

# Weekly Weather and Crop Bulletin State Stories

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**ALABAMA:** Days suitable for fieldwork 6.9. Topsoil 70% very short, 23% short, 7% adequate. Corn 97% dough, 88% 1999, 5 yr avg not available. Corn 93% dented, 84% 1999, 93% 5 yr avg.; 80% mature, 62% 1999, 70% 5 yr avg.; 32% harvested, 20% 1999, 22% 5 yr avg.; 38% very poor, 23% poor, 23% fair, 14% good, 2% excellent. Soybeans 86% blooming, 71% 1999, 81% 5 yr avg. Soybeans 68% setting pods, 58% 1999, 60% 5 yr avg.; 5% dropping leaves, 3% 1999, 1% 5 yr avg.; 16% very poor, 42% poor, 32% fair, 6% good. Pasture feed 30% very poor, 41% poor, 22% fair, 7% good, 0% excellent. Livestock feed 10% very poor, 19% poor, 52% fair, 15% good, 4% excellent. The state is very dry.

**ALASKA:** Days suitable for fieldwork 2.8. Topsoil 5% short, 80% adequate, 15% surplus. Subsoil moisture 10% short, 80% adequate, 10% surplus. Cool, damp conditions hindered crop development across the State. Scattered frost was reported in the eastern parts of the Tanana Valley, in the Kenny Lake area. Daytime high temperatures averaged in the low to mid-sixties, lows averaged in the low to mid-forties. Barley 65% turning color, 84% 1999, 92% avg.; 30% fair, 60% good, 10% excellent. Oats 80% turning color, 53% 1999, 91% avg.; 10% poor, 35% fair, 45% good, 10% excellent. Wind or rain damage to small grains, 95% none, 5% light. Potatoes for local sale, 10% poor, 15% fair, 65% good, 10% excellent. Hay harvest 90% 1st cutting, 94% 1999, 98% avg. Hay harvest 5% 2nd cutting, 2% 1999, 1% avg.; 20% 2nd cutting poor, 25% fair, 45% good, 10% excellent. Major farming activities for the week included: Cutting, harvesting hay, harvesting vegetables, harvesting potatoes for the local market, spreading manure, machinery repair.

**ARIZONA:** Area recorded above average temperatures with light precipitation throughout the state during the week of August 20. Warm temperatures have helped cotton to progress ahead of the 5-yr avg while a lack of substantial precipitation has adversely affected range, pasture feeds.

**ARKANSAS:** Days suitable for fieldwork 7.0. Soil moisture 51% very short, 42% short, 7% adequate. Rice 85% headed, 94% 1999, 89% 5 yr. avg.; 1% very poor, 5% poor, 19% fair, 55% good, 20% excellent. Sorghum 98% headed, 100% 1999, 97% 5 yr. avg.; 89% turning color, 82% 1999, 62% 5 yr avg.; 47% mature; 7% harvest; 1% very poor, 7% poor, 32% fair, 52% good, 8% excellent. Cotton 15% setting bolls, 16% 1999, 10% 5 yr avg.; 4% very poor, 11% poor, 30% fair, 43% good, 12% excellent. Soybean 94% bloomed, 95%, 1999, 89% 5 yr avg.; 72% setting pods, 73% 1999, 62% 5 yr avg.; 4% shredding, 2% 1999, 1% 5 yr avg.; 9% very poor, 22% poor 31% fair, 30% good, 8% excellent. Corn 99% dough; 94% dent; 55% mature; 17% harvest; 2% very poor, 3% poor, 14% fair, 54% good, 27% excellent.; Alfalfa Hay 10% very poor, 12% poor, 53% fair, 25% good; Other Hay 12% very poor, 28% poor, 39% fair, 20% good, 1% excellent. **CROPS:** Farmers continued irrigating cotton, soybean fields, draining rice fields. Corn, sorghum harvest began. Some cotton fields continued to be sprayed for insects. Dryland crops were showing stress. Armyworms were being treated in soybean fields, some pastures. Other activities included: Harvesting peaches, apples, as well as, cutting, baling hay. **LIVESTOCK:** Pastures, hay land were extremely dry, regrowth has stopped in many counties. Despite the dry, hot weather, most livestock were in good condition. Cattle were still being treated for flies, external parasites. Some poultry losses were reported due to extreme heat. Poultry farmers were closely monitoring flocks.

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

**CALIFORNIA:** Cotton bolls were setting nicely in most fields, with the crop maturing under good conditions. Some fields were sprayed for mites, worms. Corn for silage continued to be harvested, while the harvest of corn for grain started in several fields. Some corn fields were treated for weeds, mites. Alfalfa for hay continued to be cut, baled, with many fields on the sixth or seventh cutting. Several fields were treated for worms. Many fields of sugar beets were harvested. Insecticides were applied to occasional fields of sugar beets. Rice continued to head. Harvest of rice fields was expected to begin in a couple weeks. Growers were conducting summer cultural activities in vineyards, orchards. Weed control, irrigation activities continued. Growers were treating grape vineyards for mildew, leafhoppers. 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 grapes were harvested in the San Joaquin Valley. The glassy-winged sharpshooter remains a concern. Harvest was active in Freestone, Clingstone peaches, nectarines, plums. Bartlett pear harvest was active in Lake, Mendocino counties with approximately three fourths of the crop picked. Asian pear picking was active in the San Joaquin Valley. Gala apple picking continued. Walnuts were treated for blight, codling moth as harvest began. Almonds were treated for mites, navel orangeworm. Hull splits were occurring in many orchards as harvest gathered momentum. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of Valencia oranges slowed in southern state, the San Joaquin Valley due to market conditions. Strawberry picking was active on the central coast. Insecticide applications continued on tomato, melon, bean, cauliflower fields throughout the Sacramento, San Joaquin valleys. Harvesting of fresh, processing tomatoes, watermelons, cantaloupes, honeydew, parsley continued. Planting of broccoli continued in the Stockton Delta region, while thinning of broccoli began in some parts of the San Joaquin Valley. Harvest of garlic, onions continued. Additional vegetables harvested this week included: Carrots; 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 pastures were drying rapidly at higher elevations. Fire danger in the mountains was very high with fires burning in central, northern state. Cattle were beginning to move from government grazing land due to dry grass, lack of stock water. Irrigated pastures in the mountains, valleys were in fair to good condition. Overall, livestock were in good condition. Cattle on foothill pastures in central, northern state were receiving supplemental feed.

**COLORADO:** Days suitable for fieldwork 6.0. Topsoil 32% very short, 44% short, 24% adequate, 0% surplus. Subsoil moisture 38% very short, 43% short, 19% adequate, 0% surplus. Temperatures returned to more seasonal ranges last week along with isolated thunderstorms that produced heavy downpours, hail in some areas of the Front Range, Eastern Plains. Overall, growing conditions still remain very dry in all areas of the state. Surface water irrigation sources are beginning to run low in some areas, soil moisture ratings continue to deteriorate. Spring barley 80% harvested, 33% 1999, 41% avg. Dry onions 33% harvested, 13% 1999, 19% avg.; 5% very poor, 4% poor, 21% fair, 44% good, 26%

excellent. Sugar beets 4% very poor, 6% poor, 28% fair, 44% good, 18% excellent. Summer potatoes 30% harvested, 25% 1999, 19% avg.; 1% very poor, 2% poor, 7% fair, 29% good, 33% excellent. Fall potatoes 1% harvested, 0% 1999, 0% avg.; 2% poor, 7% fair, 63% good, 28% excellent. Dry beans 90% flowered, 88% 1999, 91% avg.; 1% cut, 4% 1999, 2% avg.; 20% very poor, 10% poor, 22% fair, 40% good, 8% excellent. Spring wheat 94% turning color, 94% 1999, 86% avg.; 49% harvested, 43% 1999, 41% avg.; 4% very poor, 7% poor, 12% fair, 54% good, 23% excellent. Alfalfa 91% 2<sup>nd</sup> cutting, 83% 1999, 88% avg.; 21% 3<sup>rd</sup> cutting, 22% 1999, 17% avg.

