



Washington, D.C.

Weekly Weather and Crop Bulletin State Stories

Released June 6, 2000 by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Weekly Weather and Crop Bulletin State Stories" call Mark E. Miller at (202) 720-7621, office hours 7:00 a.m. to 4:00 p.m. ET.

ALABAMA: Days suitable for fieldwork 6.8. Topsoil 50% very short, 40% short, 10% adequate. Corn 98% emerged, 97% 1999, 5yr avg. not available. Corn 18% silked, 14% 1999, 14% avg. Corn 23% very poor, 19% poor, 50% fair, 8% good. Wheat 42% harvested, 28% 1999, 30% 5yr avg.; 3% very poor, 9% poor, 34% fair, 51% good, 3% excellent. Hay 1st cutting 82%, 76% 1999, 75% avg. Pasture feed 21% very poor, 23% poor, 34% fair, 21% good, 1% excellent. Livestock 2% very poor, 9% poor, 28% fair, 58% good, 3% excellent. Statewide, cotton, corn, soybeans are in mostly fair condition, although some areas are experiencing poor crop conditions due to drought. Farmers planted soybeans, sprayed cotton, cut hay.

ALASKA: Days suitable for fieldwork 6.7. Topsoil 25% short, 75% adequate. Subsoil moisture 20% short, 80% adequate. Barley 95% planted, 100% 1999, 100% ave. Warm, dry conditions allowed producers to make rapid progress planting small grains, potatoes. Scattered showers brought some relief from the generally dry conditions. Daytime high temperatures were mostly in the sixties, with some seventy degree temperatures reported at the end of the week. Lows were mostly in the thirties. Barley 35% emerged, 58% 1999, 85% avg. Oats 95% planted, 100% 1999, 99% avg. Oats 30% emerged, 53% 1999, 85% avg. Potatoes 80% planted, 75% 1999, 83% avg. No wind, rain damage to new plantings was reported. Winter freeze damage to grass fields, 75% none, 15% light, 10% moderate. Pasture, range, 15% poor, 30% fair, 55% good. Major farming activities for the week included: Planting potatoes, small grains, fertilizing hay fields, transplanting vegetables, equipment, fence repairs.

ARIZONA: Temperatures in the state were well above average for the seventh week in the past two months. Lack of winter snow, spring precipitation, high temperatures have had an adverse affect on the range, pasture feeds. While the lack of precipitation has had a minimal impact on crop production due to irrigation, high temperatures may force an early harvest of some crops.

ARKANSAS: Days suitable for fieldwork: 5.0. Soil moisture 9% short, 81% adequate, 10% surplus. Rice 97% planted, 99% 1999, 98% 5 yr. avg.; 92% emerged, 94% 1999, 93% 5 yr avg.; rice 1% very poor, 3% poor, 25% fair, 61% good, 10% excellent. Sorghum 92% planted, 95% 1999, 96% 5 yr. avg.; 91% emerged, 93% 1999, 92% 5 yr avg.; Sorghum 1% very poor, 2% poor, 19% fair, 73% good, 5% excellent. Cotton 99% planted, 100% 1999, 100% 5 yr avg.; 96% emerged, 96% 1999, 96% 5 yr avg.; Cotton 3% very poor, 15% poor, 35% fair 46% good, 1% excellent. Soybean 58% planted, 57% 1999, 56% 5 yr avg.; 42% emerged, 42% 1999, 42% 5 yr avg.; Soybean 3% very poor, 5% poor 26% fair, 56% good, and 10% excellent. 1% poor, 19% fair, 61% good, 10% excellent.; wheat 19% harvest, 7% 1999, 8% 5 yr avg. 2% very poor, 7% poor, 27% fair, 49% good, 15% excellent. Alfalfa Hay 1% very poor, 1% poor, 25% fair, 55% good, 18% excellent; Other Hay 2% very poor, 3% poor, 26% fair, 54% good, 15% excellent. Pasture, Range 1% very poor, 3% poor, 20% fair, 62% good, 14% excellent. Livestock good condition. Soybean, sorghum planting continued. Rice, cotton planting was near completion. Cotton, corn, sorghum were being cultivated. Wheat harvest had begun in most counties. Soybeans, rice were being sprayed with herbicides to control weeds. Some cotton fields were being sprayed for thrips. Armyworms in some corn fields required spraying.

