

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 6.2. Topsoil 52% very short, 36% short, 12% adequate. Corn 27% silked, 29% 1999, 25% avg.; 31% very poor, 23% poor, 33% fair, 13% good. Wheat 60% harvested, 48% 1999, 45% 5yr avg.; 1% very poor, 7% poor, 34% fair, 54% good, 4% excellent. Hay 85% Harvested, 86% 1999, 82% avg. Pasture feed 30% very poor, 24% poor, 28% fair, 18% good. Livestock 5% very poor, 12% poor, 28% fair, 52% good, 3% excellent. State needs rain, lot of it!

ALASKA: Days suitable for fieldwork 6.6. Topsoil 40% short, 60% adequate. Subsoil moisture 20% short, 80% adequate. Scattered showers in the south caused producers some delays, while producers in the interior labored under mostly dry conditions. Daytime high temperatures were mostly in the seventies. Lows were mostly in the forties. Barley 95% emerged, 93% 1999, 98% avg.; 80% avg.; 20% above avg. Oats 65% emerged, 84% 1999, 96% avg.; 5% below avg.; 80% avg.; 15% above avg. Average height of small grains, 3.8". Potatoes 95% planted, 96% 1999, 99% avg.; 10% emerged, 3% 1999, 14% avg. Hay 30% below avg.; 65% avg.; 5% above avg. Vegetable condition, average, though more heat is needed for the crop. Crop growth, 30% slow, 55% moderate, 15% fast. Wind, rain damage to new plantings, 95% none, 5% light. Major farming activities for the week included: Fertilizing hay fields, planting potatoes, small grains, transplanting vegetables, irrigating vegetable, hay, potato fields. Some first crop hay has been cut.

ARIZONA: Area continued to record well above average temperatures with very light precipitation during the week of June 11. Range, Pasture feeds continue to worsen with high temperatures, lack of rain. Livestock were reported in poor to fair condition with heavy supplemental feeding reported. Warm temperatures have helped small grains to mature allowing the harvest to be well underway. The lack of precipitation, warm temperatures have had little impact on cotton, alfalfa due to irrigation.

ARKANSAS: Days suitable for fieldwork: 6.0. Soil moisture, 19% short, 70% adequate, 11% surplus. Rice 99% planted, 100% 1999, 100% 5 yr. avg.; 96% emerged 98% 1999, 97% 5 yr avg.; rice 1% very poor, 4% poor, 21% fair, 64% good, 10% excellent. Sorghum 95% planted, 98% 1999 and 99% 5 yr. avg.; 94% emerged, 96% 1999, 96% 5 yr avg.; 1% very poor, 2% poor, 22% fair, 70% good, 5% excellent. Cotton 100% planted, 100% 1999, 100% 5 yr avg.; 99% emerged, 100% 1999, 100% 5 yr avg.; 6% very poor, 16% poor, 36% fair 40% good, 2% excellent. Soybean 71% planted, 69% 1999, 67% 5 yr avg.; 55% emerged, 54% 1999, 54% 5 yr avg.; 2% very poor, 5% poor 29% fair, 51% good, 13% excellent. Corn 1% poor, 21% fair, 60% good, 18% excellent.; Wheat 54% harvest, 36% 1999, 27% 5 yr avg.; 1% very poor, 5% poor, 29% fair, 50% good, 15% excellent. Alfalfa Hay 1% very poor, 2% poor, 26% fair, 51% good, 20% excellent; Other Hay 1% very poor, 1% poor, 27% fair, 56% good, 15% excellent. Pasture, Range feeds 1% very poor, 3% poor, 18% fair, 63% good, 15% excellent. Soybean, sorghum planting continued. Rice, cotton planting was near completion. Cotton, corn, sorghum were being cultivated. Wheat harvest continued. Soybeans, rice were being sprayed with herbicides to control weeds. Some cotton fields were being sprayed for thrips. Many rice farmers were fertilizing, flooding their fields. Other activities included: Fertilizing, liming, applying weed control to pastures, as well as, harvesting hay. Livestock were in good condition. Cattle were being treated for horn flies, internal parasites 1/Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Wheat and barley fields were being harvested. Corn crops exhibited normal growth and development. Early planted crops were showing good progress and most fields were being fertilized through irrigation systems. Later corn plantings were under cultivation, being irrigated as needed. Some corn fields required weed treatments. Mite spraying was underway in corn, cotton fields. Ideal growing conditions prevailed. Cotton was beginning to square. However, cotton growth was slowed by cool, wet weather in some areas. Alfalfa stands were on second, third cuttings. Dried hay was being baled, stacked. There were occasional reports of rain damage to hay that was on the ground. Seed alfalfa fields continued to bloom. Sunflowers were growing rapidly, beginning to bloom. Rice plantings continued to emerge. Many rice fields were treated for weeds, weevils. Sugarbeet harvest continued. Dry bean planting continued, with early plantings still emerging. Orchards, vineyards were irrigated, treated with herbicides and fungicides. Cherry harvest continued. Almond growers were tying limbs that were breaking under the stress of the heavy nut set. Grape vineyards were treated for mildew, leafhoppers. Harvest of grapes for fresh consumption was active in the Coachella Valley. Perlette, Thompson Seedless, Flame Seedless were the main varieties. Harvest of Patterson variety apricots was active. Crimson Lady, Crown Princess variety freestone peaches, Rose Diamond, Royal Glo nectarines, and Early Queen plums were actively harvested. Olives were thinned. Picking of grapefruit was active in the San Joaquin Valley. Lemon crop harvest was active in southern state. The harvest of Valencia oranges progressed in the desert areas, in the San Joaquin Valley. New crop citrus was experiencing June drop. Strawberry picking was active. Fresh market, processing tomatoes continued to be planted. Previously planted tomatoes were enjoying good growth. A few tomato fields were sprayed for aphids, worms. Temperatures from the high 80's to low 90's in many areas created ideal weather conditions for vegetable growth, production. However, cool mornings in some areas did slow growth. Most early planted vegetables such as eggplant, peppers, string beans, bitter melons in hot houses were blooming, setting fruit. A few assorted peppers were already being harvested. Squash was being picked. Cucumber quality remained good, harvest was progressing normally. Red onion harvest was gaining momentum. Artichoke harvest was complete in most areas. Melons were sizing well, vines were growing rapidly. Occasional melon fields were treated for aphids. Additional vegetables harvested included: Cabbage, carrots, celery, green beans, lettuce, garlic, onions, turnips, watermelons. Movement of cattle from foothill pastures continued, but was winding down in some areas. Cattle were moving to market or to summer pastures. Rain benefitted summer pastures, both in the valley, higher elevations, but was too late to help foothill rangeland. Cooler than normal temperatures continued to slow growth of higher elevation summer pastures.

COLORADO: Days suitable for fieldwork 6.9. Topsoil 27% very short, 40% short, 33% adequate, 0% surplus. Subsoil moisture 24% very short, 36% short, 40% adequate, 0% surplus. The prolonged period of high temperatures, limited moisture is beginning to have adverse effects on dryland crops. Winter wheat is heat stressed, yield prospects are declining. Spring barley 33% headed, 32% 1999, 32% avg.; 2% very poor, 6% poor, 17% fair, 55% good, 20% excellent. Dry onions 2% very poor, 5% poor, 20% fair, 52% good, 21% excellent. Sugar beets 99% up to stand, 97% 1999; 2% very poor, 7% poor, 19% fair, 48% good, 24% excellent. Summer potatoes 99% emerged, 97% 1999, 94% avg.; 1% very poor, 4% poor, 11% fair, 61% good, 23% excellent. Fall potatoes 77% emerged, 44% 1999, 39% avg.; 2% poor, 9% fair, 82% good, 7% excellent. Dry beans 63% planted, 75% 1999, 58% avg.; 29% emerged,

37% 1999, 23% avg. Spring wheat 20% headed, 24% 1999, 17% avg.; 1% very poor, 7% poor, 18% fair, 59% good, 15% excellent. Alfalfa 50% 1st cutting, 42% 1999, 33% avg.

DELAWARE: Days suitable for fieldwork 4.5. Topsoil 8% short, 85% adequate, 7% surplus. Subsoil moisture 93% adequate, 7% surplus. Winter wheat 1% poor, 11% fair, 77% good, 11% excellent; 43% turned, 63% 1999, 41% avg. Barley 3% poor, 16% fair, 73% good, 8% excellent; 32% harvested, 36% 1999, 20% avg. Snap Beans 58% planted, 64% 1999, 43% avg. Sweet corn 68% planted, 79% 1999, 81% avg. Cucumbers 49% planted, 36% 1999, 42% avg. Tomatoes 90% planted, 84% 1999, 78% avg. Watermelons 70% planted, 77% 1999, 78% avg. Cantaloupes 70% planted, 76% 1999, 72% avg. Soybeans 35% planted, 39% 1999, 39% avg.; 18% emerged, 36% 1999, 12% avg. Sorghum 60% planted, 52% 1999, 39% avg. Strawberries 76% harvested, 66% 1999, 69% avg. Pasture feed 15% fair, 78% good, 7% excellent. Corn 3% poor, 22% fair, 62% good, 13% excellent. Soybean 1% very poor, 3% poor, 18% fair, 64% good, 14% excellent. Apple 10% fair, 81% good, 9% excellent. Peach 10% fair, 80% good, 10% excellent. Hay supplies 28% short, 72% adequate. Percent of cutting hay crop harvest; clover, other hays, 1st cutting 84% cut, 85% 1999, 87% avg; 2nd cutting 25% cut, 8% 1999, 9% avg. Alfalfa 1st cutting 91% cut, 87% 1999, 87% avg.; 2nd cutting 12% cut, 19% 1999, 6% avg. Activities: Warm, dry weather allowed for continued planting, very hot over the weekend.