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**DELAWARE:** Days suitable for fieldwork 3. Topsoil 2% short, 66% adequate, 32% surplus. Subsoil moisture 3% short, 67% adequate, 30% surplus. Field corn 70% dough, 73% in 1999, 67% avg.; 47% dent, 40% 1999, 38% avg.; 15% mature, 22% 1999, 13% avg. Corn harvested for silage 15% harvested, 39% 1999, 19% avg. Sweet corn 70% harvested, 64% 1999, 70% avg. Cucumbers 71% harvested, 64% 1999, 75% avg. Soybeans 65% bloomed, 60% 1999, 63% avg.; 45% setting pods, 44% 1999, 46% avg. Sorghum 2% fair, 93% good, 5% excellent; 65% headed, 69% 1999, 69% avg.; 18% turning, 17% 1999, 11% avg. Snap beans 80% harvested, 60% 1999, 62% avg. Pasture feed 3% poor, 7% fair, 67% good, 23% excellent. Corn 4% fair, 73% good, 23% excellent. Soybean 18% fair, 60% good, 22% excellent. Potatoes 50% harvested, 68% 1999, 75% avg. Cantaloupe 65% harvested, 66% 1999, 73% avg. Watermelons 55% harvested, 64% 1999, 63% avg. Apple 3% fair, 84% good, 13% excellent; 25% harvested, 17% 1999, 24% avg. Peaches 3% fair, 84% good, 13% excellent; 70% harvested, 66% 1999, 69% avg. Hay supplies 10% very short, 13% short, 77% adequate. Percent of cutting hay crop harvest; clover, other hays 75% 3<sup>rd</sup> cutting cut, 86% 1999, 67% avg.; 20% 4<sup>th</sup> cutting cut, 29% 1999, 14% avg. Alfalfa 70% 3<sup>rd</sup> cutting cut, 93% 1999, 86% avg.; 20% 4<sup>th</sup> cutting cut, 17% 1999, 14% avg. Tomatoes 55% harvested, 54% 1999, 56% avg. Activities: Hay production hampered because of wet weather, reported mildew, mold in Lima Beans.

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**FLORIDA:** Thunderstorms dropped significant amounts of rain over some localities. Rainfall ranged from 0.00 in. at Daytona Beach to about 2.50 in. at Miami. Homestead recorded about 1.50 in.; Immokalee, over 2.00 in.; Palmetto-Ruskin area, traces to 1.00 in. Temperatures at major stations averaged near normal over Peninsula; Tallahassee, Pensacola temperatures averaged 3 to 4<sup>o</sup> above normal. Significant showers over western Panhandle, some inland Peninsula areas on Sunday, August 20 helped ease dry soil conditions. Moisture short to adequate. Tobacco harvest winding down. Tobacco marketing active. Sugarcane in good condition. Haying active. Cotton fair to good. Growers starting to harvest peanuts. Peanut crop 54% fair, 39% good, 7% excellent. Dry soils increasing need for irrigation as planting of fall vegetables gains momentum. Producers in Immokalee region starting to plant tomatoes, peppers. Planting of tomatoes, watermelons, pickles increasing, Palmetto-Ruskin area growers starting to plant eggplant. Tomato, pepper planting underway, East Coast area. Dade County producers preparing land with squash planting to start in September, potato seeding to begin in October. Squash harvesting continues Palmetto-Ruskin region. Okra harvesting active Dade County with growers planning to plant new fields in late August, early September. Rain on east, west coasts in citrus areas, but generally dry in middle of Peninsula this week; high, dry groves irrigated; lakes, ponds, streams not re-filling very fast; abundant new growth in well-cared-for groves; new crop fruit sizing well. Caretakers cutting cover crops, spraying, fertilizing, burning trash, debris following hedging, topping. Dead tree removal continues. Pasture feed 5% poor, 45% fair, 50% good. Cattle 5% poor, 45% fair, 50% good. Statewide, pasture feed mostly fair to good, cattle fair to good. Panhandle: cattle, pasture feed good to excellent. North: cattle calves feed good, armyworms showing up in some areas. West central: cattle, pastures feeds improving, armyworms active. Central: pasture, range land condition varies from poor to good depending on amount of rain received in past couple weeks. Southwest: pasture feed good, cattle fair to good.

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**GEORGIA:** Days suitable for field 6.6. Soil moisture 28% very short, 48% short, 23% adequate, 1% surplus. Corn 92% mature, 92% 1999, 90% avg.; 50% harvested for grain, 44% 1999, 37% avg. Hay 17% very poor, 30% poor, 36% fair, 15% good, 2% excellent. Sorghum 19% very poor, 30% poor, 35% fair, 14% good, 2% excellent; 7% harvested for grain, 9% 1999, 10% avg. Soybeans 87% blooming, 87% 1999, 90% avg. Tobacco 75% harvested, 81% 1999, 80% avg. Apples 4% poor, 44% fair, 43% good, 9% excellent; 14% harvested, 10% 1999, 13% avg.

Pecans 10% very poor, 21% poor, 39% fair, 26% good, 4% excellent. A week of hot, dry weather prevailed across the State last week. Northern areas received some moisture on Sunday. The conditions adversely affected most crops, soil moisture. Corn harvesting for grain, silage continued. Some early cotton fields were maturing sooner than normal. Cotton, peanuts were sprayed for pests. Tobacco harvest continued. Poultry was stressed from the heat. There was concern about reduced weight gain, rate of lay. Pastures, hayfields suffered from the dry conditions. Farmers cut hay where possible. Armyworms appeared in hayfields, pastures. Cattlemen hauled water to livestock, fed hay. Other activities included: Growing cabbage transplants in greenhouses, getting ready to prepare onion seed beds.

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**HAWAII:** Days were mostly sunny to partly cloudy with scattered showers limited to windward areas. Weather conditions were generally fair for agriculture during the week. Trade wind conditions prevailed for most of the week. Remnants of Hurricane Hector produced gusty winds, very heavy showers for most of the State on Sunday. Twenty-four hour rainfall readings in the 2-inch, over range occurred in many areas. Favorable weather after the short-lived rain storm will limit crop losses. Banana harvesting expected to increase in some major growing areas. Orchard conditions were mostly good. Spraying is expected to increase following Sunday's rainstorm. Papaya harvesting at moderate to heavy levels. Most fields were in good condition. Head cabbage harvesting will be steady. Fields were in fair to good condition. Sweet corn harvesting moderate.

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**IDAHO:** Days suitable for field work 6.9. Topsoil 40% very short, 36% short, 24% adequate. Wildfires continue to burn throughout the state, have damaged some hay, pasture, grain, livestock. Irrigation supply 14% excellent, 25% good, 31% fair, 20% poor, 10% very poor. Oats 32% harvested, 36% 1999, 29% avg. Potato vines 15% dying/killed, 6% 1999, 7% avg.; 2% harvested, 2% 1999, 1% avg. Mint 87% harvested, 60% 1999, 68% avg. Peaches 50% harvested, 22% 1999, 37% avg. Dry Peas 83% harvested, 39% 1999, 46% avg. Lentils 79% harvested, 31% 1999, 23% avg. Onions 6% harvested, 4% 1999, 5% avg. Prunes, plums 11% harvested, 12% 1999, 12% avg. Sweet corn 23% for processing, 34% 1999, 18% avg. Dry beans 8% harvested, 2% 1999, 3% avg. Apples 6% harvested, 0% 1999, 0% avg. Alfalfa hay 97% 2<sup>nd</sup> cutting harvested, 90% 1999, 85% avg.; 52% 3<sup>rd</sup> cutting harvested, 33% 1999, 21% avg. Activities: Irrigating, weed control, monitoring for disease, pests, moving livestock to alternate grazing areas, harvesting small grains, peaches, prunes, plums, apples, mint, dry peas, lentils, sweet corn, potatoes, dry beans, hay.

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**ILLINOIS:** Days suitable for fieldwork 6.0. Topsoil 3% very short, 17% short, 76% adequate, 4% surplus. Corn 9% mature, 9% 1999, 3% avg. Soybeans 5% turning yellow, 1% 1999, 1% avg. Alfalfa 69% 3<sup>rd</sup> cut, 58% 1999, 42% avg. Last week was another week of scattered showers, slightly below normal temperatures, but the crops are stressed in areas that didn't get the moisture. The soybean crop remains stable. Cases of Sudden Death Syndrome in soybean fields are on the rise across the state, with the most evidence, damage occurring in the southern districts, increasing on a daily basis. In the northern most counties, producers are concerned with fields being infested with a new pest, recently identified as the soybean aphid. Since this pest has never been reported in the U.S.A., little is known about it, so some producers are waiting to see what happens while others have begun spraying. With harvest just around the corner, equipment, grain storage preparation continues to be a priority for many farmers. Other activities last week included: Cutting silage, baling hay, mowing roadsides, attending plot tours, field days.

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**INDIANA:** Days suitable for fieldwork 5.5. Topsoil 2% very short, 16% short, 71% adequate, 11% surplus. Subsoil 5% very short, 23% short, 66% adequate, 6% surplus. Rain, strong thunderstorms occurred in some areas. Corn, soybean condition declined. Mint, tobacco harvest continued. Precipitation averaged .23 to 3.60 inches. Temperatures averaged 5<sup>o</sup> below normal to 2<sup>o</sup> above normal. Ninety degree temperatures occurred over most of the state before cooler weather arrived late in the week. Sudden death syndrome is a problem in some soybean fields, primarily western areas. Range, pasture 0% very poor, 3% poor, 28% fair, 57% good, 12% excellent. Alfalfa hay 75% 3<sup>rd</sup> cutting, 84% 1999. Tobacco 14% harvest, 20% 1999. Major activities: Baling hay, scouting fields, attending seed plot tours, cleaning grain bins, hauling

grain to market, mowing roads, pastures, equipment repair, hauling manure, preparing equipment for fall harvest, caring for livestock.