Heavy rains caused flooding bringing damage to some soybean, cotton, corn, hay, rice fields in most northeastern counties. Some farmers were replanting cotton, soybean fields due to flash flooding. Other activities included: Harvesting hay, fertilizing, liming pastures, applying weed control in pastures. 1/Many reports are received on Friday, may not reflect conditional changes due to weekend weather. 2/Corn emerged progress is a 2-year average instead of a 5-year average.

CALIFORNIA: Cotton was progressing well in the warm weather. Many cotton fields were being irrigated for the first time. Mite, weed control activities continued. A few cotton growers treated for armyworms. Wheat for silage was being cut, while wheat intended for grain continued to dry. Harvested silage fields were being replanted to grain or silage corn. Emerged fields were growing rapidly, with fertilizer applications, ample warmth. Many corn fields were sprayed for mites and weeds. Alfalfa continued to be cut, dried, baled for hay. The quality in some areas was declining. Alfalfa seed was treated to control weeds, lygus, mites, armyworms. Dry beans were still being planted and planted fields were emerging rapidly with the hot weather. Dryland oat hay was already cut, baled in most areas. Rice fields were developing. Aerial herbicide applications continued, some rice fields were treated for weeds, weevils. Sugar beets continued to mature. Some sugar beet fields were treated for powdery mildew. Sunflowers were still being planted in a few fields. Fruit, nut growers were conducting normal late spring cultural activities including weed control, application of fungicides, irrigation of vineyards, fruit, nut trees. The cherry harvest continued. Almond growers were supporting limbs to bear the weight of the heavy nut set. Grape growers were treating vineyards for mildew, leafhoppers. Harvest of grapes for fresh consumption was active in the Coachella Valley. Perlette, Flame Seedless were the primary varieties moving. Harvest of Patterson variety apricots was active. Also active was the harvest of Crimson Lady, Crown Princess variety freestone peaches. Rose Diamond, Royal Glo nectarines, Early Queen plums were also actively harvested. Warmer temperatures have accelerated the rate of maturation. Grapefruit picking was active in the San Joaquin Valley. The harvest of southern state lemon crop was also active. Valencia oranges picking progressed in the desert areas, in the San Joaquin Valley. Picking of navel oranges was winding down; quality was still a concern. Minneola tangelos were also picked. Strawberry picking continued. Tomatoes, peppers were thriving. Most processing tomatoes were showing a good set, progressing according to schedule. A few young tomato fields exhibited some heat related damage from the earlier week when temperatures exceeded 100°. Some fields of tomatoes, melons were treated for weeds. The melon crop was looking good. Vines were growing rapidly, blooming was occurring in several fields. Sweet potato, cantaloupes, watermelons continued to be planted. Sweet corn was progressing well, early blocks were into the tassel stage. Mushroom production was down in several areas with compost problems related to the earlier week's wet weather. Ideal growing conditions boosted picking, packing of various summer vegetables such as: zucchini, yellow squash, bitter melon, cucumbers, pepper shoots, onions, garlic. Lettuce, broccoli continued to be harvested. Asparagus harvest was complete in most areas. Additional crops harvested included basil, carrots, cilantro, green onions, mustard greens, mint, parsley, sugar, snap peas, radishes, spinach, turnips. Cattle continued to be shipped from foothill pastures in central, northern state, as grass was dry in most areas. Cattle were moving to summer pastures or to market. Higher elevation summer pasture grass was growing slowly with the cool temperatures. In the northern mountains

frost damaged some field crops, including hay. Irrigated valley pastures were in good condition. Breeding ewes were being grazed on fallow fields in the central valleys. Beehives were placed in seed alfalfa, melon fields.