FLORIDA: Southern areas again received significant showers. Dade County received about 6.00 in.; Immokalee area, from traces to 6.00 in.; Palmetto-Ruskin region, about 0.66 in. or more; West Palm Beach, over 2.00 in.; Jacksonville, about 0.25 in.; Dover, Lake Alfred, Ft. Pierce, from 0.50 to about 1.50 in. Most other localities received from none to only traces. Temperatures at major stations averaged from 2^o. below normal to 3^o. above. Daytime highs mostly in 80s, 90s; lows 60s, 70s. Jacksonville recorded at least one low in 50s. Showers, caused by upper level low passing through State Straits, brought relief to some central, northern Peninsula areas, Sunday, June 11 with preliminary amounts ranging from about 0.33 to over 1.00 in. Moisture mostly very short to short. Farmers delaying planting of cotton, peanuts due to dry soil. Some soybean planting delayed. Irrigated tobacco in good condition. Farmers getting ready to start tobacco harvest. Early corn crop lost. Some irrigation systems not able to keep up with demand. Irrigated sugarcane in good condition. Sand land sugarcane stressed by drought. First, second cuttings of hay lost. Wild fires on Peninsula due to lack of rainfall. Peanuts 15% pegged. Peanut crop 56% very poor, 41% poor, 3% fair. Tomato picking increasing, Quincy area. Vegetable harvesting virtually finished around Immokalee with truck shortage helping to end season. Major vegetables available include: Sweetcorn, watermelons, okra, potatoes, tomatoes. Most citrus groves still dry, irrigation continues, rain needed. New crop fruit making good progress. Some remaining Valencias, grapefruit softening due to dry weather. Valencia harvest slowing, few grapefruit, Honey tangerines remain. Caretakers cutting cover crops, working irrigation equipment, burning restricted most areas. Pasture feed 40% very poor, 50% poor, 10% fair. Cattle 5% very poor, 60% poor, 30% fair, 5% good. Panhandle: drought hurting pasture, hay fields, cattle condition fair; most farm ponds, some farm wells reported dry. North: Pasture feed very poor, cattle producers having to buy hay; shallow wells dry. Central: Pastures in very poor feed; feeding of hay to cattle necessary; some ranchers having to buy hay; stock pond levels way down. West Central: pasture feed very poor to poor; more water holes reported dried up; several brush fires reported. Southwest: pasture feed poor to fair; pastures in some locations showing improvement following showers.

GEORGIA: Days suitable for field work 6.2. Soil moisture 57% very short, 30% short, 13% adequate. Corn 60% silked, 67% 1999, 58% avg.; 25% dough, 28% 1999, 19% avg. Cotton 2% setting bolls, 1% 1999, 0% avg. Hay 25% very poor, 27% poor, 34% fair, 13% good, 1% excellent. Peanuts 97% planted, 98% 1999, 99% avg.; 28% blooming, 30% 1999, 36% avg. Sorghum 25% very poor, 34% poor, 31% fair, 10% good; 75% planted, 81% 1999, 80% avg. Tobacco 5% very poor, 16% poor, 44% fair, 33% good, 2% excellent; 0% harvested, 1% 1999, 1% avg. Watermelons 6% very poor, 16% poor, 39% fair, 34% good, 5% excellent; 8% harvested, 0% 1999, 2% avg. Apples 1% very poor, 9% poor, 37% fair, 42% good, 11% excellent. Peaches 7% very poor, 4% poor, 25% fair, 50% good, 14% excellent; 30% harvested, 19% 1999, 37% avg. Pecans 9% very poor, 20% poor, 43% fair, 26% good, 2% excellent.

Scattered rains fell early in the week, but the State remained dry. The rains offered some relief to the fields, pastures that received them. Irrigation continued to be used as needed. Some farmers replanted fields due to the drought. Cotton germination was curtailed from dry soils. Producers applied herbicide to cotton. Peanuts emerged despite deep plantings. High winds slowed sucker control in tobacco. Tobacco Mosaic, Spotted Wilt Virus remained a problem for some fields. Pastures, hayfields continued to suffer from the dry conditions. Cattlemen continued to feed hay as well as sell cattle, calves. Other activities included: Harvesting watermelons, cantaloupes as well as planting commercial vegetables.

HAWAII: DATA NOT AVAILABLE:

IDAHO: Days suitable for field work 6.4. Topsoil 11% very short, 27% short, 60% adequate, 2% surplus. High winds, dry weather conditions continue in Eastern State. Growers in South-Central, Eastern States are monitoring, controlling areas most infested by grasshoppers. Irrigation supply 27% excellent, 43% good, 24% fair, 4% poor, 2% very poor. Oats 96% planted, 95% 1999, 97% avg.; 94% emerged, 85% 1999, 89% avg. Corn 96% emerged, 92% 1999, 88% avg. Dry Beans 86% Planted, 67% 1999, 70% avg.; 48% emerged, 30% 1999, 33% avg. Potatoes 87% emerged, 58% 1999, 64% avg. Alfalfa hay 1st cutting 60% harvested, 34% 1999, 32% avg. Winter wheat 54% headed, 21% 1999, 32% avg.; 99% jointed; 89% booting. Spring wheat 15% headed, 7% 1999, 7% avg.; 83% jointed; 54% booting. Spring barley 24% headed, 7% 1999, 8% avg.; 79% jointed; 52% booting. Activities: Finishing seeding, cultivating, fertilizing, irrigating, spraying weeds, monitoring for disease, pests.

ILLINOIS: Days suitable for fieldwork 5.7. Topsoil 5% very short, 23% percent short, 67% adequate, 5% surplus. Corn height 19 in., 15 in. 1999, 9 in. avg. Wheat 97% filled, 94% 1999, 80% avg.; 86% turning yellow, 67% 1999, 47% avg.; 28% ripe, 9% 1999, 6% avg. Oats 67% headed, 60% 1999, 31% avg.; 31% filled, 20% 1999, 9% avg.; 9% turning yellow, 4% 1999, 1% avg.; 3% poor, 13% fair, 66% good, 18% excellent. Alfalfa 1st cut 90%, 83% 1999, 60% avg. Alfalfa 2nd cut 8%, 4% 1999, 1% avg.; 2% poor, 19% fair, 59% good, 20% excellent. Red clover 76% cut, 67% 1999, 47% avg.; 5% poor, 26% fair, 53% good, 16% excellent. Warm weather last week helped development of both the corn, soybean crops, but continued dry soils were a concern before the rain this past weekend. Previous flooding, insect damage have caused some replanting of soybeans across the state. The wheat crop continues well ahead of normal and farmers have begun to harvest the crop. Last week, farmers spent most of their time nearing completion on the first hay cutting. Other activities for last week included: Applying herbicides, cultivating, mowing waterways, ditches.

INDIANA: Days suitable for fieldwork 5.4. Topsoil 3% very short, 22% short, 69% adequate, 6% surplus. Subsoil 9% very short, 39% short, 49% adequate, 3% surplus. Field activities showed good progress. Corn planting virtually complete. Corn making good growth. Precipitation averaged less than an inch, most areas. Temperatures averaged 1^o to 5^o below normal. Soybean planting more than 3 weeks ahead of average. Replanting in some soybean fields. Insect problems, some fields. Nitrogen, post herbicide applications continued. Range, pasture 1% very poor, 7% poor, 26% fair, 52% good, 14% excellent. Transplanting of tobacco 78% complete, 70% 1999, 48% avg. Alfalfa hay 1st cutting 88% complete, 88% 1999, 57% avg. Livestock in mostly good condition, some heat stress. Major activities: Applying anhydrous ammonia, cutting, baling hay, spraying, mowing roads, cleaning and equipment repair, cultivating, scouting fields, hauling manure, feeding, caring for livestock.