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**IOWA:** Days suitable for field work 5.6. Topsoil 13% very short, 30% short, 54% adequate, 3% surplus. Subsoil moisture 20% very short, 31% short, 47% adequate, 2% surplus. Some rain, unseasonably cool weather predominated, showers beneficial for crops, pastures. Corn 96% milk stage, 92% 1999, 86% avg.; 72% dough stage, 66% 1999, 46% avg.; 33% dent stage, 31% 1999, 13% avg. Corn 3% very poor, 9% poor, 19% fair, 47% good, 22% excellent. Soybean leaves 3% turning color, 2% 1999, 1% avg. 3% very poor, 10% poor, 21% fair, 46% good, 20% excellent. Range, pasture feed 8% very poor, 13% poor, 31% fair, 39% good, 9% excellent. Alfalfa 60% 3rd cutting, 37% 1999, 24% avg. Clover hay 90% 2nd cutting, 83% 1999, 79% avg. Hay 2% very poor, 7% poor, 26% fair, 49% good, 16% excellent.

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**KANSAS:** Days suitable for fieldwork 6.8. Topsoil 33% very short, 48% short, 19% adequate. Subsoil moisture 25% very short, 46% short, 28% adequate, 1 Crop conditions decline. Corn 14% mature, 8% 1999, 6% avg.; 1% hvstd. Soybeans 17% dropping leaves, 1% 1999, 3% avg. Sorghum 7% mature, 3% 1999, 2% avg.; 1% hvstd. unflower 86% bloom, 93% 1999, 40% ray flowers dry, 28% 1999, 27% bracts yellow, 13% 1999, 2% very poor, 11% poor, 44% fair, 41% good, 2% excellent. Alfalfa 97% 3<sup>rd</sup> cutting, 94% 1999, 91% avg.; 38% 4<sup>th</sup> Cutting, 30% 1999, 22% avg. percent surplus.

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**KENTUCKY:** Days suitable fieldwork 5.5. Topsoil 4% very short, 19% short, 71% adequate, 6% surplus. Subsoil moisture 8% very short, 21% short, 66% adequate, 5% surplus. Scattered showers were received late in the week across state. Light hail, wind damage to some tobacco fields was reported, mostly in bluegrass, eastern areas. Some central, western counties are still in need of a good rain. Corn harvest anticipated to begin by the second or third week of September, above average yields expected. Silage harvest has already begun. Soybeans in western areas need additional rain for pod fill. Some cases of sudden death syndrome have been reported in a few areas of the State. Burley tobacco 33% cut, 37% 1999, 21% avg. Dark tobacco 21% cut, 42% 1999, 29% avg. Tobacco 1% very poor, 3% poor, 15% fair, 56% good, 25% excellent. Blue mold pressure has lessened with drier weather. Black shank is still a problem in some fields. No significant insect problems reported. Pastures 2% very poor, 5% poor, 22% fair, 52% good, 19% excellent. Hay crop 2% very poor, 5% poor, 20% fair, 54% good, 19% excellent.

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**LOUISIANA:** Days suitable for fieldwork 6.8. Soil moisture 55% very short, 30% short, 14% adequate, 1% surplus. Corn 100% mature, 100% 1999, 98% avg.; 90% harvested, 73% 1999, 58% avg. Corn harvest made excellent progress due to the dry conditions. Cotton was being defoliated. Hay 88% final cutting, 55% 1999, 65% avg. Rice 76% harvested, 66% 1999, 53% avg. Rice harvest continued. Soybeans 100% blooming, 99% 1999, 99% avg.; 44% leaves turning, 28% 1999, 18% avg. Sorghum 81% ripe, 88% 1999, 59% avg.; 56% harvested, 49% 1999, 22% avg. Sugarcane 5% very poor, 15% poor, 36% fair, 38% good, 6% excellent; 22% planted, 39% 1999, 12% avg. Sugarcane farmers were planting. Sweet Potatoes 9% harvested, 17% 1999, 10% avg. Livestock 4% very poor, 15% poor, 39% fair, 36% good, 6% excellent. Vegetables 13% very poor, 38% poor, 36% fair, 13% good.

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**MARYLAND:** Days suitable for fieldwork 4.3. Topsoil 3% short, 87% adequate, 10% surplus. Subsoil moisture 1% very short, 5% short, 88% adequate, 6% surplus. Cucumbers 73% harvested, 73% 1999, 79% avg. Lima beans 40% harvested, 24% 1999, 18% avg. Snap Beans 72% harvested, 66% 1999, 71% avg. Soybeans 80% bloomed, 83% 1999, 83% avg.; 67% setting pods, 62% 1999, 59% avg.; 10% turned, 2% 1999, 2% avg. Sorghum 71% good, 29% excellent, 88% headed, 89% 1999, 87% avg. Tobacco 10% poor, 15% fair, 55% good, 20% excellent; 75% topped, 64% 1999, 78% avg.; 35% harvested, 23% 1999, 36% avg. Field corn 68% dough, 57% 1999, 57% avg.; 30% dent, 30% 1999, 28% avg.; 19% mature, 17% 1999, 9% avg.; 10% harvested for silage, 12% 1999, 9% avg. Sweet corn 82% harvested, 82% 1999, 73% avg. Potatoes 93% harvested, 82% 1999, 92% avg. Pasture feed 2% very poor, 2% poor, 7% fair, 68% good, 21% excellent. Corn 1% very poor, 1% poor, 6% fair, 42% good, 50% excellent. Soybean 3% very poor, 5% poor, 14% fair, 55% good, 23% excellent. Apple 19% fair, 61% good, 17% excellent; 13% harvested, 9% 1999, 9% avg. Peach 17% fair, 68% good, 15%

excellent; 66% harvested, 68% 1999, 67% avg. Cantaloupe 79% harvested, 79% 1999, 79% avg. Watermelons 50% harvested, 74% 1999, 72% avg. Tomatoes 60% harvested, 76% 1999, 70% avg. All hay supplies 1% very short, 4% short, 78% adequate, 17% Surplus. Percent of cutting hay crop harvest; 90% 2<sup>nd</sup> cutting clover, other hays cut, 89% 1999, 90% avg.; 38% 3<sup>rd</sup> cutting cut, 43% 1999, 34% avg.; 10% 4<sup>th</sup> cutting cut, 0% 1999, 3% avg. Alfalfa 70% 3<sup>rd</sup> cutting cut, 77% 1999, 70% avg.; 16% 4<sup>th</sup> cutting cut, 17% 1999, 14% avg. Activities: Weather conditions resulting in very slow maturation for corn, soybeans, concerned that late planted beans may not make it.

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**MICHIGAN:** Days suitable for fieldwork 5.0. Topsoil 4% very short, 17% short, 69% adequate, 10% surplus. Subsoil 3% very short, 23% short, 67% adequate, 7% surplus. All Hay 80% 2% very poor, 8% poor, 21% fair, 55% good, 14% excellent. Drybeans 6% very poor, 11% poor, 32% fair, 38% good, 13% excellent. All Hay 2nd cutting, 88% 1999, 90% avg.; 17% 3rd cutting, 32% 1999, 23% avg. Corn 94% silked, 100% 1999, 94% avg. Corn 62% milk, 93% 1999, 70% avg. Drybeans 97% blooming, 99% 1999, 94% avg.; 89% setting pods, 94% 1999, 82% avg. Soybeans 92% blooming, 100% 1999, 96% avg. Warm humid conditions predominated early week followed by cooler than normal weather for weekend. Crops look fair around State. Wet spring, cooler than normal temperatures affecting maturity. All crops behind 5-yr avg maturity at this time. Soybean aphids being seen for first time state. Western Lower Peninsula is being hit hardest also Saginaw county. Wet cool temperatures also causing some concern with late blight potatoes. Confirmed reports of late blight west central Lower Peninsula, conditions favorable statewide. District precipitation for week ranged from 0.08 inches northeast Lower Peninsula to 0.98 inches west central Lower Peninsula. Drought conditions remain northern Lower, Upper Peninsulas. Growing degree days (GDD) remain below average for much of the state, exceptions being eastern Upper Peninsula, northeast, west central Lower Peninsula which slightly above average. Field crops continue to look good overall, but cool temperatures slowed progress of some crops. Corn looked good, with early planted corn looking best, latest planted corn struggling to reach tasseling. Leaf rust, gray leaf spot, aphids, Japanese beetles, corn borers all a concern various fields. Soybeans still shorter than normal, with reports of soybean aphids Van Buren County. Hay harvest progressed well with variable conditions. Potato leafhoppers at threshold levels many fields with noticeable damage. Sugar beets looked real good, as spraying for leaf spot continued. Oats harvest continued. Wet humid condition caused a lot of white mold Dry beans. Cantaloupe harvest continued to increase. Carrot harvest continued. Cucumber harvest continued to progress with good yields, quality. Onions continued to size with some harvest activity. Sweet corn harvest continued with no serious problems. Potato harvest continued. Pepper harvest well underway with a very good fruit set. Pumpkins continued to size, color. Summer squash, zucchini harvests continued. Snap bean harvest continued with good yields, quality. Tomato harvest volume increased. Watermelon harvest volume continued to increase with no problems reported. Harvest of early apple varieties continued. Barlett pear harvest started southern counties. Peach harvest continued. Blueberry harvest continued with Rubel, Elliot varieties being harvested. Harvesting of Japanese plums continued while European plum varieties changing color. Fall raspberry harvest continued.