COLORADO: Days suitable for fieldwork 6.6. Topsoil 16% very short, 36% short, 47% adequate, 1% surplus. Subsoil moisture 15% very short, 34% short, 50% adequate, 1% surplus. Warmer, drier weather than usual prevailed during the week, advancing winter wheat development but causing some delays in planting sorghum, sunflower crops. Spring barley 100% emerged, 99% 1999, 98% avg.; 16% headed, 14% 1999, 12% avg.; 5% poor, 17% fair, 58% good, 20% excellent. Dry onions 2% very poor, 5% poor, 19% fair, 64% good, 10% excellent. Sugar beets 98% up to stand, 91% 1999; 2% very poor, 5% poor, 18% fair, 55% good, 20% excellent. Summer potatoes 99% emerged, 84% 1999, 82% avg.; 1% very poor, 8% poor, 15% fair, 60% good, 16% excellent. Fall potatoes 48% emerged, 12% 1999, 19% avg. Dry beans 41% planted, 52% 1999, 37% avg.; 10% emerged, 16% 1999, 9% avg. Spring wheat 99% emerged, 96% 1999, 94% avg.; 11% headed, 12% 1999, 5% avg.; 1% very poor, 6% poor 19% fair, 59% good, 15% excellent. Alfalfa 37% 1st cutting, 27% 1999, 20% avg.

DELAWARE: Days suitable for fieldwork 4.8. Topsoil 4% short, 78% adequate, 18% surplus. Subsoil moisture 93% adequate, 7% surplus. Winter wheat 1% poor, 13% fair, 77% good, 9% excellent; 5% turned, 18% 1999, 12% avg. Barley 3% poor, 16% fair, 73% good, 8% excellent; 6% harvested, 9% 1999, 6% avg. Snap Beans 53% planted, 63% 1999, 37% avg. Sweet corn 60% planted, 74% 1999, 72% avg. Cucumbers 42% planted, 29% 1999, 32% avg. Tomatoes 85% planted, 78% 1999, 72% avg. Watermelons 65% planted, 71% 1999, 67% avg. Cantaloupes 63% planted, 72% 1999, 64% avg. Soybeans 29% planted, 29% 1999, 29% avg; 6% emerged, 24% 1999, 8% avg. Sorghum 43% planted, 32% 1999, 22% avg. Strawberries 57% harvested, 38% 1999, 43% avg. Pasture feed 15% fair, 80% good, 5% excellent. Apple 10% fair, 90% good. Peach 10% fair, 90% good. Hay supplies 28% short, 72% adequate. Percent of cutting hay crop harvest; clover, other hays, 1st cutting 68% cut, 81% 1999, 76% avg.; 2nd cutting 10% cut, 1% 1999, 5% avg. Alfalfa 1st cutting 86% cut, 75% 1999, 71% avg.; 2nd cutting 10% cut, 11% 1999, 3% avg. Activities: Warm, dry weather allowed for increased planting activity, few producers reporting army worms.

FLORIDA: Abundant rain fell over southeastern coast, Dade County, some southwestern localities; a few central Peninsula localities also received welcomed rains. However, hot, mostly dry conditions continued elsewhere. Homestead reported over 3.50 in. for week; Tavares, about 2.33 in.; West Palm Beach, Miami, from 1.00 to 2.00 in.; Alachua, a little over 1.00 in. Elsewhere, rain amounts from none, most stations, to traces. Temperatures averaged 1 to 4^o. above normal at major stations. Daytime highs mostly 80s, 90s; Tallahassee had at least one high at 100. Nighttime lows mostly 60s, 70s; Alachua, Pierson, Jacksonville had at least one low in 50s. Moisture mostly very short to short. Farmers delaying planting cotton, peanuts due to dry soil. A few farmers planting in dry soil, hoping for rain. Irrigated tobacco good condition. Corn crop burning up at rapid rate. Some irrigation systems not able to keep up with demand. Sugarcane being irrigated, in good condition. Very little haying due to lack of forage growth. Some wild fires on Peninsula due to lack of rainfall. Small grain harvest virtually complete. Peanuts 83% planted. Hot, dry conditions caused poor development of dryland watermelons with some acreage to be abandoned. Major vegetables available include: Sweet corn, peppers, watermelons, okra, potatoes, tomatoes. Dry most of week, a few scattered showers during week, good rains most citrus areas Sunday, June 4. Growers irrigating around clock. Valencia harvest slowing, some areas running out of fruit. Grapefruit harvest limited to lower east coast. Honey tangerines just about over for year. Caretakers cutting cover crops, spraying, fertilizing, hedging. Pasture feed 45% very poor, 40% poor, 15% fair. Cattle 10% very poor, 45% poor, 40% fair, 5% good. North, central: ranchers feeding supplemental hay. Panhandle: hay supplies short. North: some cattle being moved to market because of grazing/hay shortage. Central: most water holes dry, some wells going dry; pasture grass extremely short. West Central: cattle condition continues to fall off; brush fires active. Southwest: pasture feed fair.