IOWA: Days suitable for field work 5.4. Topsoil 18% very short, 32% short, 48% adequate, 2% surplus. Subsoil moisture 32% very short, 42% short, 25% adequate, 1% surplus. Warm weather, rains beneficial to crop growth across the state; reporters in central state note that corn has really shot up this past week. However, farmers indicated continued rains needed to carry crops through growing season. Hot, dry winds helped to deplete soil moisture, which in turn has stressed some crops. Corn 24% cultivated, 12% 1999, 10% avg. Corn acreage that has been or will be 4% replanted. Corn stand compared to normal 95%. Corn height: tallest 25 inches; average 16 inches. Corn 1% very poor, 7% poor, 23% fair, 51%

good, 18% excellent. Soybeans 100% planted, 96% 1999, 89% avg. Soybeans 99% emerged, 82% 1999, 74% avg. Soybean acreage that has been or will be 5% replanted. Soybean 1% very poor, 7% poor, 29% fair, 50% good, 13% excellent. Oats 63% headed, 2% very poor, 8% poor, 28% fair, 50% good, 12% excellent. Winter wheat 98% headed, 2% very poor, 5% poor, 33% fair, 49% good, 11% excellent. Range, pasture feed 18% very poor, 21% poor, 31% fair, 24% good, 6% excellent. Alfalfa 1st cutting of 79%, 1999 50%, avg 32%. First cutting of clover hay 43%, 1999 19%, avg. 18%. Hay 9% very poor, 13% poor, 34% fair, 34% good, 10% excellent. Livestock generally in good condition; flies becoming a problem in some feedlots in Southeastern State.

KANSAS: Days suitable for fieldwork 6.7. Topsoil 14% very short, 48% short, 37% adequate, 1% surplus. Subsoil moisture 14% very short, 39% short, 47% adequate. Wheat maturing rapidly, harvest underway. Wheat 57% ripe, 14% 1999, 11% avg. Wheat 9% harvested, 0% 1999, 0% avg. Wheat 9% very poor, 18% poor, 38% fair, 32% good, 3% excellent. Corn 99% emerged, 95% 1999. Corn 1% very poor, 5% poor, 34% fair, 55% good, 5% excellent. Sorghum 91% planted, 74% 1999, 63% avg.; 72% emerged, 45% 1999, 1% very poor, 3% poor, 32% fair, 61% good, 3% excellent. Soybeans 93% planted, 67% 1999, 65% avg.; 88% emerged, 47% 1999, 1% very poor, 3% poor, 32% fair, 60% good, 4% excellent. Sunflowers 81% planted, 67% 1999, 40% emergence, 1% poor, 31% fair, 63% good, 5% excellent. 1st cutting alfalfa 100%, 97% 1999, 80% avg. 2nd cutting alfalfa 17%, 10% 1999, 7% avg. Range, Pasture feed 4% very poor, 13% poor, 36% fair, 40% good, 7% excellent.

KENTUCKY: Days suitable fieldwork 5.7. Topsoil 5% very short, 33% short, 60% adequate, 2% surplus. Subsoil moisture 10% very short, 28% short 60% adequate, 2% surplus. Below normal moisture, near record low temperatures early in week, summer weather returned by weekend. Dry weather promoted hay harvest, allowed good progress setting tobacco, planting soybeans. North, Central areas need rain. Disease, insect problems minimal in most areas. Burley tobacco set 91%, 90% 1999, 68% avg. Dark tobacco 97% set, 84% 1999, 74% avg. Set tobacco 1% very poor, 2% poor, 27% fair, 56% good, 14% excellent. Only 4% of tobacco plants over 24 inches high, 16% between 12-24 inches, 80% under 12 inches high. Emerged corn 3% poor, 19% fair, 59% good, 19% excellent. Small grain harvest underway. Barley harvest 60% completed, Wheat harvest about 10% done. Winter wheat 2% very poor 7% poor, 23% fair, 53% good, 15% excellent. Lodging from recent storms may lower yields, test weights. Pastures 1% very poor, 6% poor, 33% fair, 48% good, 12% excellent. Sorghum planting 73% completed.

LOUISIANA: Days suitable for fieldwork 5.4. Soil moisture 21% very short, 35% short, 38% adequate, 6% surplus. Corn 5% very poor, 9% poor, 27% fair, 55% good, 4% excellent; 75% silked, 56% 1999, 62% avg.; 40% dough stage, 11% 1999, 14% avg. Cotton 98% emerged, 99% 1999, 99% avg. Hay 76% first cutting, 77% 1999, 74% avg. Peaches 25% harvested, 31% 1999, 24% avg. Rice 100% emerged, 100% 1999, 100% avg. Soybeans 17% blooming, 3% 1999, 2% avg. Soybean planting edged closer to completion. Sorghum 7% poor, 35% fair, 55% good, 3% excellent; 94% emerged, 97% 1999, 95% avg. Sugarcane 2% very poor, 11% poor, 39% fair, 44% good, 4% excellent. Sugarcane farmers were working fields, fallow land. Sweetpotatoes 60% planted, 70% 1999, 57% avg. Wheat 100% harvested, 99% 1999, 92% avg. Wheat harvest was completed. Livestock 4% very poor, 8% poor, 36% fair, 42% good, 10% excellent. Vegetables 9% very poor, 14% poor, 34% fair, 37% good, 6% excellent.

MARYLAND: Days suitable for fieldwork 5.3. Topsoil 7% short, 88% adequate, 5% surplus. Subsoil moisture 1% very short, 10% short, 86% adequate, 3% surplus. Winter wheat 1% poor, 15% fair, 68% good, 16% excellent; 71% turned, 70% 1999, 50% avg. Barley 1% poor, 13% fair, 62% good, 24% excellent; 37% harvested, 34% 1999, 19% avg. Rye 1% poor, 11% fair, 71% good, 17% excellent; 67% turned, 81% 1999, 64% avg. Tomatoes 94% planted, 94% 1999, 94% avg. Sweet corn 95% planted, 94% 1999, 89% avg. Cucumbers 66% planted, 65% 1999, 79% avg. Snap beans 80% planted, 76% 1999, 76% avg. Cantaloupes 95% planted, 96% 1999, 95% avg. Soybeans 58% planted, 55% 1999, 50% avg. Sorghum 60% planted, 62% 1999, 54% avg. Watermelons 81% planted, 97% 1999, 95% avg. Strawberries 88% harvested, 68% 1999, 62% avg. Pasture feed 1% very poor, 3% poor, 22% fair, 50% good, 24% excellent. Corn 1% very poor, 2% poor, 12% fair, 64% good, 21%

excellent. Soybean 1% very poor, 2% poor, 15% fair, 74% good, 8% excellent. Apple 20% fair, 66% good, 14% excellent. Peach 1% very poor, 2% poor, 17% fair, 58% good, 22% excellent. Hay supplies 1% very short, 5% short, 87% adequate, 7% surplus. Percent of cutting hay crop harvest; 1st cutting clover, other hays 78% cut, 90% 1999, 67% avg.; 2nd cutting 11% cut, 19% 1999, 7% avg.; 1st cutting alfalfa 85% cut, 94% 1999, 84% avg.; 2nd cutting 13% cut, 21% 1999, 10% avg. Activities: Warm, dry weather kept planting of crops on pace, barley yields reported good throughout state.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 2% very short, 10% short, 80% adequate, 8% surplus. Subsoil 2% very short, 18% short, 74% adequate, 6% surplus. All Hay 2% very poor, 12% poor, 23% fair, 47% good, 16% excellent. Oats 1% very poor, 1% poor, 30% fair, 58% good, 10% excellent. All Hay 1st cutting 32%, 54% 1999, 35% avg. Asparagus 96% harvested, 86% 1999, 83% avg. Corn 95% planted, 99% 1999, 97% avg. Corn 87% emerged, 95% 1999, 86% avg. Drybeans 12% planted. Oats 9% headed Potatoes 96% planted, 99% 1999, 96% avg. Potatoes 72% emerged, 87% 1999, 77% avg. Drier, warmer weather allowed water logged fields to dry. Precipitation levels since April 1 remain above average for the southern Lower Peninsula, a deficit exists in the northern Lower, Upper Peninsulas. Some sections of northern state experienced a light frost early part of the week. Most reporters said minimal damage occurred. Most of the corn is now planted, and emerged. Corn color ranges from yellow to striped green, purple as development has been slow, wet spots remain in many fields. Early planted corn looks best. Black worms are causing some damage in late-planted fields, European corn borer counts are increasing. Soybean planting increased with the break from rainy weather. Some soybeans were replanted except in low spots which were still too wet to plant. Winter wheat looks great with larger heads than normal. Powdery mildew problems continue. The break from rain allowed for the first cutting of alfalfa to be harvested as fields dried out. Some potato leafhoppers reported. Frost northern areas set the crop back. Oats, barley good condition. Asparagus harvest completed, weed control, fertilizer applied. Cabbage continued to and look good. Potatoes planted early showing their first flowers while later planted fields continued to emerge. Sweet corn has seen little change due to cool temperatures. Tomato transplanting completed, early planted fields have first flowers with some small fruit present. Pepper transplanting completed Southwest but little growth has occurred due to cool temperatures. Early squash transplants flowering, harvest should begin soon Southwest while planting Oceana County delayed due to wet soil conditions. Snap beans need of warmer temperatures but on first or second true leaf. Radish harvest began Grand Rapids area. Warm weather pushed fruit development to about a week ahead of normal. Mostly clear weather allowed for hand thinning and spraying. Apples ranged from 18-24 mm diameter. Southwest, tart cherries had reached pit hardening stage, sweet cherries had reached straw-colored fruit stage. Plum trees had 18-24 mm fruit while peach trees had 21-30 mm fruit. Blueberries remained early green fruit stage. Strawberry harvest underway southern, central counties. Fall raspberry canes reached 18-24 inches while summer raspberry canes had early green fruit. Concord grapes first bloom.