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**MINNESOTA:** Days suitable for fieldwork 4.8. Topsoil 4% very short, 23% short, 69% adequate, 4% surplus. Corn 96% milking, 95% 1999, 86% avg. Soybeans 3% turning yellow, 1% 1999, 2% avg. Rye 5% seeded, 1% 1999, 3% avg.; 89% harvested, 91% 1999, 92% avg. Sweet corn 42% harvested, 46% 1999, 38% avg. Winter Wheat 3% seeded, 1% 1999, 4% avg.; 91% harvested, 85% 1999, 88% avg. Canola 19% harvested, 7% 1999, NA avg. Potatoes 5% harvested, 3% 1999, 2% avg. Grain/hay 33% stubble plowed, 20% 1999, 16% avg. Pasture feed 2% very poor, 11% poor, 32% fair, 49% good, 6% excellent. Dry beans 8% very poor, 11% poor, 35% fair, 34% good, 12% excellent. Potatoes 3% very poor, 4% poor, 11% fair, 58% good, 24% excellent. Sunflowers 2% very poor, 3% poor, 20% fair, 65% good, 10% excellent. Canola 0% very poor, 1% poor, 16% fair, 64% good, 19% excellent. Sugarbeets 0% very poor, 3% poor, 24% fair, 46% good, 27% excellent. Below normal temperatures, much needed rain helped crop conditions improve. Although rain was widespread across the state, areas in the central portion were missed again, leading to areas of short to very short topsoil moisture. Hail accompanied the rain in Aitkin, Pine counties causing damage to crops. Redwood county sustained wind damage, causing some lodging of corn, soybeans. White mold is beginning to show on

soybeans in Renville county, on irrigated fields in Benton county. Small grain harvest was delayed in the Northwest, North Central Districts by scattered showers.

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**MISSISSIPPI:** Days suitable for fieldwork 6.9. Soil moisture 55% very short, 35% short, 10% adequate. Corn 98% dent, 100% 1999, 96% avg.; 5% very poor, 15% poor, 30% fair, 35% good, 15% excellent. Cotton 57% open bolls, 46% 1999, 33% avg.; 8% very poor, 14% poor, 35% fair, 35% good, 8% excellent. Rice 83% heading, 93% 1999, 92% avg.; 1% harvested, 2% 1999, 3% avg.; 5% poor, 23% fair, 65% good, 7% excellent. Sorghum 92% turning color, 89% 1999, 85% avg.; 2% very poor, 9% poor, 43% fair, 41% good, 5% excellent. Soybeans 23% shedding leaves, 30% 1999, 15% avg.; 9% very poor, 19% poor, 32% fair, 34% good, 6% excellent. Watermelons 87% harvested, 91% 1999, 92% avg.; Hay (warm-season) 72% harvested, 79% 1999, 81% avg. Cattle 5% very poor, 19% poor, 36% fair, 36% good, 4% excellent. Pasture 28%, very poor, 40% poor, 24% fair, 7% good, 1% excellent. Hot, dry conditions continue to be a concern across most of the state. Harvest is continuing on sorghum, corn with reports of above average yields being realized in some parts of the state.

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**MISSOURI:** Days suitable for fieldwork 5.7. Topsoil 13% very short, 30% short, 56% adequate, 1% surplus. Favorable weather in addition to the early planting season last spring is allowing crops to advance toward maturity ahead of schedule. The weekly precipitation averaged 0.92 inch, ranging from 0.11 inch in the southwest to 2.13 inches in the northwest. Over two-thirds of the corn, soybean, sorghum continue to be rated in good condition or better. Corn maturing ranges from 13% northeast to 56% southeast. Sudden Death Syndrome is showing up in some soybean fields in northern, east-central, southeastern areas, where heavy rainfall stressed soybeans early in May. Sorghum turning color varies from 22% east-central to 77% southeast. Alfalfa 81% 3rd crop is cut, 70% 1999, 63% avg. Pasture feeds 7% very poor, 18% poor, 41% fair, 32% good, 2% excellent.

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**MONTANA:** Days suitable for fieldwork 6.9. Topsoil 59% very short, 36% short, 5% adequate, 0% surplus. Subsoil moisture 57% very short, 37% short, 6% adequate, 0% surplus. Winter wheat 98% harvested, 80% 1999, 69% avg. Barley 97% turning, 94% 1999, 96% avg.; 90% ripe, 56% 1999, 65% avg.; 9% very poor, 30% poor, 32% fair, 25% good, 4% excellent. Spring Wheat 96% turning, 95% 1999, 97% avg.; 84% ripe, 59% 1999, 67% avg.; 9% very poor, 21% poor, 32% fair, 28% good, 10% excellent. Oats 96% turning, 93% 1999, 95% avg.; 88% ripe, 59% 1999, 64% avg.; 69% harvested, 27% 1999, 30% avg.; 6% very poor, 16% poor, 37% fair, 32% good, 9% excellent. Corn harvested 3% for silage, 5% 1999, 2% avg.; 0% very poor, 1% poor, 44% fair, 43% good, 12% excellent. Dry beans 2% harvested, 0% 1999, 1% avg.; 0% very poor, 4% poor, 54% fair, 32% good, 10% excellent. Potatoes 0% very poor, 3% poor, 15% fair, 46% good, 36% excellent. Sugar beets 0% very poor, 9% poor, 47% fair, 33% good, 11% excellent. Alfalfa hay 79% 2nd cutting, 56% 1999, 54% avg. Other hay 91% 1st cutting, 91% 1999, 92% avg. This week, conditions continued to be very hot, dry statewide. These conditions have led to crops maturing much faster than normal which has progressed harvest activity much quicker than average years for small grains. There are reports of grasshopper densities increasing in the eastern part of the state. There have been mixed reports regarding crop yields. Some areas are reporting above average yields despite the drought conditions. However, other areas are reporting either total crop loss or very low yields. Many producers are cutting their small grain crops for hay as a result of their crops being decimated by the dry conditions.

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**NEBRASKA:** Days suitable for fieldwork 6.6. Topsoil, subsoil moisture supplies were rated mostly very short. Temperatures for the week averaged 2 to 4° above normals west, near normals east. Precipitation was scattered across the State, ranged from traces to nearly 2.0 inches southeast. Corn 15% very poor, 14% poor, 28% fair, 33% good, 10% excellent; 87% in dough, 80% 1999, 65% avg.; 52% dented, 23% 1999, 16% avg.; 6% mature, none 1999 or avg. Soybeans 21% very poor, 25% poor, 30% fair, 19% good, 5% excellent; 96% setting pods, 88% 1999, 85% avg.; 20% colored, 1% 1999, 1% avg.; 9% dropped leaves, none 1999 or avg. Sorghum 20% very poor, 24% poor, 36% fair, 17% good, 3% excellent; 92% headed, 83% 1999, 84% avg.; 30% colored, 9% 1999, 8% avg. Alfalfa 74% 3rd cutting harvested, 57% 1999, 47% avg.; 30% very poor, 31% poor, 27% fair, 11% good, 1% excellent. Pasture, range

feed 48% very poor, 34% poor, 14% fair, 4% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Moving grain to market, irrigating, harvesting native hay, livestock care.

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**NEVADA:** Temperatures moderated somewhat North to near or a little below normal. Elko recorded a low temperature of 34° on August 20. Thundershowers in the east produced the only measurable precipitation. Lightning ignited additional range, forest fires northeast with over 540,000 acres burned to date this fire season. Drought continued to intensify, particularly in the eastern part of the State. Range water supplies continued to dry, irrigation water supplies diminish. Some livestock movement necessary due to the dryness. Irrigated crops remain in generally good condition. Third cutting of alfalfa progressing north. Some alfalfa seed fields hurt dry weather, bugs. Some new alfalfa fields planted. Other hay harvest mostly complete with some lighter yields in native grass hay. Winter wheat, spring wheat, barley harvests well along. Oats for grain harvest advancing, some oats continue to be cut for hay. Corn growing well. Potatoes in good condition. Garlic harvest underway. Onion harvest beginning. Cattle marketing remains active. Main farm, ranch activities: Alfalfa, other hay harvests, grain harvest, garlic harvest, irrigation, pest, weed control, livestock marketing.