GEORGIA: Days suitable for field work 6.6. Soil moisture 62% very short, 31% short, 7% adequate. Corn 33% silked, 45% 1999, 35% avg.; 7% dough, 10% 1999, 6% avg. Hay 28% very poor, 28% poor, 28% fair,

15% good, 1% excellent. Peanuts 10% very poor, 19% poor, 40% fair, 28% good, 3% excellent; 14% blooming, 15% 1999, 19% avg.; 3% pegging, 3% 1999, 3% avg. Sorghum 23% very poor, 34% poor, 33% fair, 10% good; 64% planted, 71% 1999, 70% avg. Tobacco 10% very poor, 19% poor, 40% fair, 28% good, 3% excellent. Onions 98% harvested, 95% 1999, 97% avg. Watermelons 4% very poor, 17% poor, 43% fair, 29% good, 7% excellent. Apples 8% poor, 50% fair, 33% good, 9% excellent. Peaches 6% very poor, 5% poor, 21% fair, 49% good, 19% excellent; 24% harvested, 16% 1999, 27% avg. Pecans 8% very poor, 20% poor, 42% fair, 27% good, 3% excellent. Much of the State remained dry last week despite scattered showers. Irrigation was occurring where possible. Planting progress continued to be slow due to dry soils. Rain is needed for plant development. Farmers "dusted in" cotton last week. Some producers delayed planting hoping for rain. Windy, dry conditions hindered weed control in cotton, sucker control in tobacco. Onion harvest neared completion. Some onions were culled due to sun scald. The lack of rain adversely affected apples. Pastures, hayfields continued to suffer from the dry conditions. Cattlemen continued to feed, sell cattle. Farmers hauled water for livestock. Other activities included: Harvesting wheat.

HAWAII: Sunny weather was favorable for most crops. Irrigated crops made good progress. Unirrigated crops, pastures were in fair to poor condition. Concern is growing about future water supplies if dry conditions persist. Banana harvesting is steady. Orchards were in mostly good condition with the advent of warmer temperatures. Harvesting is expected to increase as summer advances. Papaya harvesting also steady. Trees in good to fair condition. Disease remains a problem in certain areas. Head cabbage fields in generally good condition. Insect pressure was building due to warmer conditions. Dry onion harvesting remained active. Fields were in good condition, bulb quality was also reported good. Dry conditions were delaying the planting of sugarcane.

IDAHO: Days suitable for field work 6.7. Topsoil 8% very short, 21% short, 67% adequate, 4% surplus. Eastern State has experienced very dry conditions this past week and is in need of rain. Camas County experienced light frost damage to alfalfa tops. Cereal leaf beetle eggs were reported to be abundant in Boundary County, while Green peach aphids, onion bulb mites are showing up in Canyon County. Five percent of the state potato planting is 12 inches or higher. Irrigation 29% excellent, 44% good, 22% fair, 3% poor, 2% very poor. Dry peas 99% emerged, 94% 1999, 81% avg. Oats 94% planted, 92% 1999, 94% avg.; 80% emerged, 75% 1999, 81% avg. Lentils 99% emerged, 90% 1999, 79% avg. Corn 90% emerged, 72% 1999, 74% avg. Dry Beans 55 Planted, 45% 1999, 43% avg.; 14% emerged, 10% 1999, 15% avg. Potatoes 74% emerged, 33% 1999, 42% avg. Alfalfa hay 1st cutting 45% harvested, 1999 16%, avg. 18%. Winter wheat 94% jointed; 78% booted. Spring wheat 2% headed, 1% 1999, 2% avg.; 69% jointed; 32% booted. Spring barley 5% headed, 1% 1999, 3% avg.; 64% jointed; 29% booted. Activities: Finishing seeding row crops, moving cattle, sheep to summer pasture, cultivating, fertilizing, irrigating, spraying weeds, applying insecticides.