MINNESOTA: Days suitable for fieldwork 4.9. Topsoil 3% very short, 11% short, 76% adequate, 10% surplus. Spring Wheat 60% jointed, 28% 1999, 27% avg. Oats 63% jointed, 47% 1999, 41% avg. Barley 57% jointed, 25% 1999, 24% avg. Corn 33% cultivated, 19% 1999, 25% avg.; 10 in. height, 9 in. 1999, 8 in. avg. Soybeans 12% cultivated, 5% 1999, 8% avg.; 4 in. height, 2 in. 1999, 2 in. avg. Sweet corn 91% planted, 87% 1999, 83% avg. Dry beans 99% planted, 81% 1999, 82% avg. Alfalfa 77% 1st cutting, 66% 1999, 44% avg. Pasture feed 0% very poor, 5% poor, 26% fair, 57% good, 12% excellent. Temperatures rose starting Wednesday, June 7, but the high temperatures were met with mixed feelings. Generally, crop conditions improved with the sunshine, humidity, especially row crops. Timely rains are now needed to ensure that soil moisture does not get too short. The upper northwest area of the state continues to have very dry topsoil conditions; while the south central portions continue to have surplus topsoil moisture.

MISSISSIPPI: Days suitable for fieldwork 6.2. Soil moisture, 19% very short, 41% short, 38% adequate and 2% surplus. Corn 2% very poor, 5% poor, 27% fair, 50% good, 16% excellent. Cotton 100% planted, 99% 1999, 97% avg.; 33% squaring, 32% 1999, 37% avg.; 1% very poor, 4% poor, 21% fair, 60% good, 14% excellent. Rice 2% poor, 29% fair, 59%

good, 10% excellent. Soybean 95% planted, 94% 1999, 88% avg.; 89% emerged, 87% 1999, 81% avg.; 4% poor, 25% fair, 59% good, 12% excellent. Wheat 99% mature, 96% 1999, 87% avg.; 77% harvested, 77% 1999, 51% avg.; 6% poor, 21% fair, 49% good, 24% excellent. Sweetpotatoes 65% planted, 59% 1999, 40% avg.; 2% poor, 38% fair, 54% good, 6% excellent. Watermelons 93% planted, 91% 1999, 94% avg.; 1% very poor, 25% poor, 35% fair, 36% good, 3% excellent. Hay (Warm Season) 25% harvested, 31% 1999, 24% avg.; 9% very poor, 15% poor, 29% fair, 42% good, 5% excellent. Blueberries 1% very poor, 13% poor, 53% fair, 27% good, 6% excellent. Cattle, 3% very poor, 9% poor, 31% fair, 47% good, 10% excellent. Pasture 13% very poor, 16% poor, 31% fair, 34% good, 6% excellent. Dry conditions still prevail across the state. Most crops in the state are in need of precipitation.

MISSOURI: Days suitable for fieldwork 6.0. Topsoil 24 % very short, 39 % short, 36 % adequate, 1 % surplus. Subsoil 38 % very short, 46 % short, 16 % adequate. Temperatures during the past week ranged from 5° below normal to 3° above normal. The weekly precipitation averaged 0.67 inches, ranging from 0.08 inches in the Bootheel to 1.10 north-central district. Row crops continue in mostly fair to good condition.

MONTANA: Days suitable for fieldwork 5.5. Topsoil 23% very short, 44% short, 33% adequate, 0% surplus. Subsoil moisture 39% very short, 43% short, 18% adequate, 0% surplus. Oats 97% emerged, 87% 1999, 88% avg.; 15% boot, 4% 1999, 9% avg.; 4% very poor, 14% poor, 30% fair, 43% good, 9% excellent. Corn 0% very poor, 5% poor, 52% fair, 37% good, 6% excellent. Dry beans 95% emerged, 85% 1999, 87% avg.; 0% very poor, 2% poor, 61% fair, 32% good, 5% excellent. Potatoes 94% planted, 95% 1999, 95% avg.; 63% emerged, 27% 1999, 39% avg. Sugar beets 0% very poor, 14% poor, 32% fair, 43% good, 11% excellent. Barley 96% emerged, 91% 1999, 91% avg.; 23% in boot, 4% 1999, 7% avg. Spring wheat 98% emerged, 88% 1999, 93% avg.; 14% in boot, 5% 1999, 8% avg. Winter wheat 88% in boot, 60% 1999, 66% avg. More rain fell across the state this week. Recent rains have alleviated the immediate crisis for dryland crops, but subsoil moisture levels are still short. Central State counties report that crops are highly stressed due to water shortage. Alfalfa weevils have also become a problem on irrigated ground. Cattle and calves moved to summer ranges 91%, 90% 1999, 92% avg. Sheep and lambs moved to summer ranges 89%, 83% 1999, 89% avg. The Central, Northeast regions of the state report that livestock water supplies are dwindling. Counties in the same regions also report that it may be too late for rains to save this year's dryland hay crop. Precipitation during the week helped green rangeland, but more is needed to aid growth.

NEBRASKA: Days suitable for fieldwork 6.9. Topsoil and subsoil moisture supplies were rated mostly very short. Temperatures for the week averaged two to 6° above normals. Precipitation light across most areas, ranged from traces to 1.3 inches. Corn 7% very poor, 14% poor, 34% fair, 37% good, 8% excellent. Soybeans 5% very poor, 20% poor, 40% fair, 30% good, 5% excellent. Sorghum 98% planted, 79% 1999, 79% avg.; 87% emerged, 54% 1999, 53% avg; 6% very poor, 22% poor, 52% fair, 20% good. Winter Wheat 17% very poor, 29% poor, 31% fair, 21% good and 2% excellent; 71% turning color, 14% 1999, 7% avg.; 10% ripe. Oats 9% very poor, 28% poor, 38% fair, 24% good, 1% excellent; headed 64%, 37% 1999, 20% avg. Dry beans 85% planted, 77% 1999, 55% avg.; 45% emerged, 46% 1999, 23% avg. Alfalfa 1st cutting 84% harvested, 69% 1999, 43% avg.; 16% very poor, 32% poor, 30% fair, 18% good, 4% excellent; conditions in northern counties showed improvement. Alfalfa 1st cutting yields have been significantly reduced in many eastern counties. Wild hay condition 16% very poor, 31% poor, 38% fair, 14% good, 1% excellent. Pasture, range feed 21% very poor, 31% poor, 32% fair, 13% good, 3% excellent. Other producer activities included: Scouting for insects, weed control, haying, irrigating crops.

NEVADA: The week began with temperatures averaging above normal. Temperatures then cooled midweek with the passing of a weak storm system. Some snow fell in the High Sierra, but precipitation was very light across the State. Temperatures were warming again at week's end. Irrigation water supplies short to adequate with irrigation needs increasing. Crop condition ratings fair to excellent. Some winter, spring wheat fields showing the affects of earlier frost. Green chopping of winter wheat nearly complete. Spring grains showing growth. Corn planting

complete with earlier fields one foot tall. Alfalfa hay first cutting well along after a busy week. Second cutting underway South. Other hay harvest commencing. Onions, garlic growing well. In shipments of onions for dehydration active. Potatoes emerging. Weed, insect control very active. Pasture, range feeds rated mostly fair to good with rain desired in most areas. Range livestock movement to mountain allotments about complete. Main farm, ranch activities: Alfalfa, other hay harvest, irrigation, weed and insect control, working livestock, gopher control.