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**NEW ENGLAND:** Days suitable for fieldwork: 5.0. Topsoil 1% very short, 12% short, 64% adequate, 23% surplus. Subsoil moisture 10% short, 74% adequate, 16% surplus. Pasture feed 6% very poor, 5% poor, 20% fair, 49% good, 20% excellent. Maine potatoes condition good to excellent. Rhode Island potatoes 35% harvested; 30% 1999; 15% avg.; condition good to excellent. Massachusetts potatoes 25% harvested, 35% 1999, 30% 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 50% harvested, 60% 1999, 55% avg.; condition good to fair. Shade tobacco 75% harvested, 80% 1999, 85% avg.; condition fair to good. Broadleaf tobacco 75% harvested, 80% 1999, 75% avg.; condition poor to very poor. Hay 95% 1st crop harvested, 100% 1999, 99% avg.; condition good to fair. Hay 65% harvested 2nd crop, 75% 1999, 70% avg.; condition good to fair. Third crop hay 15% harvested, 20% 1999, 20% avg.; condition good. Apples 5% harvested, 10% 1999, 10% avg. fruit size avg, condition good to fair. Peaches 55% harvested, 55% 1999, 50% avg, fruit size avg, condition good. Pears 5% harvested, 5% 1999, 5% avg, fruit size avg, condition good to fair. Cranberries fruit size avg, condition good to excellent. Highbush blueberries 85% harvested, 85% 1999, 80% avg.; fruit size avg, condition good. Wild Blueberries in Maine 60% harvested, 65% 1999, 70% avg, fruit size above avg to avg, condition good. Crops continues to mature slowly due to cool weather. Major farm activities included: Combining small grains, harvesting broccoli, blueberries, sweet corn, apples, peaches, plums, potatoes, applying fungicides, insecticides, preparing harvesting equipment, storages for potato harvest, cutting hay.

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**NEW JERSEY:** Days suitable for field work 4. Topsoil 39% adequate, 61% surplus. Corn 55% dough, 12% corn dent, 9% fair, 40% good, 51% excellent. Soybean 78% good, 22% excellent. 71% setting pods., Progress of cutting, baling hay was slowed by continued rainfall, wet field conditions. Leafhoppers continue to be a problem in some alfalfa fields. Northwestern areas of the state are still recovering from flooding rains from the previous week. Wet field conditions delayed harvest of summer vegetables in some areas. Fresh market tomatoes are rated in good to fair condition with continued reports of cracking, water damage from producers in some localities. Cloudy skies, damp conditions have also contributed to increased disease pressure in some cucumber, pumpkin, pepper fields. Potato harvest has fallen behind in some areas due to wet conditions. Peach harvest is progressing, with the crop rated in mostly good condition. Some orchards have reported problems with fruit splitting due to wet weather conditions. Apples remain in mostly good condition.

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**NEW MEXICO:** Days suitable for field work 6.4. Topsoil 33% very short, 31% short, 35% adequate, 1% surplus. The remnants of tropical storm Beryl brought some moisture to the state during the week. Some rain fell over all but the southeast section of the state. Heaviest rain fell from the central mountain chain northeastward into the Northeast plains. In spite of the clouds, precipitation, temperatures were still above normal, with a statewide average between 3 and 4° above normal. Farmers spent the week harvesting chile, alfalfa, corn for silage. Total sorghum 30% very

poor, 10% poor, 35% fair, 24% good, 1% excellent with 42% headed; 73% 1999, 46% 5-yr, 18% coloring; 4% 1999, 4% 5-yr. Onions declined slightly from last week in fair to excellent condition, with 95% of the crop harvested. Corn was in mostly fair to excellent condition, with 93% of the corn in the dough stage, 74% dented. The alfalfa condition was in mostly fair to excellent condition with the 4th cutting at 92% complete, the 5th cutting well underway. The cotton crop remained much the same as last week, reported in mostly fair to excellent condition with bolls opening at 15%. Chile was also in mostly fair to excellent condition, with green chile harvested at 36%. Scattered rains improved pasture, range feeds in some areas of the state, but other areas had to cull heavier than normal due to the drought conditions. Cattle, sheep conditions overall improved slightly from last week. The pasture, range feed 6% very poor, 45% poor, 37% fair, 12% good.

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**NEW YORK:** Days suitable 4.3. Soil moisture 54% adequate, 46% surplus. Pasture feed 7% fair, 77% good, 16% excellent. Corn 6% poor, 47% fair, 47% good. Soybeans 8% poor, 33% fair, 59% good. Hay 31% fair, 69% good. Alfalfa 70% 2<sup>nd</sup> cutting done, 96% 1999, 91% avg.; 20% 3<sup>rd</sup> cutting done, 52% 1999, 32% avg. Oats 44% harvested, 89% 1999, 75% avg. Potato harvest 9% complete. Apple harvest underway. Progress ranged up to 15% complete. Peach 70% harvest complete, pear 50% harvest complete. Grapes in Lake Erie region in good condition. Color change expected this week on Concord grapes. Pasture growth excellent due to timely rainfall. Hay quality poor in some regions. Vegetable harvesting gained momentum, although progress still behind average.

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**NORTH CAROLINA:** Days suitable for field work improved to 6.0 compared with 5.2 the previous week. The dog days of August dominated last week's weather with hot temperatures, isolated rains in the form of thunderstorms. Minimal damage, power outages were sustained after severe weather moved through the State on Friday. After this front moved through, cooler temperatures prevailed. Rainfall was slightly less scattered in the major crop growing areas along the Coastal Plain. Statewide, fields dried out only modestly as soil moisture slipped to the current rating of 5% very short, 19% short, 69% adequate, 7% surplus. The major activities involved: Tobacco topping, harvesting, marketing. Pest control for all crops has become a point of emphasis. Other activities included: Continued corn silage harvest, tending livestock, harvesting vegetables, cutting hay. Drier weather has limited the incidence of blue mold in tobacco.

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**NORTH DAKOTA:** Days suitable for fieldwork were 5. Topsoil 11% very short, 23% short, 56% adequate, 10% surplus. Subsoil moisture 9% very short, 19% short, 65% adequate, 7% surplus. Rain across the central, northeastern part of the state delayed harvest of small grains, while continued hot dry weather in the south, west progressed harvest. Crop development for durum wheat 92% turning, 58% 1999, 73% avg.; 23% combined, 8% 1999, 15% avg. Canola 92% swathed, 52% 1999, 28% combined, 9% 1999. Dry bean development 85% fully podded, 67% 1999, 80% avg.; 50% lower leaves yellowing, 34% 1999, 47% avg.; 19% mature, 12% 1999, 19% avg. Flaxseed 88% turning, 56% 1999, 66% avg.; 13% combined, 5% 1999, 7% avg. Potatoes 94% rows filled, 100% 1999, 99% avg.; 15% vines killed, 12% 1999, 12% avg. Durum wheat 3% very poor, 9% poor, 33% fair, 48% good, 7% excellent. Canola 3% very poor, 8% poor, 30% fair, 46% good, 13% excellent. Dry beans 10% very poor, 10% poor, 23% fair, 47% good, 10% excellent. Flaxseed 3% very poor, 7% poor, 24% fair, 53% good, 13% excellent. Potatoes 4% very poor, 11% poor, 20% fair, 45% good, 20% excellent. Pasture, range feeds 5% very poor, 11% poor, 29% fair, 49% good, 6% excellent. Stockwater supplies 3% very short, 9% short, 85% adequate, 3% surplus. Hay 84% of normal. Alfalfa 95% 2<sup>nd</sup> cutting was complete, while all other hay was 90% complete.