ILLINOIS: Days suitable for fieldwork 3.2. Topsoil 3% very short, 14% short, 67% adequate, 16% surplus. Corn height 13 in., 8 in. 1999, 6 in. avg. Oats 44% headed, 36% 1999, 20% avg.; 15% filled, 14% 1999, 4% avg.; 2% poor, 13% fair, 63% good, 22% excellent. Alfalfa 1st cut 76%, 70% 1999, 40% avg.; 2% poor, 21% fair, 58% good, 19% excellent. Red clover 57% cut, 58% 1999, 34% avg. Red clover 2% poor, 24% fair, 58% good, 16% excellent. Most of the state received at least some rain last week, with the northern districts receiving the most. Reports of crops damaged by wind, scattered hail, heavy rains were nearly statewide. The soybean crop seems to be having more problems. Fields in low lying areas where thunderstorms dumped heavy rain, along with those with hail damage or standing water damage, will need replanted. Other activities for last week included: Crop scouting, mowing ditches, between rains, cultivating, applying chemicals.

INDIANA: Days suitable for fieldwork 3.7. Topsoil 1% very short, 9% short, 77% adequate, 13% surplus. Subsoil 7% very short, 32% short, 58% adequate, 3% surplus. Field activities slowed again by showers, wet field conditions. Corn, soybeans making good growth. Precipitation less than an inch, most areas. Temperatures averaged 5° below normal to 3° above normal. Corn planting virtually complete, except southern

areas. 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, 4% poor, 21% fair, 56% good, 18% excellent. Transplanting of tobacco 63% complete, 53% 1999, 30% avg. First cutting alfalfa hay 55% complete, 64% 1999, 40% avg. Livestock remain in mostly good condition. Major activities: Applying anhydrous ammonia, cutting, baling hay, preparing for wheat harvest, cultivating, scouting fields, hauling manure, feeding, caring for livestock.

IOWA: Days suitable for field work 2.8. Topsoil 15% very short, 25% short, 50% adequate, 10% surplus. Subsoil moisture 33% very short, 38% short, 25% adequate, 4% surplus. Parts of north, central state received much needed rain, but also damaging hail. Some erosion reported. Remainder of state had spotty rains; some corn being stressed, ponds drying up, pastures turning brown, drying up. Corn 100% emerged, 90% 1999, 87% avg. Corn acreage that has been or will be 3% replanted. Corn stand 93% compared to normal. Corn height: tallest 14 inches; average 9 inches. Corn 1% very poor, 5% poor, 27% fair, 51% good, 16% excellent. Soybeans 100% planted, 88% 1999, 80% avg. Soybeans 95% emerged, 52% 1999, 49% avg. Soybean acreage that has been or will be replanted 5%. Soybean 1% very poor, 6% poor, 30% fair, 49% good, 14% excellent. Oats 3% headed, 2% very poor, 10% poor, 23% fair, 49% good, 16% excellent. Winter wheat 87% headed, 5% poor, 33% fair, 43% good, 19% excellent. Range, pasture feed 13% very poor, 25% poor, 32% fair, 23% good, 7% excellent. Alfalfa 1st cutting 58%, 29% 1999, 16% avg. Hay very 6% poor, 14% poor, 33% fair, 37% good, 10% excellent. Livestock in good condition; some muddy feedlots in north central, northeast state; across the rest of the state, pastures short, still in need of moisture.

KANSAS: Days suitable for fieldwork 5.7. Topsoil 10% very short, 33% short, 55% adequate, 2% surplus. Subsoil moisture 12% very short, 31% short, 57% adequate. Wheat maturing rapidly, limited harvesting in South Central State. Wheat 87% turning, 52% 1999, 40% avg.; 7% very poor, 16% poor, 40% fair, 33% good, 4% excellent. Corn 96% emerged, 87% 1999, 1% very poor, 4% poor, 32% fair, 59% good, 4% excellent. Sorghum 75% planted, 44% 1999, 45% avg.; 49% emerged, 20% 1999, 2% poor, 29% fair, 64% good, 5% excellent. Soybeans 86% planted, 44% 1999, 53% avg.; 75%, 27% 1999, 1% very poor, 2% poor, 32% fair, 61% good, 4% excellent. Alfalfa 1st cutting 97%, 87% 1999, 64% avg. Range, Pasture feed 2% very poor, 11% poor, 31% fair, 48% good, 8% excellent.

