of the plant, wilting down during the heat of the day. Insect populations also remained high in some locations. Harvest activities continued to move northward as conditions for harvest were reached. State wide cotton 66% of normal compared with 43% 1999. Cotton Squaring 100% Published, 99% 1999, 100% Avg, 9% Harvested, 4% 1999, 6% Avg. Rice: Harvest continued to expand in areas of South Central State, Upper Coastal areas. Drying down continued in later planted rice, yields in harvested fields have been mostly good. State wide rice 95% of normal compared with 94% 1999. Sorghum: Harvesting continued in the Blacklands, central areas under extremely dry conditions, insect problems continued for many producers where maturity has not been reached. State wide sorghum 61% of normal compared with 79% 1999. Sorghum 54% Mature, 49% 1999, 54% Avg. 45% Harvested, 44% 1999, 46% Avg. Peanuts: On the Plains progress continue however, insect populations and plant disease remained high in some locations. In other areas some dry land peanuts may not be harvestable and some irrigated peanuts were suffering as available water was depleted. State wide peanut 68% compared with 82% 1999. Soybeans: Irrigated soybeans continued to make fair to good progress across the Plains, however dryland soybeans continued to suffer in many other locations. Harvest continued to expand in South Central, Coastal areas of the state where conditions were favorable for harvest. Commercial Vegetables, Fruit and Pecans: Rio Grande Valley, preparation for fall planting continued but slowed as the dry conditions continued. Watermelon harvest continued but was winding down. San Antonio-Winter Garden, harvesting cucumbers, squash, peppers were mostly completed, land preparation for fall planting's continued but slowed as the dry conditions continued. East State, harvest was completed for blueberries, watermelons. Sweet potatoes continued to make fair to good progress in some areas but was a disaster in others. Insect populations continued to be high in many locations. High Plains, vegetable progression remained favorable in the irrigated areas. Producers continued to plant peas, watermelons. Onion harvest was completed, carrot harvest was winding down. Green bean harvest continued to expand. Pecans: Pecans continued to make good to fair progress across the state. Nut drop continued in the dryer areas, especially where irrigation was marginal or not possible. Range, Livestock: Conditions for range, pasture, livestock continued to decrease as the drought continued across the state. Because of the dry conditions most pastures have become dormant which has increased the need for supplemental feeding. As the conditions have worsened in recent months

many remaining producers have reduced their herds while others have sold their remaining livestock as the immediate future looks undesirable. Insect pressure continued to add further injury to many pastures, control measures were too costly.

UTAH: Days suitable for field work 7. Topsoil 39% very short, 37% short, 24% adequate. Subsoil moisture 36% very short, 36% short, 28% adequate. Pasture, range 18% very poor, 39% poor, 31% fair, 12% good. Alfalfa hay 34% 3rd cutting, 6% 1999, 13% avg. Corn height 83 inches, 78 inches 1999, 71 inches avg. Corn tasseled (silked) 74%, 75% 1999, 65% avg.; 9% dough stage, 4% 1999, 6% avg. Winter wheat 83% harvested, 65% 1999, 64% avg. 32% poor, 41% fair, 27% good. Spring wheat 63% harvested, 61% 1999, 58% avg.; 3% very poor, 19% poor, 40% fair, 38% good. Barley harvested (grain) 79%, 64% 1999, 60% avg.; 1% very poor, 20% poor, 37% fair, 42% good. Oats harvested 48% for grain, 32% 1999, 32% avg.; 89 harvested for hay or silage%, 84% 1999, 83% avg. Tart cherries picked 95%, 93% 1999, 94% avg. Peaches picked 20%, 18% 1999, 25% avg. Irrigation water supplies 33% very short, 37% short, 30% adequate. Stock water supplies 16% very short, 39% short, 45% adequate. Major farm, ranch activities included: Harvesting small grains, picking tart cherries, baling hay. Weather continues to be hot and dry around the state and insects are a problem in some counties. Some farms may not have enough irrigation water to get a third or fourth crop of alfalfa.

VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 4% short, 77% adequate, 19% surplus. Subsoil moisture 10% short, 80% adequate, 10% surplus. Pastures 1% poor, 10% fair, 61% good, 28% excellent. Livestock 5% fair, 75% good, 20% excellent. Other Hay 1% poor, 11% fair, 62% good, 27% excellent. Alfalfa Hay 6% fair, 61% good, 33% excellent. Corn for Grain 3% fair, 51% good, 46% excellent, 95% Silked, 98% 1999, 91% 5-yr avg.; 59% dough, 58% 1999, 51% 5-yr avg.; 35% dent, 31 1999, 26 5-yr avg.; 17% mature, 11% 1999, 7% 5-yr avg.; silage 2% harvested, 6% 1999, 4% 5-yr avg. Soybeans 1% very poor, 4% poor, 13% fair, 49% good, 33% excellent. Soybeans 65% blooming, 49% 1999, 61% 5-yr avg.; 37% setting pods, 25% 1999, 33% 5-yr avg. Flue-cured tobacco 13% fair, 46% good, 41% excellent, 18% harvested, 19% 1999, 22% 5-yr avg. Burley tobacco 2% very poor, 11% poor, 39% fair, 36% good, 12% excellent, 2% harvested, 1% 1999, 2% 5-yr avg. Dark Fire-cured tobacco 2% fair, 55% good, 43% excellent, 27% harvested, 19% 1999, 15% 5-yr avg. Sun tobacco 1% fair, 40% good, 59% excellent, 20% harvested, 2% 1999, 3% 5-yr avg. Peanuts 20% fair, 60% good, 20% excellent, 99% pegged, 100% 1999, 100% 5-yr avg. Cotton 11% fair, 70% good, 19% excellent, 98% setting bolls, 83% 1999, 96% 5-yr avg. Summer Potatoes 6% very poor, 5% poor, 9% fair, 61% good, 19% excellent. Summer Potatoes 97% harvested, 94% 1999, 96% 5-yr avg. Apples 32% fair, 48% good, 20% excellent. Summer apples 82% harvested, 62% 1999, 44% 5-yr avg. Peaches 22% very poor, 6% poor, 16% fair, 40% good, 16% excellent. Peaches 63% harvested, 52% 1999, 54% 5-yr avg. Crop development progressed because of higher temperatures and fewer thunderstorms last week. Frequent rains are causing fruit rot, leaf diseases in cantaloupes, watermelons, tomatoes, other vegetables. Burley tobacco harvest is now underway while flue, fire harvest continued. Post emergent weed herbicides are being applied to soybean fields that are not too wet. Fungicide sprays, foliar applications of fertilizer continue on peanuts as weather permits. Other activities for the week included harvesting 2nd, third cuttings of hay, overseeding pastures, spreading chicken litter, bushhogging around farm facilities, attending field days.

WASHINGTON: Days suitable for fieldwork 7.00. Topsoil 22% very short, 47% short, 31% adequate. Subsoil moisture 2% very short, 62% short, 36% adequate. Winter wheat dryland 1% poor, 10% fair, 66% good, 23% excellent; 95% irrigated good, 5% excellent. 75% harvested, 42% 1999, 54% avg. Winter wheat harvest continued across the state with above average yields reported. Some areas expressed concern about the lack of moisture for winter wheat planting this fall. Spring wheat, dryland 4% poor, 37% fair, 54% good, 5% excellent; irrigated, 100% good, 45% harvested, 15% 1999, 29% avg. 1% barley dryland poor, 36% fair, 53% good, 10% excellent; irrigated 100% good, 49% harvested, 14% 1999, 33% avg. Spring cereal grain harvest continued. The dry conditions caused concern of fire danger. Potatoes 3% fair, 95% good, 2% excellent. Potatoes 20% harvested, 14% 1999, 14% avg. Alfalfa hay, 97% 2nd cutting, 100% 1999, 95% avg.; 44% 3rd cutting, 56% 1999, 38% avg. Hay, roughage, 76% adequate, 24% surplus. Range, Pasture 4% very

poor, 40% poor, 47% fair, 9% good. Potatoes dry peas, carrots, sweet corn, cauliflower, broccoli, cucumbers, vegetable seed harvests were underway. Raspberry harvest was completed with blueberry harvest continuing. Excellent harvest was predicted for blueberries with good prices. Peach harvest was winding down in parts of eastern state. Apples, pears were reported as sizing up nicely with some early varieties, such as EarliGold Golden Apples being harvested. Sunburn on apples was a concern. Timothy hay harvest was mostly completed. Small grain hay was baled. Pasture land across the state was dry due to the lack of moisture. Cattle were being moved frequently for pasture management.