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**OHIO:** Days suitable for fieldwork 5.3 days. Topsoil 1% very short, 8% short, 80% adequate, 11% surplus. Summer apples 80% harvested; 85% 1999. Alfalfa hay 64% 3<sup>rd</sup> cutting; 72% 1999; 39% avg.; 4% fourth cutting; 9% 1999. Corn 79% in dough; 86% 1999; 59% avg. Corn 25% dented; 40% 1999; 14% avg. Corn 2% harvested for silage; 7% 1999; 2% avg. Cucumbers 72% harvested; 69% 1999. Other hay 89% 2<sup>nd</sup> cutting; 89% 1999; 84% avg.; 28% 3<sup>rd</sup> cutting; 34% 1999; 18% avg. Peaches 81% harvested; 74% 1999. Potatoes 33% harvested; 33% 1999; 27% avg. Processing tomatoes 7% harvested; 17% 1999; 9% avg. Soybeans

90% setting pods; 97% 1999; 80% avg. Soybeans 2% dropping leaves; 2% 1999; 0% avg. Tobacco 85% topped; 60% 1999, 17% harvested; 16% 1999. Corn 2% very poor, 5% poor, 18% fair, 48% good, 27% excellent. Hay 0% very poor, 3% poor, 20% fair, 59% good, 18% excellent. Pasture 0% very poor, 4% poor, 25% fair, 57% good, 14% excellent. Soybeans 4% very poor, 9% poor, 26% fair, 43% good, 18% excellent. Activities for the week included: Making hay; harvesting fruit, vegetables; seeding CRP filter strips; mowing weeds, pastures; fencing; repairing equipment, buildings; seeding alfalfa; applying lime, fertilizer; mowing wheat stubble; installing tile; constructing waterways; harvesting oats; hauling grain; detasseling seed corn; attending fairs. Reported weed pressures included Canadian thistle, wild carrot, giant ragweed, lambs quarter, foxtail, burdock, hemp dogbane. Reported insects were Japanese beetles, corn borers, mosquitoes, horse flies, blister beetles, leaf hoppers, aphids, slugs, spider mites, earworms, army worms. Reported diseases included root rot, blossom end rot in vegetables, rust on sweet corn, leaf blight, sclerotinia in soybeans, mildew, white, blue mold, grey wall on tomatoes. Fruit, vegetable conditions are fair to good throughout the state. A West Central district reporter mentioned that peaches are in excellent condition, apples are in good condition. In the Southeast district, producers are harvesting watermelons, tomatoes, sweet corn, cucumbers, peppers. Growers in the Northwest district are harvesting melons, tomatoes, squash, cabbage, zucchini for markets. Continued rainfall in northern state has caused problems with diseases, weeds for fruit, vegetable growers. Pasture, grass conditions were reported 71% good to excellent. Last year at this time, pasture, grass were only rated 15% good to excellent. Livestock conditions are good to excellent throughout the state. In the Northwest district, livestock are under minor stress due to extreme fluctuations in the weather.

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**OKLAHOMA:** Days suitable for fieldwork 6.8. Topsoil 25% very short, 60% short, 15% adequate. Subsoil moisture 14% very short, 48% short, 38% adequate. Wheat 46% seedbed prepared, 37% last week, 35% 1999, 37% avg. Oats 46% seedbed prepared, 35% last week, 24% 1999, 21% avg. Rye 43% seedbed prepared, 38% last week, 39% 1999, 30% avg. Corn 5% very poor, 11% poor, 15% fair, 67% good, 2% excellent, 88% dough, 84% last week, 90% 1999, 96% avg.; 36% mature, 26% last week, 10% 1999, 15% avg. Soybeans 7% very poor, 12% poor, 30% fair, 48% good, 3% excellent, 90% blooming, 83% last week, 80% 1999, 89% avg.; 70% setting pods, 58% last week, 66% 1999, 68% avg. Peanuts 89% setting pods, 86% last week, 91% 1999, 91% avg.; 3% mature, 1% last week, 0% 1999, 1% avg. Alfalfa Hay 2% very poor, 11% poor, 33% fair, 48% good, 6% excellent, 92% 3<sup>rd</sup> cutting, 88% last week, 95% 1999, 88% avg.; 48% 4<sup>th</sup> cutting, 36% last week, 31% 1999, 23% avg. Other Hay 3% very poor, 10% poor, 34% fair, 46% good, 7% excellent, 61% 2<sup>nd</sup> cutting, 54% last week, 44% 1999, 42% avg. Watermelons 94% harvested, 87% last week, 78% 1999, 77% avg. Livestock 3% poor, 22% fair, 68% good, 7% excellent; Cattle marketings avg. Feeder steer prices steady to \$1.00 per cwt. higher, heifer prices steady to \$1.00 per cwt. lower than last week.

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**OREGON:** Days suitable for fieldwork 7. Topsoil 22% very short, 55% short, 23% adequate. Subsoil 14% very short, 55% short, 31% adequate. Barley 68% harvested, 50% 1999, 55% avg.; 18% poor, 48% fair, 15% good, 19% excellent. Spring wheat 56% harvested, 74% 1999. Winter wheat 87% harvested, 86% 1999, 84% avg. Range, pasture 3% very poor, 20% poor, 34% fair, 37% good, 6% excellent. Activities: Most counties reported winter wheat, barley harvest near completion. In north-west region grass seed harvested in addition to mint, sugar beets. Red clover seed, early hop variety should begin harvest soon. Haying continued in south-west region. Grain harvest began in north-east region with good yields reported. South-east region harvested grains, rye, began 3<sup>rd</sup> cutting of hay. Malheur county reported start of onion, potato harvest with yields looking good. Irrigation main activity at most nurseries. Greenhouses planning, preparing for fall plants. Some Easter lily fields being irrigated, some Easter lily growers preparing for harvest, some scaling (bulbs lifted from fields, fleshy scales removed, treated, planted) in progress. In Willamette Valley, most processed vegetables being harvested. Green beans, sweet corn, table beets harvest moving along without interruption. Salad vegetables, other fresh vegetables in abundance. Cucumber picking had started, some varieties of tomatoes ripe. Jackson County reported lots of vegetables for sale at u-pick, roadside stands. Lots of irrigation needed to keep up quality. In eastern state potato, onion harvest had started with early potato yields varied, onion yields good. Harvest of carrots, lima beans had started in Umatilla County. In Willamette Valley, Evergreen blackberry, blueberry picking

continued, also apple, peach harvest. Hazelnut orchard floor preparations ongoing. Strawberry field renovation, cane trimming in raspberry & Marion blackberry fields other major activities. In southern state, Bartlett pear harvest in full swing. Bartlett pear harvest also underway in Hood River Valley. Livestock condition remains mostly good to excellent. Range, pasture feeds rated from very poor to good. Best conditions are at high elevation rangeland in Jackson, Klamath Counties. Western State pastures are well into summer dormancy making supplemental hay feeding a necessity.

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**PENNSYLVANIA:** Days suitable for field work 4.6. Soil moisture 3% short, 92% adequate, 5% surplus. Fall 10% plowing complete, 14% 1999, 13% avg. Corn 85% silk complete, 95% 1999, 94% avg.; 62% dough complete, 56% 1999, 55% avg.; 18% dent complete, 21% 1999, 13% avg.; 4% poor, 10% fair, 47% good, 39% excellent, 2% poor, 8% fair, 43% good, 47% excellent. Oats 86% ripe, 98% 1999, 96% avg.; 73% harvested complete, 89% 1999, 78% avg. Potatoes 19% harvested complete, 22% 1999, 16% avg. Tobacco 10% harvested complete, 4% 1999, 18% avg. Apples 19% harvested complete, 20% 1999, 19% avg.; 5% very poor, 4% poor, 10% fair, 74% good, 7% excellent. Peaches 77% harvested complete, 58% 1999, 57% avg. Alfalfa 88% 2nd cutting complete, 95% 1999, 90% avg.; 55% 3rd cutting complete, 59% 1999, 50% avg.; 9% 4th cutting complete, 16% 1999, 11% avg. Timothy clover 56% 2nd cutting complete, 57% 1999, 61% avg. Quality of hay made 1% very poor, 15% poor, 32% fair, 46% good, 6% excellent. Activities include: Harvesting small grains, vegetables, potatoes, tobacco, apples, peaches; fixing fences; machinery maintenance; filling silos; spreading lime, fertilizers; repairing buildings; hauling, spreading manure; caring for livestock; baling straw; making hay, haylage; trimming brush, spraying crops; attending county fairs.

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**SOUTH CAROLINA:** Days suitable for field work 6.4. Soil moisture 5% very short, 40% short, 54% adequate, 1% surplus. Apples 10% harvested, 8% 1999, 11% avg.; 93% fair, 7% good. Cantaloups 100% harvested, 100% 1999, 99% avg. Corn 99% doughed, 100% 1999, 100% avg.; 87% matured, 89% 1999, 87% avg.; 29% harvested, 35% 1999, 31% avg.; 18% very poor, 27% poor, 33% fair, 20% good, 2% excellent. Cotton 86% bolls set, 91% 1999, 92% avg.; 6% bolls opened, 6% 1999, 8% avg.; 2% very poor, 9% poor, 42% fair, 45% good, 2% excellent. Hay 93% harvested, NA 1999, NA avg. Livestock 4% poor, 31% fair, 52% good, 13% excellent. Peaches 89% harvested, 94% 1999, 95% avg. Peanuts 95% pegged, 95% 1999, 81% avg.; 1% very poor, 2% poor, 44% fair, 48% good, 5% excellent. Pecans 33% poor, 67% fair. Sorghum 87% headed, 87% 1999, 86% avg.; 65% turned color, 70% 1999, 72% avg.; 35% matured, 39% 1999, 40% avg.; 10% harvested, 12% 1999, 16% avg.; 28% very poor, 21% poor, 35% fair, 16% good. Soybeans 66% bloomed, 79% 1999, 79% avg.; 43% pods set, 37% 1999, 42% avg.; 6% turned color, 5% 1999, 5% avg.; 3% very poor, 12% poor, 33% fair, 50% good, 2% excellent. Sweetpotatoes 2% harvested, 3% 1999, 3% avg.; 6% poor, 40% fair, 54% good. Tobacco 70% harvested, 69% 1999, 70% avg.; 23% stalks destroyed, 26% 1999, 22% avg.; 4% poor, 30% fair, 59% good, 7% excellent.