NEW ENGLAND: Days suitable for fieldwork 5.0. Topsoil 1% short, 61% adequate, 38% surplus. Subsoil moisture 1% short, 63% adequate, 36% surplus. Pasture feed 2% fair, 50% good, 48% excellent. Maine potatoes 95% planted, 100% 1999, 100% avg.; 15% emerged, 80% 1999, 35% avg.; condition fair to good. Rhode Island potatoes 100% planted, 100% 1999, 100% avg.; 90% emerged, 95% 1999, 90% avg.; condition excellent to good. Massachusetts potatoes 100% planted, 100% 1999, 100% avg.; 75% emerged, 100% 1999, 95% avg.; condition good to fair. Oats in Maine 99% planted, 100% 1999, 95% avg.; 95% emerged, 90% 1999, 75% avg.; condition good. Barley in Maine 100% planted, 100% 1999, 100% avg.; 95% emerged, 90% 1999, 80% avg.; condition good. Silage corn 65% planted, 95% 1999, 90% avg.; 40% emerged, 90% 1999, 75% avg.; condition good. Sweet corn 70% planted, 85% 1999, 80% avg.; 50% emerged, 75% 1999, 65% avg.; condition good to fair. Shade tobacco 95% planted, 100% 1999, 100% avg.; condition good. Broadleaf tobacco 50% planted, 70% 1999, 65% avg.; condition good. First crop hay 25% harvested, 55% 1999, 35% avg.; condition good. Apples Petal Fall Stage, fruit set avg, fruit size avg, condition good to fair. Peaches: Petal Fall Stage, fruit set avg, fruit size avg, condition fair to good. Pears: Petal Fall Stage, fruit set below avg, fruit size avg, condition fair to good. Strawberries: Petal Fall Stage, fruit set avg, fruit size avg, condition fair to good. Cranberries: Bud Stage to Early Bloom Stage, condition good to fair. Highbush blueberries: Petal Fall Stage, fruit set avg, fruit size avg, condition good to excellent. Wild Blueberries: Full Bloom Stage to Petal Fall Stage, condition fair to good. Cold, wet weather slowed down field activities. Major farm activities: Strawberry picking, applying herbicides, cultivating potatoes, harvesting green chop, haylage, cutting dry hay, replanting early sweet corn, planting late vegetables, harvesting asparagus, rhubarb, thinning peach trees, top dressing cut hay fields.

NEW JERSEY: Days suitable for field work 6.3. Topsoil 19% short, 81% adequate. Corn 91% planted. Soybeans 72% planted. Clear weather, warm temperatures provided excellent conditions for cutting, baling hay. Some corn fields were sprayed by side dress application. Warmer weather conditions helped improve corn condition which suffered from earlier unseasonably cool weather. Blueberry harvest began in some localities while strawberry harvest was winding down. Reported strawberry quality was excellent. Cranberries began blooming in some areas. Sweet corn crop condition was rated mostly good. Producers continued to irrigate sweet corn fields in most localities. Harvest of lettuce, cabbage, herbs continued. Apple fruit was sizing well in northern counties.

NEW MEXICO: Days suitable for field work 6.7. Topsoil 56% very short, 23% short, 21% adequate. The Temperatures were within a few degrees of normal at most locations, with a statewide average between 1 and 2° above normal. State got a little more of the "monsoon" preview, with half the reporting stations measuring some rain fall. Gran Quivira, Clovis received over an inch of rain. state received more moisture to help aid in the overwhelmingly dry conditions. Harvesting, irrigating continued to be the main farm activities during the week. Onions were fair to excellent with 33% harvested. The chile condition was unchanged from last week. The irrigated wheat crop remained in mostly good condition with total wheat 27% harvested. Alfalfa was in mostly fair to good condition and the 2nd cutting was 55% complete. Corn 40% fair, 44% good, 14% excellent. Cotton was in fair to excellent condition with 35% squaring. Ranchers were still busy branding calves, hauling water along with supplemental feeds to maintain the herds. Cattle conditions varied from very poor to good across the state. Sheep 16% very poor, 30% poor, 35% fair, 19% good. Pasture, range feed 30% very poor, 30% poor, 25% fair, 15% good.

NEW YORK: Days suitable 4.0. Soil moisture 11% adequate, 89% surplus. Pasture feed 63% good, 37% excellent. Oat 23% fair, 73%

good, 4% excellent. Wheat 10% fair, 74% good, 16% excellent. Corn 73% planted, 97% 1999, 91% avg. Oat seeding near complete, about two weeks behind 1999 progress. First cutting alfalfa 30% finished, 58% 1999, 46% avg. Clover-timothy 22% harvested, 47% 1999, 35% avg. Dry bean planting continued where possible. Cool temperatures, wetness delayed vegetable planting, slowed plant development. Strawberry harvest started. Good quality, very good yields reported. Apples in fair condition; peaches, cherries, pears in good condition. Hail damaged apples in Hudson Valley region. Grapes in Finger Lakes region in good condition, in Lake Erie region fair to good condition.

NORTH CAROLINA: Early precipitation did not hamper Days suitable for field work which was 5.3 compared to 5.1 the previous week. The first full week of June brought significant rainfall throughout most of the state. The needed rainfall was accompanied by mild temperatures early in the week but gave way to hot, dry weather by the weekend. Although nearly the entire State received some rain, hot weather dried the soil out quickly as moisture levels slipped to their current rating of 6% very short, 30% short, 57% adequate, 7% surplus. As fields dried out, farmers resumed small grain harvesting along with soybean, sweetpotato planting. Other activities included Sorghum planting, burley tobacco setting, cutting hay. Currently, harvesting, planting activities are at or slightly over the respective five-year averages.

NORTH DAKOTA: Days suitable for field work 6. Topsoil 6% very short, 23% short, 68% adequate, 3% surplus. Subsoil moisture 4% very short, 18% short, 76% adequate, 2% surplus. Dry conditions were experienced across much of the state, spraying was delayed by strong winds. Durum wheat 96% emerged, 65% 1999, 77% avg.; 28% jointing, beyond, 8% 1999, 6% avg.; 5% boot, beyond, 1% 1999, 1% avg. Canola 99% emerged, 73% 1999; 52% rosette, 23% 1999. Dry edible beans 99% planted, 85% 1999, 91% avg.; 86% emerged, 56% 1999, 63% avg. Flaxseed 98% emerged, 69% 1999, 64% avg. Potatoes 79% emerged, 59% 1999, 59% avg. Soybeans 95% emerged, 61% 1999, 66% avg. Sugarbeets 97% emerged, 99% 1999, 97% avg. Sunflowers 97% planted, 76% 1999, 85% avg.; 69% emerged, 38% 1999, 50% avg. Emerged crop Durum wheat 1% very poor, 3% poor, 21% fair, 62% good, 13% excellent. Canola 2% very poor, 7% poor, 20% fair, 55% good, 16% excellent. Dry edible beans 8% very poor, 10% poor, 17% fair, 60% good, 5% excellent. Flaxseed 1% very poor, 3% poor, 15% fair, 64% good, 17% excellent. Potatoes 5% very poor, 13% poor, 29% fair, 45% good, 8% excellent. Soybeans 1% very poor, 4% poor, 13% fair, 72% good, 10% excellent. Sugarbeets 7% very poor, 17% poor, 24% fair, 46% good, 6% excellent. Sunflower 1% very poor, 4% poor, 15% fair, 67% good, 13% excellent. Broad leaf, wild oat 68% spraying, 80% complete respectively. Pasture, range feeds 1% very poor, 8% poor, 27% fair, 53% good, 11% excellent. Stockwater supplies 1% very short, 3% short, 93% adequate, 3% surplus. Hay condition rated 96% of normal.

OHIO: Days suitable for fieldwork, 4.3. Topsoil 0% very short, 5% short, 74% adequate, 21% surplus. Alfalfa hay 1st cutting 70%; 91% 1999; 52% average. Alfalfa hay 2nd cutting 2%; 3% 1999; 1% average. Corn 99% emerged; 99% 1999; 83% avg. Oats 56% headed; 64% 1999; 30% avg. Other hay 1st cutting 57%; 77% 1999; 42% avg. Processing tomatoes 86% planted; 98% 1999; 85% avg. Soybeans 93% planted; 100% 1999; 78% avg.; 81% emerged; 97% 1999; 62% avg. Strawberries 52% harvested; 55% 1999; 30% avg. Tobacco 75%; transplanted 84% 1999. Winter wheat 42% turning; 52% 1999; 25% avg. Corn 0% very poor, 3% poor, 18% fair, 56% good, 23% excellent. Hay 1% very poor, 7% poor, 26% fair, 54% good, 12% excellent. Oats 0% very poor; 2% poor; 27% fair; 60% good; 11% excellent. Pasture 0% very poor, 3% poor, 26% fair, 56% good, 15% excellent. Soybeans 1% very poor, 7% poor, 27% fair, 52% good, 13% excellent. Winter wheat 0% very poor, 2% poor, 12% fair, 55% good, 31% excellent. Activities for the week included: Replanting corn, soybeans; spraying weeds; applying fertilizer; making hay; chopping silage; certifying crops; repairing equipment, buildings; mowing waterways, farm lots; hauling grain; spreading manure; spraying orchards; scouting fields for insects and disease; preparing for wheat harvest. Reported weed pressures included Canadian thistle, ragweed, and johnson grass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, slugs in soybeans and hay, spittle bugs, seed corn maggots, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, gall insects on maple trees, potato leaf hoppers. Reported diseases were mildew in oats, wheat, rust on wheat, scab on apples. Fruit, vegetable crops were reported in mostly good condition throughout

the state. In southern State, producers are planting pumpkins, sidedressing tomatoes, sweet corn. The strawberry harvest is progressing normally in the Northeast district, despite minor delays caused by wet conditions. Apple trees have good crops hanging on them in most areas. Reporters continue to cite excess moisture as their major concern. Corn, soybean acres are being replanted in many counties due to poor emergence or drowned crops. Dry hay harvest has been slow due to cold, wet conditions. Rain has had a positive impact on some areas of the state. In the South Central district, hay fields that have received adequate moisture are being torn up after the hay harvest in order to plant corn. Pastures that were re-seeded and fertilized this spring are in excellent condition