WEST VIRGINIA: Days suitable for fieldwork 3.0. Topsoil moisture 3% short, 83% adequate, 14% surplus. Hay and tobacco conditions improved, but corn and soybean conditions declined. Hay 2% poor, 19% fair, 61% good, 18% excellent; Hay 2nd cut 55%, 57% 1999, 59% 5-yr avg; Hay 3rd cut 7%. Corn condition 22% fair, 49% good, 29% excellent; Corn silked 86%, 75% 1999, 82% 5-yr avg; Corn doughing 33%, 38% 1999, 37% 5-yr avg. Soybean condition 34% fair, 61% good, 5% excellent; Soybeans blooming 84%, 76% 1999, 83% 5-yr avg; Soybeans setting pods 32%, 41% 1999, 59% 5-yr avg. Oats harvested 83%, 79% 1999, 78% 5-yr avg. Tobacco condition 12% poor, 40% fair, 48% good; Tobacco topped 60%, 29% 1999, 52% 5-yr avg. Apple condition 60% fair, 33% good, 7% excellent. Peach condition 16% poor, 60% fair, 16% good, 8% excellent. Cattle 1% poor, 12% fair, 77% good, 10% excellent. Sheep 3% fair, 89% good, 8% excellent.

WISCONSIN: Days suitable for fieldwork 5.3. High winds caused extensive damage to crops and buildings in southern Wisconsin. The high winds caused some corn to go down. Golf ball sized hail hit northern Wisconsin early last week. Lots of fields washed out from sudden rain after extreme dryness. Rain totaled 2.7 inches in some areas of northwestern Wisconsin. Soil moisture: 3% very short, 27% short, 66% adequate, and 4% surplus. Winter wheat had yields in the 75-95 bushels per acre range. Wheat was mostly all combined. Third crop hay: 32% complete, 21% last year, and 18% for the 5-year average. Pasture feed condition: 5% very poor, 14% poor, 35% fair, 41% good, and 5% excellent. Straw yields have been high. Fall raspberry picking started last week. Cucumbers had good quality but were lower in quantity due to cool weather. Apples were plentiful in the orchards.

WYOMING: Days suitable for fieldwork 7.0. Topsoil 50% very short, 44% short, 6% adequate. Barley 80% mature, 69% 1999, 72% avg.; 43% harvested, 46% 1999, 36% avg.; 5% poor, 46% fair, 46% good, 3% excellent. Oats 84% turning color, 72% 1999, 82% avg.; 59% mature, 36% 1999, 50% avg.; 35% harvested, 16% 1999, 23% avg.; 11% poor, 40% fair, 44% good, 5% excellent. Spring wheat 82% mature, 42% 1999, 49% avg.; 37% harvested, 36% 1999, 23% avg.; 22% poor, 45% fair, 29% good, 4% excellent. Winter wheat 97% harvested, 94% 1999, 85% avg. Corn 91% silked, 89% 1999, 83% avg.; 72% milk, 54% 1999, 49% avg.; 25% dough, 21% 1999, 14% avg.; 1% very poor, 2% poor, 13% fair, 79% good, 5% excellent. Dry beans 76% setting pods, 81% 1999, 81% avg.; 11% turning color, 22% 1999, 8% avg. Dry beans 6% fair, 83% good, 11% excellent. Sugarbeets 2% poor, 10% fair, 74% good, 14% excellent. Alfalfa 57% 2nd cutting, 42% 1999, 37% avg. Other 85% hay harvested, 72% 1999, 77% avg. Range, pasture feed 20% very poor, 39% poor, 33% fair, 8% good. Stock water 26% very short, 42% short, 32% adequate. Hot, dry conditions continue.