KENTUCKY: Days suitable fieldwork 4.3. Topsoil 2% very short, 12% short, 73% adequate, 13% surplus. Subsoil moisture 3% very short, 19% short, 69% adequate, 9% surplus. Below normal moisture, near normal temperatures. Wet field conditions from last weeks storms limited fieldwork. Burley 83% set, 80% 1999, 53% avg. Dark tobacco 75% set, 79% 1999, 64% avg. Disease, insect problems minimal. Condition of set tobacco 2% poor, 21% fair, 59% good, 18% excellent. Winter wheat lodging a concern in some areas. Harvest just beginning. Condition of winter wheat 2% very poor 7% poor, 25% fair, 55% good, 11% excellent. Pasture feeds 3% poor, 22% fair, 59% good, 16% excellent. Grain sorghum 59% planted. Barley harvest 23% complete.

LOUISIANA: Days suitable for fieldwork 6.8. Soil moisture 25% very short, 42% short, 29% adequate, 4% surplus. Corn 5% very poor, 10% poor, 24% fair, 59% good, 2% excellent; 58% silked, 40% 1999, 38% avg.; 13% dough stage, 4% 1999, 6% avg. Cotton 96% emerged, 94% 1999, 98% avg. Hay 72% 1st cutting, 75% 1999, 69% avg. Peaches 21% harvested, 15% 1999, 13% avg. Peach harvest was underway. Rice 5% headed, 1% 1999, 1% avg. Sorghum 1% very poor, 8% poor, 37% fair, 52% good, 2% excellent; 93% emerged, 93% 1999, 92% avg. Sorghum planting edged closer to completion. Spring plowing 100% plowing, 100% 1999, 99% avg. Sugarcane 2% very poor, 10% poor, 39% fair, 44% good, 5% excellent. Sweetpotatoes 56% planted, 55% 1999, 42% avg. Wheat 99% harvested, 88% 1999, 74% avg. Wheat harvest was in full swing. Livestock 3% very poor, 10% poor, 33% fair, 43% good, 11% excellent. Vegetables 9% very poor, 15% poor, 34% fair, 36% good, 6% excellent.

MARYLAND: Days suitable for fieldwork 5.1. Topsoil 4% short, 84% adequate, 12% surplus. Subsoil moisture 1% very short, 11% short, 80%

adequate, 8% surplus. Winter wheat 1% very poor, 2% poor, 14% fair, 71% good, 12% excellent; 36% turned, 41% 1999, 28% avg. Barley 1% very poor, 3% poor, 10% fair, 70% good, 16% excellent; 90% turned, 82% 1999, 73% avg.; 7% harvested, 20% 1999, 10% avg. Rye 1% poor, 9% fair, 75% good, 15% excellent; 46% turned, 64% 1999, 44% avg. Tomatoes 86% planted, 94% 1999, 91% avg. Sweet corn 89% planted, 89% 1999, 84% avg. Field Corn 94% planted, 95% 1999, 92% avg. Cucumbers 59% planted, 59% 1999, 64% avg. Snap beans 58% planted, 59% 1999, 72% avg. Cantaloupes 89% planted, 91% 1999, 91% avg. Soybeans 37% planted, 43% 1999, 37% avg. Sorghum 31% planted, 49% 1999, 36% avg. Watermelons 65% planted, 92% 1999, 89% avg. Strawberries 69% harvested, 45% 1999, 42% avg. Pasture feed 1% very poor, 3% poor, 20% fair, 54% good, 22% excellent. Apple 17% fair, 69% good, 14% excellent. Peach 12% fair, 67% good, 21% excellent. Hay supplies 1% very short, 8% short, 79% adequate, 12% surplus. Percent of cutting hay crop harvest; 1st cutting clover, other hays 61% cut, 71% 1999, 53% avg; 1st cutting alfalfa 75% cut, 81% 1999, 71% avg; 2nd cutting 6% cut, 16% 1999, 5% avg. Activities: Warm, dry weather kept planting of crops on pace, corn planting wrapping up in this coming week.