OKLAHOMA: Days suitable for fieldwork 5.1. Topsoil 4% very short, 23% short, 66% adequate, 7% surplus. Subsoil moisture 5% very short, 28% short, 66% adequate, 1% surplus. Wheat 19% plowed, n/a last week, n/a 1999, n/a avg; 100% soft dough, 99% last week, 87% 1999, 88% avg.; Oats 1% very poor, 8% poor, 43% fair, 45% good, 3% excellent, 100% headed, 97% last week, 100% 1999, 99% avg.; 95% soft dough, 86% last week, 91% 1999, 81% avg.; 40% harvested, 19% last week, 6% 1999, 16% avg.; 12% plowed, n/a last week, n/a 1999, n/a avg. Corn 1% very poor, 4% poor, 22% fair, 68% good, 5% excellent, 8% silking, 1% last week, 2% 1999, 4% avg. Sorghum 7% poor, 38% fair, 53% good, 2% excellent, 95% seedbed prepared, 92% last week, 99% 1999, 90% avg.; 49% emerged, 41% last week, 13% 1999, 22% avg. Soybeans 4% poor, 27% fair, 64% good, 5% excellent, 93% seedbed prepared, 91% last week, 99% 1999, 96% avg.; 78% planted, 71% last week, 51% 1999, 61% avg.; 66% emerged, 60% last week, 34% 1999, 41% avg. Peanuts 97% planted, 95% last week, 96% 1999 84% avg.; 91% emerged, 83% last week, 83% 1999, 70% avg. Cotton 80% emerged, 79% last week, 68% 1999, 61% avg. Alfalfa Hay 4% poor, 24% fair, 65% good, 7% excellent; 99% first cutting, 97% last week, 99% 1999, 96% avg.; 43% second cutting, 28% last week, 32% 1999, 26% avg. Other Hay 4% poor, 31% fair, 57% good, 8% excellent; 71% first cutting, 61% last week, 54% 1999, 50% avg. Watermelons 71% running, 35% last week, 64% 1999, 64% avg.; 8% setting fruit, n/a last week, n/a 1999, n/a avg. Livestock 1% poor, 21% fair, 66% good, 12% excellent; Cattle marketings slightly below avg. Feeder cattle prices are \$1.00 to \$2.00 per cwt. higher than last week.

OREGON: Days suitable for fieldwork 6. Topsoil 1% very short, 21% short, 77% adequate, 1% surplus. Subsoil 24% short, 74% adequate, 2% surplus. Barley 47% headed, 1% poor, 33% fair, 43% good, 23% excellent. Winter wheat 91% headed, 74% 1999, 85% 5 year avg.; 19% fair, 39% good, 42% excellent. Range, pasture 12% fair, 73% good, 15% excellent. Activities: Small grains mostly in good condition statewide. Much of state's alfalfa & grass hay harvest delayed by rain, although western counties reported most rain. Northwest region reported most red clover seed fields cut for silage or green chop. Field corn doing well. North central region reported need for additional rain for wheat crop. Northeastern, southeastern regions reported both winter wheat, barley had headed, in good condition. Southeast region also reported first cutting of alfalfa, grass hay. Most fieldwork for upcoming week will depend on weather. Nurseries, greenhouses are into summer activities of irrigation, cleanup. However, there still seems to be a large supply of bedding, garden plants available. In Coos & Curry county Easter lily growers are picking off flower buds, hydrangea cuttings being prepared for shipment. In Western State, sweet corn seeding is on schedule, although some timed plantings held up by rains. Salad vegetables are in all stages of planting to harvest. Warm weather vegetables being planted. Pumpkins, squash mostly planted. Vegetables growing well. Picking of sweet peas for table started. Green pea harvest also starting on irrigated acres in Umatilla county. Asparagus harvest is winding down in that area. Klamath county potatoes are 95% planted. Some potato burning from last week's freeze in Baker County, but most recovering nicely. Hood River reported an expected 10% increase in cherry production for 2000. Northwestern region reported strawberry harvest in full swing, selling out at road stands. June drop occurred in may fruit trees last week. Raspberries sized, marion berries formed. Hazelnuts well. Southwest coast reported cranberry growers kept tabs on Lophodermium twig blight fruiting body development. Nearby Josephine, Jackson counties reported berries blossomed, set. Some thinning done on pears. Apples, plums, pears appeared to be maturing on schedule although crop seems to be light. Livestock condition mostly good to excellent. Cattle movement to forest permits continued in Lake county, to summer range in Umatilla county. Calving, lambing done in Malheur county. Feeder cattle, lambs

shipped in Douglas county. Western pasture feed mostly good under cool, moist weather. In Jackson county, heat began to dry up some pastures. Eastern rangeland in mostly good condition. Klamath county reported mostly excellent range conditions. Recent rainfall improved conditions in many areas. Southern Malheur county remained drier than normal.

PENNSYLVANIA: Days suitable for field work 3.9. Soil moisture 3% short, 72% adequate, 25% surplus. Corn 95% planted, 97% 1999, 93% avg.; 89% emerged, 91% 1999, avg not available. Corn height 8 in., 8 in. 1999, 7 in. avg. Soybeans 82% planted, 86% 1999, 78% avg.; 63% emerged, 76% 1999, avg not available. Oats 23% heading, 33% 1999, 21% avg. Tobacco 75% transplanted, 91% 1999, 62% avg. Barley 82% turning yellow, 78% 1999, 65% avg, 20% turning ripe, 22% 1999, 15% avg.; 5% harvested, 4% 1999, 5% avg. Wheat 16% turning yellow, 11% 1999, 16% avg.; 1% very poor, 6% poor, 21% fair, 61% good, 11% excellent. Oat crop 3% poor, 30% fair, 56% good, 11% excellent. Alfalfa 1st cutting 67% complete, 75% 1999, 61% avg. Alfalfa 2nd cutting 8% complete, 3% 1999, 1% avg. Timothy clover 1st cutting 24% complete, 48% 1999, 32% avg. Quality of hay made 5% very poor, 9% poor, 31% fair, 48% good, 7% excellent. Activities include planting corn, soybeans, vegetables; early barley harvesting; fixing fences; machinery maintenance; spreading lime, fertilizers; hauling manure; caring for livestock; cutting hay; making hay, haylage; filling silos; applying pesticides.

SOUTH CAROLINA: Days suitable for field work 6.2. Soil moisture 36% very short, 37% short, 27% adequate. Apples 4% poor, 88% fair, 8% good. Barley 100% ripe, 92% 1999, 88% avg.; 93% harvested, 71% 1999; 60% avg.; 7% fair, 36% good, 57% excellent. Cantaloupes 100% planted, 100% 1999, 99% avg.; 13% harvested, 6% 1999, 8% avg.; 8% poor, 46% fair, 46% good. Corn silked 35%, 29% 1999, 29% avg.; 15% very poor, 26% poor, 32% fair, 27% good. Cotton 97% planted, 99% 1999, 98% avg.; 19% squared, 12% 1999, 12% avg.; 4% very poor, 16% poor 41% fair, 39% good. Cucumbers 53% harvested, 44% 1999, 34% avg; 4% poor, 28% fair, 68% good. Grain Hay 99% harvested, 99% 1999, 95% avg. Hay 17% very poor, 25% poor, 35% fair, 23% good. Oats 99% ripe, 94% 1999, 91% avg.; 83% harvested, 76% 1999, 64% avg.; 1% poor, 18% fair, 65% good, 16% excellent. Peaches 21% harvested, 18% 1999, 16% avg.; 7% very poor, 10% poor, 12% fair, 51% good, 20% excellent. Peanuts 96% planted, 98% 1999, 97% avg.; 1% pegged, NA 1999, NA avg.; 3% very poor, 17% poor, 51% fair, 29% good. Rye 100% ripe, 90% 1999, 90% avg.; 66% harvested, 69% 1999, 57% avg.; 3% poor, 32% fair, 63% good, 2% excellent. Snap beans 53% harvested, 25% 1999, 24% avg.; 10% poor, 20% fair, 70% good. Sorghum 90% planted, 79% 1999, 62% avg.; 21% headed, NA 1999, NA avg.; 6% poor, 11% fair, 83% good. Soybeans 68% planted, 61% 1999, 54% avg.; 48% emerged, 46% 1999, 29% avg.; 5% very poor, 10% poor, 33% fair, 51% good, 1% excellent. Sweetpotatoes 85% planted, 75% 1999, 78% avg.; 5% poor, 17% fair, 78% good. Tobacco 10% topped, 6% 1999, 10% avg.; 4% poor, 25% fair, 66% good, 5% excellent. Tomatoes 10% harvested, 4% 1999, 11% avg.; 6% very poor, 3% poor, 8% fair, 83% good. Watermelons 100% planted, 100% 1999, 99% avg.; 5% harvested, NA 1999, NA avg.; 13% poor, 36% fair, 51% good. Winter wheat 100% ripe, 95% 1999, 88% avg.; 64% harvested; 66% 1999, 47% avg.; 1% very poor, 3% poor, 16% fair, 71% good, 9% excellent.