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**SOUTH DAKOTA:** Days suitable for field work 6.0. Topsoil 17% very short, 31% short, 47% adequate, 5% surplus. Subsoil moisture 18% very short, 30% short, 47% adequate, 5% surplus. Feed supplies 1% very short, 14% short, 75% adequate, 10% surplus. Stock water supplies 13% very short, 25% short, 57% adequate, 5% surplus. Winter Rye 0% planted, 1% 1999, 2% avg. Winter Wheat 2% planted, 1% 1999, 1% avg. Corn 5% mature, 0% 1999, 3% avg. Soybeans 98% blooming, 99% 1999, 97% avg. Corn 6% silage harvested, 1% 1999, 1% avg.; 0% mature, 0% 1999, 0% avg. Sorghum 3% mature, 0% 1999, 0% avg.; 11% silage harvested, 1% 1999, 1% avg. Sunflower 3% very poor, 12% poor, 24% fair, 46% good, 15% excellent, 96% blooming, 85% 1999, 87% avg.; 34% flowers dry, 26% 1999, 24% avg.; 17% bracts yellow, 23% 1999, 16% avg.; 0% mature, 0% 1999, 1% avg. Alfalfa hay 9% very poor, 15% poor, 31% fair, 36% good, 9% excellent. Alfalfa hay 2<sup>nd</sup> cutting harvested, 87% 1999, 86% avg. Alfalfa hay 43% 3rd cutting harvested, 28% 1999, NA% avg. Other hay 92% harvested, 88% 1999, NA% avg. Cattle 1% poor, 11% fair, 66% good, 22% excellent. Sheep 12% fair, 62% good, 26% excellent. Small grain harvest nears completion with spring wheat 97% harvested. Row crops continue to develop ahead of avg. Low amounts of precipitation have livestock producers concerned about water supplies, but animals remain mostly in good to excellent condition. Soil

moisture conditions remain almost unchanged from last week as precipitation was scattered.

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**TENNESSEE:** Days suitable for fieldwork 6. Topsoil 25% very short, 40% short, 34% adequate, 1% surplus. Subsoil moisture 23% very short, 42% short, 35% adequate. Pastures 10% very poor, 25% poor, 37% fair, 25% good, 3% excellent. Tobacco 85% topped, 86% 1999, 75% avg.; 4% very poor, 7% poor, 24% fair, 51% good, 14% excellent. Burley 34% harvested, 36% 1999, 24% avg. Dark air-cured 33% harvested, 40% 1999, 27% avg. Dark fire-cured 30% harvested, 39% 1999, 26% avg. Corn silage 57% harvested, 55% 1999, 36% avg. Most areas of the State received on average only a quarter inch of rain last week with many areas receiving none. This coupled with above normal temperatures across the State made for a difficult week. Crops in some areas are showing signs of stress with the threat of decreased potential in production, while other areas benefitted from periodic rain showers. Last week's heat, dry conditions sapped soil moisture, resulted in overall decline in crop conditions. However, the dry conditions allowed corn for grain harvest to begin, while tobacco harvest continued to progress ahead of the 5 yr avg. Water is being hauled in some areas due to streams, creeks drying up. Herbicide applications are still being made to soybeans due to late weed problems.

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**TEXAS:** Scattered showers associated with tropical storm Beryl crossed portions of South, South Central State early in the week however, little if any relief was received from the dry conditions. A few widely scattered showers crossed portions of the Plains, but elsewhere the dry conditions with extreme heat continued to deepen the drought. The high temperatures continued to stress, hasten maturity of the remaining dry land crops, in many areas irrigated crops were suffering as remaining water supplies were short or already depleted. Zeroing out of some crops continued in varied locations, land preparation for fall planting remained on hold in many areas. High daytime temperatures, dormant pastures continued to lower body condition of livestock, require additional supplemental feeding. In some areas sheep have resorted to eating prickly pear apples as part of their diet. Hauling water to livestock, herd reduction continued to expand especially in the dyer areas. Damage from insect populations continued to expand in many areas and in a few locations Oak, Pine trees were dying as a result of the dry conditions. Harvest of Sunflowers began on the Plains. Field Crops: Small Grains: Land preparation for fall planting continued in some locations but generally slowed or halted as dry conditions prevailed in most areas. Fall planting will most likely be delayed in most dry land areas if moisture is not received soon. Corn: Irrigated corn continued to make good progress across most portions of the Plains. Harvest continued to wind down in Southern, Central areas as the dry conditions hastened maturity. In a few of the drier areas the corn crop was considered a failure. Yields remained variable in all locations as a result of the dry conditions. State wide corn 81% of normal compared with 86% 1999. Corn mature 59% Published, 56% 1999, 58% average.; 49% harvested, 44% 1999, 4% avg. Cotton: The dry conditions continued to enhance the maturity rate of dryland cotton across the state. The development of dryland cotton remained unchanged, production may be effected in many locations across the Plains. Insect populations continued to remained high in many locations. Harvest activities continued to move northward as conditions for harvest were reached, stalk destruction continued in harvested fields. State wide cotton 62% of normal compared with 66% 1999. Cotton 10% harvested Published, 6% 1999, 9% avg. Rice: Harvest continued but was winding down in areas of South Central State, Upper Coastal areas. Drying down continued in later planted rice, 2nd cutting may be curtailed in some areas due to the cost of water. State wide rice 95% of normal compared with 95% 1999. Sorghum: Harvesting continued to move northward from the central areas, however general conditions remained unimproved, in some locations sorghum was extremely dry, production was minimal. State wide sorghum 56% of normal compared with 76% 1999. Sorghum mature 60% Published, 53% 1999, 57% avg.; 55% harvested, 48% 1999, 50% avg. Peanuts: Progress continue on the Plains as well as other locations where irrigation was available, however dryland peanuts remained in serious drought conditions, in some areas will not be harvested. State wide peanut 62% compared with 80% 1999. Peanuts pegging 97% Published, 92% 1999, NA Avg. Soybeans: Irrigated soybeans made fair to good progress across the Plains, however dryland soybeans continued to suffer in most other areas. Harvest continued in South Central, Costal areas of the state where conditions were favorable for harvest. Commercial Vegetables, Fruit, Pecans Rio Grande Valley, preparation for fall planting continued. Some moisture from tropical storm Beryl provided

relief from the dry conditions. Watermelon harvest was mostly completed. San Antonio-Winter Garden, Land preparation for fall planting's continued but slowed as the dry conditions continued. Water available for pepper production was extremely short in some locations, production may be effected. East State Sweet potatoes continued to make fair to good progress in some areas but, moisture is needed prior to harvest so that filling out can will be complete. Insect populations continued to be high. High Plains, Carrot harvest continued to slow, green bean harvest continued to expand. Pecans: Pecans continued to make good to fair progress in most areas of the state. Nut drop continued in the dryer areas, especially where irrigation was marginal or not possible and in some of the drier areas there may not be a crop this year. Irrigation from the Nueces River was halted until further notice. Range, Livestock: Conditions for range, pasture, livestock continued to decline as the drought continued across the state. Supplemental feeding continued to increase for the remaining herds, hauling water remained necessary for some producers. In some areas as a result of the drought; death of woody plants, brush has occurred which caused difficulty for some sheep, goat ranchers, in some areas large oak, pine trees are now dying as the drought continues. Damage from insect populations continued in many locations across the state.