SOUTH DAKOTA: Days suitable for field work 5.7. Topsoil 5% very short, 19% short, 75%adequate, 1% surplus. Subsoil moisture 7% very short, 17% short, 74% adequate, 2% surplus. Feed supplies 6% short, 86% adequate, 8% surplus. Stock water 7% very short, 9% short, 76% adequate, 8% surplus. Winter Rye 11% poor, 22% fair, 56% good, 11% excellent. Winter Rye boot96%, 92% 1999, 82% avg.; 87% headed, 61%1999, 53% avg. Winter Rye turning color 0%, 0%1999, 2% avg.: 96% boot, 96% 1999, 75% avg. Winter Wheat turning color 2%, 0% 1999, 2% avg. Spring Wheat 67% boot, 42% 1999, 25% avg. Spring Wheat turning color 0%, 0% 1999, 0% avg. Barley boot 43%, 31% 1999, 20% avg. Barley turning color0%, 0% 1999, 0% avg. Oats 56% boot, 30% 1999, 23% avg. Oats turning color 0%, 1% 1999, 0% avg. Ave. cornheight 9 in., 5 in.1999, 4 in. avg. Corn cultivated once 26%, 15% 1999, 10% avg. Alfalfa hay 1% very poor, 18% poor, 28% fair, 44% good, 9% excellent. Alfalfa hay 1st cutting harvested 42%, 31% 1999, 19% avg. Other hay harvested 8%, 7% 1999, 4% avg. Range, Pasture 1% very poor, 8% poor, 19% fair, 55% good, 17% excellent. Cattle 5%fair, 65% good, 30% excellent. Cattle moved to pasture97% complete. Sheep condition 3% fair, 63% good,34% excellent. Hot, windy conditions covered most of the

state with the high temperatures increasing crop development. Small grains are well ahead of their averages, corn, soybeans are also doing well. Weather conditions helped farmers further first alfalfa cutting. Livestock are reported to be in good to excellent condition, but water, pasture feeds are a growing concern.

TENNESSEE: Days suitable for fieldwork 7. Topsoil 5% very short, 33% short, 59% adequate, 3% surplus. Subsoil moisture 6% very short, 28% short, 65% adequate, 1% surplus. Tobacco 86% transplanted, 89% 1999, 74% avg.; 1% poor, 20% fair, 64% good, 15% excellent. Wheat 90% ripe, 75% 1999, 60 avg.; 38% harvested, 27% 1999, 15% avg. Pastures 2% very poor, 6% poor, 31% fair, 51% good, 10% excellent. Other hay 92% first cutting complete, 90% 1999. Wheat producers began harvesting their crop in earnest last week. Farmers took advantage of the dry weather, harvested a third of their grain acreage, one week ahead of the normal pace. Early yields have been good, growers should continue to make excellent progress this week if conditions remain dry. Even though the recent weather has aided wheat harvest, the State's other major row crops are in need of moisture. Except for isolated areas of East Area most of the State received no rain last week. The recent lack of moisture has caused some twisting in corn, many soybean growers have stopped planting until rain arrives. Other agricultural activities taking place last week included: Cutting hay, transplanting tobacco, treating livestock for flies, spraying for weeds and insects.

TEXAS: Summary: Rain fell across many areas of the state, improving crop, pasture feeds. Cooler temperatures associated with these rains slowed evaporation which helped keep soil moisture at higher levels. High temperatures, lack of moisture in other areas continued to stress crops, pastures. Planting remained on hold in dry areas, while in areas which received rainfall producers waited for the soil to dry in order to resume planting, harvesting activities. In areas where moisture levels were favorable producers continued with land preparation, planting activities. Haying continued where possible. Rainfall improved outlook for second cuttings of hay . In general rains improved crop, pasture feeds across the state, however in some areas crops, pastures remained stressed. Vegetables continued to make progress in the Rio Grand Valley, Winter Garden areas, harvesting continued, however some stress remained as a result of low moisture. Field Crops: Small Grains: Rains delayed the combining of remaining wheat, oats in some areas of Central State, across the Plains. Yields remained below average in many locations as a result of dry conditions but produced well in other areas. Statewide wheat 39% of normal compared with 73% 1999. Wheat harvested published 41%, 1999 31%, average 29%. Oats harvested published 66%, 1999 62%, average 50%. Corn: Corn progress was good in most areas. Dryland corn benefitted from rains received during the week. Spraying for root worms began in portions of the Plains. High winds, hail damaged fields in some areas. Statewide corn 85% of normal compared with 87% 1999. Emerged published 100%, 1999 98%, average NA. Silked published 53%, 1999 49%, average 41%. Dough published 37%, 1999 32%, average 18%. Dented published 12%, 1999 7%, average 2%. Cotton: Cotton planting continued across the plains. Heavy rainfall, hail caused damage in some areas. Thrips, grasshoppers continued to cause damage to young plants. Statewide cotton 67% of normal compared with 69% 1999. Planted published 86%, 1999 90%, average 81%. Squaring published 16%, 1999 13%, average 16%. Setting Bolls published 8%, 1999 6%, average 7%. Bolls Opening 1%, 1999 0%, average 0%. Rice: Producers continued to flood rice fields. Final nitrogen applications were being made in some areas. Plants are progressing well but army worms continued to be a problem in some fields. State wide rice 92%of normal compared with 94% 1999. Headed published 18%, 1999 9%, average 3%. Sorghum: Planting remained active on the Plains. In some areas planting was delayed due to wet conditions while in other areas producers continued to delay planting due to insufficient moisture levels. Harvesting began in some southern areas of the state. Irrigated acres continued to make good progress in all areas. Statewide sorghum 77% of normal compared with 85% 1999. Planted published 83%, 1999 70%, average 80%. Headed published 38%, 1999 35%, average 36%. Turning color published 26%, 1999 19%, average 15%. Mature published 10%, 1999 4%, average 2%. Harvest published 4%, 1999 1%, average 0%. Peanuts: Peanut progression continued across the Plains. Rain improved the condition of dryland peanuts in most areas, while irrigated peanuts continued to advance. Land preparation and planting continued in southern, central areas, however rain delayed these activities. Statewide peanut 80%of normal compared with 84% 1999. Planted published 92%,

1999 87%, average 66%. Pegging published 4%, 1999 0%, average NA. Soybeans: Land preparation remained active where possible. Plant progressed well in eastern, central areas of the state but damage from army worms remained evident in some locations. Planting continued in the Plains where fields benefitted from rain. Commercial Vegetables, Fruit and Pecans In the Rio Grande Valley, watermelon and cantaloup harvest remained active. Harvest remained active for greens, carrots, beans, peas, potatoes, tomatoes. Rains around the area helped to improved conditions. In the San Antonio-Winter Garden, harvest of cantaloupes, carrots and onions continued, while green beans, peas continued to progress. Chili peppers continue to make good progress. Rain in some locations helped to relieve stressful conditions in non-irrigated fields. In East State, planting was mostly completed for peas, cucumbers, peppers, sweet potatoes and egg plants. Harvest neared completion for onions, cauliflower. Disease, insect problems continued. In the High Plains, carrots, onions continued to make good progress but high winds remained a threat for young plants. Peaches Sprays to control insect pests continued, harvest of early varieties was mostly completed in southern areas. Progression continued in Eastern areas where some harvesting began. Pecans Nutlet development continued. Producers in southern and central areas continued with zinc applications, spraying for case bearers. Producers in the Lower Plains began spraying for case bearers. Range, Livestock: Moisture, cooler temperatures helped induce pasture recovery across the state as rain fell in many areas. Some areas of the state received upwards to nine inches. Some locations, however remained void of moisture. Movement of cattle as well as supplemental feeding remained necessary in drier locations. Grasshopper populations continued to increase, affect pasture regrowth in some locations. In southern portions of the state army worms were becoming a problem.

UTAH: Days suitable for field work 7. Topsoil 18% very short, 33% short, 47% adequate, 2% surplus. Subsoil moisture 12% very short, 31% short, 56% adequate, 1% surplus. Pasture, range feed 3% very poor, 20% poor, 33% fair, 43% good. Alfalfa hay 1st cutting 66%, 41% 1999, 35% avg. Other hay cut 15%, 8% 1999, 7% avg. Corn 92% emerged, 83% 1999, 34% avg.; height 9 inches, 7 inches 1999, 4 inches avg. Winter wheat 57% headed, 46% 1999, 56% avg. Oats 90% emerged, 99% 1999, 92% avg.; headed 17%, 15% 1999, 4% avg. Drybeans 40% planted, 73% 1999, 61% avg. Barley 31% headed, 27% 1999, 20% avg. Spring wheat 36% headed, 24% 1999, 22% avg. Cattle moved to summer range 80%, 83% 1999, 78% avg. Sheep moved to summer range 79%, 77% 1999, 72% avg. Major farm, ranch activities included: Irrigating crops, moving livestock to summer ranges. The 1st cutting of alfalfa hay is in full swing; some are beginning second cutting. Crops are consistently ahead of past years throughout the state. Dry conditions are helpful for harvesting hay, but soils are drying fast. Irrigation water supplies in some localities are very short or are completely out of water. Some summer ranges are so dry that farmers are looking for alternate places to put their cattle. Spraying continues for mites, weevils, aphids.

VIRGINIA: Days suitable for fieldwork 5.7. Topsoil 1% very short, 21% short, 72% adequate, 6% surplus. Subsoil moisture 5% very short, 24% short, 65% adequate, 6% surplus. Pastures 1% very poor, 7% poor, 30% fair, 52% good, 10% excellent. Livestock 1% poor, 12% fair, 69% good, 18% excellent. Other Hay 5% poor, 32% fair, 51% good, 12% excellent. Alfalfa Hay 2% poor, 22% fair, 49% good, 27% excellent. Corn for Grain 3% poor, 17% fair, 62% good, 18% excellent. Corn for Grain 95% planted, 99% 1999, 97% 5-yr avg. Soybeans 2% poor, 13% fair, 74% good, 11% excellent. Soybeans 51% planted, 47% 1999, 46% 5-yr avg. Winter Wheat 4% harvested, 7% 1999, 3% 5-yr avg. Barley 31% harvested, 33% 1999, 25% 5-yr avg. Flue-cured tobacco 17% fair, 61% good, 22% excellent. Flue-cured tobacco 100% transplanted, 100% 1999, 99% 5-yr avg. Burley tobacco 4% poor, 14% fair, 67% good, 15% excellent. Burley tobacco 89% transplanted, 90% 1999, 81% 5-yr avg. Dark Fire-cured tobacco 21% fair, 48% good, 31% excellent. Dark Fire-cured tobacco 93% transplanted, 99% 1999, 95% 5-yr avg. Sun tobacco 4% fair, 96% good. Sun tobacco 100% transplanted, 96% 1999, 96% 5-yr avg. Peanuts 21% fair, 64% good, 15% excellent. Peanuts 98% planted, 100% 1999, 100% 5-yr avg. Cotton 5% poor, 18% fair, 69% good, 8% excellent. Cotton 100% planted, 100% 1999, 100% 5-yr avg. Cotton 1% squaring, 1% 1999. Apples 29% fair, 61% good, 10% excellent. Peaches 18% very poor, 3% poor, 31% fair, 40% good, 8% excellent. Temperatures for the week were mostly a few degrees below normal. Weather conditions allowed farmers to finish planting cotton, get a start on the harvest of wheat while continuing with barley harvest. Rain, winds in some areas caused barley, wheat to lodge making harvest more

difficult. Early planted corn fields benefitted from recent rains. Full season soybeans showed good germination after widespread precipitation the past two weeks. Good moisture levels allowed near ideal soil conditions for no-till soybeans. Some reports of mosaic in early transplanted tobacco fields have been noted. Cultivation of tobacco continues as hot, dry conditions aid flue-cured tobacco growth. Some farmers have begun to make arrangements to transport water for livestock as some streams have started to dry up. Other activities for the week included: Vegetable planting, harvest, cotton cultivating, also spraying herbicides, insecticides on cotton.

WASHINGTON: Days suitable for fieldwork 4.4. Topsoil 13% short, 65% adequate, 22% surplus. Subsoil moisture, 35% short, 60% adequate, 5% surplus. Winter wheat dryland 3% poor, 12% fair, 63% good, 22% excellent; irrigated 83% good, 17% excellent. Headed 86%, 73% 1999, 76% Avg. Winter wheat was coming along good with the precipitation this last week. A small amount of rust was reported. Spring wheat dryland 2% poor, 40% fair, 46% good, 12% excellent; irrigated 1% fair, 96% good, 3% excellent. Headed 40%, 29% 1999, 31% avg. Barley dryland 2% poor, 35% fair, 48% good, 15% excellent; irrigated 94% good, 6% excellent. Headed 42%, 32% 1999, 29% avg. Cereal crops progressed well with the much needed precipitation received last week. Potatoes 3% fair, 95% good, 2% excellent. Emerged 100% 97% 1999, 99% avg. Alfalfa hay 1st cutting, 85% complete. Hay, roughage 88% adequate, 12% surplus. Range, Pasture 10% poor, 40% fair, 48% good, 2% excellent. Sweet corn, cannery pea planting continued on the western part of the state with sweet corn planting nearing completion. The asparagus harvest was nearing its end. Christmas tree growers were delayed in applying chemicals to their trees due to the precipitation. Alfalfa hay, green chop harvest were seriously delayed due to precipitation. Some of the hay that was down was damaged due to the precipitation. Cherries suffered no major damage, but with harvest being so close, the precipitation high, cherry splitting was feared. Strawberries were ripening. Berry crops still lagged behind in development. Pastureland was under stress due to the cooler weather, heavy precipitation. Apple growers started to apply insecticides. In the western part of the state most crop progress was behind normal.

WEST VIRGINIA: Days suitable for fieldwork 5.4. Topsoil 15% short, 82% adequate, 3% surplus. Crop, pasture feeds continue to improve. Good progress was made harvesting hay. Wheat 9% fair, 68% good, 23% excellent; Wheat 95% headed, 95% 1999, 88% 5-yr-avg. Hay 3% poor, 23% fair, 53% good, 21% excellent; Hay 1st cut 56%, 75% 1999, 39% 5-yr avg. Corn 18% fair, 63% good, 19% excellent; 96% planted, 99% 1999, 92% 5-yr avg. Soybean 8% fair, 73% good, 19% excellent; 92% planted, 98% 1999, 79% 5-yr avg. Oats 14% fair, 63% good, 23% excellent; 96% Planted, 100% 1999, 99% 5-yr avg.; 77% emerged, 96% 1999, 95% 5-yr avg.; 21% headed, 45% 1999. Tobacco 19% fair and 81% good. Tobacco 84% transplanted, 95% 1999, 76% 5-yr avg; 7% poor, 63% fair, 30% good. Peach 8% poor, 67% fair, 25% good. Cattle 1% very poor, 3% poor, 8% fair, 73% good, 15% excellent. Sheep 1% poor, 3% fair, 77% good, 19% excellent.

WISCONSIN: Days suitable for fieldwork 4.2. Soil moisture 0% very short, 1% short, 73% adequate, 26% surplus. Soil moisture condition excellent in most of state. Soil moisture was reported 92% adequate in the West Central district, 86% adequate in North West. Humidity, heat, sunshine soaked up much of the surplus moisture in fields. Last week, high temperatures that reached the high 80's and low 90's increased growing speed. Low spots were drying out. Warm temperatures helped growth of crops as well as growth of weeds. First cutting of hay: 62% 2000, 63% 1999, 41% 5-year avg. Hay drying was still difficult due to wet ground. Second hay crop was coming along fine. Cranberry crop was progressing in great condition with the bulk of blooming expected in approximately 3 weeks. Winter wheat jumped up to 87% good-to-excellent condition last week, compared to 79% the week before last. Winter wheat 0% very poor, 2% poor, 11% fair, 53% good, 34% excellent. Pasture feed 0% very poor, 5% poor, 12% fair, 57% good, 26% excellent.

WYOMING: Days suitable for fieldwork 6.9. Topsoil 12% very short, 58% short, 30% adequate. Barley 76% jointed, 65% 1999, 70% avg.; 42% boot, 40% 1999, 33% avg.; 27% headed, 21% 1999, 10% avg. Barley 1% poor, 25% fair, 58% good, 16% excellent. Oats 95% emerged, 79% 1999, 86% avg.; 46% jointed, 39% 1999, 46% avg.; 20% boot, 11%

1999, 18% avg. Oat 2% poor, 32% fair, 61% good, 5% excellent. Spring wheat 100% emerged, 81% 1999, 85% avg.; jointed, 57%, 49% 1999, 50% avg.; 36% boot, 18% 1999, 21% avg. Spring wheat 1% very poor, 6% poor, 32% fair, 56% good, 5% excellent. Winter wheat 94% boot, 74% 1999, 86% avg.; 91%, headed 51% 1999, 52% avg. Winter wheat 20% very poor, 36% poor, 27% fair, 17% good. Corn average height 7 inches, 7 inches 1999, 5 inches avg. Corn 7% fair, 88% good, 5% excellent. Dry beans 94% planted, 94% 1999, 85% avg.; 45% emerged, 57% 1999, 54% avg. Sugarbeets 15% fair, 64% good, 21% excellent. Alfalfa 1st cutting 15%, 5% 1999, 3% avg. Other hay 3% harvested, 0% 1999, 0% avg. Range, pasture feed 4% very poor, 14% poor, 55% fair, 27% good. Irrigation water 7% very short, 46% short, 47% adequate.