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**UTAH:** Days suitable for field work 7. Topsoil 38% very short, 37% short, 25% adequate. Subsoil moisture 37% very short, 37% short, 26% adequate. Winter wheat 92% harvested, 77% 1999, 81% avg.; 35% poor, 41% fair, 24% good. Spring wheat 77% harvested, 72% 1999, 73% avg. Barley 87% harvested for grain, 76% 1999, 73% avg. Oats harvested 58% for grain, 50% 1999, 52% avg. Corn tasseled 85% (silked), 86% 1999, 81% avg.; Corn 24% in dough stage, 15% 1999, 15% avg.; 88 height inches, 82 inches 1999, 75 inches avg. Alfalfa hay 40% 3rd cutting, 18 % 1999, 27 % avg. Peaches 31% picked, 27% 1999, 37% avg. Range, pasture 18% very poor, 41% poor, 31% fair, 10% good. Irrigation water supplies 34% very poor, 37% short, 29% adequate. Stock water supplies 16% very short, 41% short, 43% adequate. Major farm, ranch activities included: Harvesting alfalfa, grass hay, small grains, peaches. Problems with thrips in onions, mites in corn. Fields are being prepared for fall grain planting. Some ranchers are removing livestock from summer ranges early, others preparing to due to poor range feeds, fires. Scattered showers providing little relief from the drought.

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**VIRGINIA:** Days suitable for fieldwork 5.1. Topsoil 11% short, 70% adequate, 19% surplus. Subsoil moisture 14% short, 71% adequate, 15% surplus. Pastures 1% poor, 10% fair, 64% good, 25% excellent. Livestock 5% fair, 73% good, 22% excellent. Other Hay 1% poor, 10% fair, 63% good, 26% excellent. Alfalfa Hay 1% poor, 9% fair, 58% good, 32% excellent. Corn for Grain 4% fair, 48% good, 48% excellent, 96% Silked, 100% 1999, 95% 5-yr avg.; 66% dough, 72% 1999, 64% 5-yr avg.; 40% dent, 46% 1999, 39% 5-yr avg.; 18% mature, 19% 1999, 17% 5-yr avg.; silage 7% harvested, 14% 1999, 9% 5-yr avg. Soybeans 1% very poor, 5% poor, 13% fair, 48% good, 33% excellent, 80% blooming, 65% 1999, 72% 5-yr avg.; 53% setting pods, 40% 1999, 47% 5-yr avg. Flue-cured tobacco 9% fair, 45% good, 46% excellent, 28% harvested, 27% 1999, 29% 5-yr avg. Burley tobacco 3% very poor, 14% poor, 21% fair, 50% good, 12% excellent, 8% harvested, 11% 1999, 6% 5-yr avg. Dark Fire-cured tobacco 2% fair, 65% good, 33% excellent. Dark Fire-cured tobacco 30% harvested, 32% 1999, 27% 5-yr avg. Sun tobacco 45% good, 55% excellent, 50% harvested, 8% 1999, 18% 5-yr avg. Peanuts 16% fair, 59% good, 25% excellent. Cotton 9% fair, 69% good, 22% excellent, 99% setting bolls, 97% 1999, 99% 5-yr avg.; 1% bolls opening, 4% 1999, 17% 5-yr avg. Summer Potatoes 98% harvested, 99% 1999, 100% 5-yr avg. Apples 36% fair, 54% good, 10% excellent. Summer apples 96% harvested, 80% 1999, 68% 5-yr avg. Peaches 83% harvested, 64% 1999, 67% 5-yr avg. Cooler than normal temperatures prevailed across the Commonwealth last week. However some farmers could not get into their fields due to extremely wet conditions. Hay harvest continues as weather permits. Vegetable harvest continues but the quality is low where fields are too wet. Fall planting of snap beans, cucumbers was delayed again in areas where farmers could not get into the field. Growers continue to scout cotton, soybeans for insects. Other activities for the week include: Getting equipment ready for row crop harvesting, attending field days, harvesting tobacco, chopping corn silage.

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**WASHINGTON:** Days suitable for fieldwork 6.7. Topsoil 22% very short, 52% short, 26% adequate. Subsoil moisture 4% very short, 63% short, 33% adequate. Winter wheat 90% harvested, 60% 1999, 71% avg. Most

of the winter wheat had been harvested by the conclusion of last week. Producers were preparing for fall planting, but had some concerns about the low level of moisture. Spring wheat dryland 5% poor, 33% fair, 55% good, 7% excellent; irrigated, 100% good, 69% harvested, 30% 1999, 51% avg. Barley dryland 2% poor, 32% fair, 54% good, 12% excellent; irrigated 100% good, 70% harvested, 25% 1999, 50% avg. Spring cereal grain harvest continued in full swing. Hot, dry conditions continued to produce extremely high fire danger, although cooler temperatures were helpful last week. Potatoes 3% fair, 94% good, 3% excellent, 24% harvested, 20% 1999, 17% avg. Alfalfa hay 98% 2nd cutting, 100% 1999, 98% avg.; 62% 3rd cutting, 78% 1999, 56% avg. Hay, roughage 60% adequate, 40% surplus. Range, Pasture 2% very poor 34% poor, 49% fair, 15% good. Range, pastures continued to struggle due to the lack of moisture, but was benefitted by cooler temperatures. Rain fell in western state that relieved some drought stress. Second, third cutting of hay continued with second nearing the end. The second cutting of timothy hay was also being harvested last week as was corn silage harvest underway. All non irrigated crops were showing signs of stress due to the lack of moisture. Blueberry growers were taking advantage of the cool early morning temperatures to harvest the remaining berries. Cannery pea harvest was coming to a close, sweet corn harvest was begun. Early varieties of apples, peaches, nectarines were being picked, the later varieties of apples, pears were sizing up nicely.

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**WEST VIRGINIA:** Days suitable for fieldwork 3.9. Topsoil 2% short, 89% adequate, 9% surplus Producers were busy topping tobacco, working around rain to make hay. Hay 1% poor, 20% fair, 61% good, 18% excellent; Hay 65% 2<sup>nd</sup> cut, 60% 1999, 68% 5-yr avg.; 13% 3<sup>rd</sup> cut, 13% 1999, 20% 5-yr avg. Corn 29% fair, 57% good, 14% excellent; 90% silked, 94% 1999, 90% 5-yr avg.; 37% doughing, 70% 1999, 52% 5-yr avg.; 12% denting, 16% 1999, 10% 5-yr avg. Soybean 32% fair, 61% good, 7% excellent; 89% blooming, 95% 1999, 91% 5-yr avg.; 39% setting pods, 73% 1999, 71% 5-yr avg. Oats 88% harvested, 80% 1999, 86% 5-yr avg. Tobacco 8% poor, 44% fair, 46% good, 2% excellent; 80% topped, 33% 1999, 69% 5-yr avg. Apple 48% fair, 43% good, 9% excellent. Peach 16% poor, 60% fair, 16% good, 8% excellent. Cattle 1% poor, 21% fair, 65% good, 13% excellent. Sheep 6% fair, 73% good, 21% excellent.

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**WISCONSIN:** Days suitable for fieldwork 4.4. Cool temperatures were still lurking in state last week. Most temperatures throughout the state did not even reach 90°. Excessive moisture was a problem in Northern State. Parts of Barron County got over 5 inches of rain in 6 days, as well as damaging hail. Heavy rains, strong winds hit central counties, but the southern counties that were asking for a soaking rain did not receive it. Soil moisture 3% very short, 16% short, 73% adequate, 8% surplus. 3rd 57% crop hay complete, 41% 1999. 27% for the 5-yr avg. Hay conditions were noted good. Aphids were still a problem in some fields. Pasture feed 4% very poor, 10% poor, 34% fair, 46% good, 6% excellent. Tobacco crop appeared good in Rock County. Harvest of early variety apples has begun.

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**WYOMING:** Days suitable for fieldwork 6.8. Topsoil 50% very short, 42% short, 8% adequate. Barley 94% mature, 79% 1999, 82% avg.; 58% harvested, 63% 1999, 54% avg.; 6% poor, 40% fair, 50% good, 4% excellent. Oats 91% turning color, 88% 1999, 92% avg.; 73% mature, 60% 1999, 68% avg.; 54% harvested, 29% 1999, 35% avg.; 15% poor, 40% fair, 39% good, 6% excellent. Spring wheat 92% mature, 66% 1999, 72% avg.; 62% harvested, 54% 1999, 35% avg.; 22% poor, 45% fair, 30% good, 3% excellent. Corn 79% milk, 77% 1999, 72% avg.; 38% dough, 39% 1999, 37% avg.; 1% dent, 4% 1999, 2% avg.; 1% very poor, 3% poor, 10% fair, 84% good, 2% excellent. Dry beans setting 81% pods, 95% 1999, 93% avg.; 23% turning color, 54% 1999, 31% avg.; 1% poor, 14% fair, 80% good, 11% excellent. Sugarbeets 2% poor, 14% fair, 71% good, 13% excellent. Alfalfa 75% 2nd cutting, 54% 1999, 52% avg.; 3% 3rd cutting, 2% 1999, 1% avg. Other hay 95% harvested, 80% 1999, 82% avg. Range, pasture feed 24% very poor, 44% poor, 27% fair, 5% good. Irrigation water supplies 29% very short, 33% short, 38% adequate. Cooling trend brings some relief.