MICHIGAN: Days suitable for fieldwork 4.0. Topsoil 1% very short, 2% short, 64% adequate, 33% surplus. Subsoil 2% very short, 11% short, 71% adequate, 16% surplus. All Hay 1st cutting 17%, 27% 1999, 17% avg. Asparagus harvested 90%, 69% 1999, 66% avg. Corn 87% planted, 95% 1999, 91% avg. Potatoes 88% planted, 94% 1999, 91% avg.; 69% emerged, 65% 1999, 59% avg. Rain across State again this week, temperatures normal to 3rd below normal. Rainfall amounts over 2 inches Southwest Lower Peninsula to one-third of inch Upper Peninsula. Continued slow growth of crops. Corn is very yellow in most fields due to cold soil temperatures, slow emergence. Soybeans were progressing slowly, herbic spray programs delayed. Some fields of winter wheat were beyond flowering, powdery mildew present. Harvesting of alfalfa was underway, but weather to delayed. Oats, barley to be in good condition. Asparagus harvest completed on many fields, weed control, fertilizer applied. Cabbage good with the exception of water damaged areas. Potatoes 6 inches in height. Carrot planting completed, early carrots in the second true leaf stage. Sweet corn slow in development because of cooler temperatures. Tomato transplanting continued, early planted fields have their first flowers. Pepper transplanting continued with little growth due to cool temperatures. Squash planting continued, early planted peas were 6 inches in height. Snap bean planting behind because of rain but early plantings were emerging. Rainfall, cooler temperatures pushed season back toward normal range in terms of growth, development of fruit crops. Apple growers had difficulty finding a spraying window for chemical thinning. Fireblight symptoms became widespread in some parts of State. High numbers of codling moth adults. Red Delicious 10-18 mm in diameter. Tart cherry production potential as widely variable in the West Central area. Sweet cherries were 12-16 mm in diameter while plum trees had 18-21 mm fruit. Hand thinning of peaches began in Southwest, where green peach aphids were very active. Blueberries remained in early green fruit stage with berries up to 12 mm. Strawberry harvest began in southern counties. Fall raspberry canes reached 12-18 inches while summer raspberry canes were in full bloom. Concord grapes had 10-16 inch shoots. Insect activity in northwest wine grapes was light.

MINNESOTA: Days suitable for fieldwork 2.6. Topsoil 3% very short, 4% short, 74% adequate, 19% surplus. Spring Wheat 29% jointed, 15% 1999, 13% avg. Oats 46% jointed, 24% 1999, 22% avg. Barley 29% jointed, 13% 1999, 12% avg. Corn 13% cultivated, 6% 1999, 11% avg. Soybeans 4% cultivated, 1% 1999, 3% avg. Potatoes 97% planted, 79% 1999, 78% avg. Sweet corn 83% planted, 76% 1999, 76% avg. Dry beans 95% planted, 64% 1999, 65% avg. Alfalfa 45% 1st cutting, 49% 1999, 27% avg. Pasture feed 1% very poor, 4% poor, 26% fair, 60% good, 9% excellent. Thoughts of a possible drought this summer have subsided in the Southeastern, South Central Districts of the state. Rain, rain and more rain was received for an average of 6.93 inches in the Southeast, 5.98 inches in the South Central. The abundance of rain in these districts caused flooding in many areas. Meanwhile, the northern part of the Red River Valley has missed most of the rains, topsoil moisture has become very short. A heavy hail storm struck Lincoln, Pipestone counties. Cool temperatures have delayed the development of corn, soybeans across the state.

MISSISSIPPI: Days suitable for fieldwork 6.5. Soil moisture, 23% very short, 44% short, 32% adequate and 1% surplus. Corn 2% very poor, 6% poor, 26% fair, 54% good, 12% excellent. Cotton 99% planted, 99% 1999, 99% avg.; 13% squaring, 8% 1999, 17% avg.; 4% poor, 24% fair, 58% good, 14% excellent. Rice 91% emerged, 98% 1999, 98% avg.; 2% poor, 31% fair, 55% good, 12% excellent. Sorghum 99% planted, 99% 1999, 95% avg. Soybean 91% planted, 89% 1999, 85% avg.; 83% emerged, 81% 1999, 76% avg.; 4% poor, 24% fair, 58% good, 14% excellent. Wheat 92% mature, 85% 1999, 76% avg.; 48% harvested, 46% 1999, 26% avg.; 6% poor, 30% fair, 47% good, 17% excellent. Sweetpotatoes 50% planted, 42% 1999, 29% avg. Watermelons 90% planted, 87% 1999, 92% avg.; 2% very poor, 9% poor, 23% fair, 61% good, 5% excellent. Hay (Cool Season) 96% harvested, 91% 1999, 85% excellent.; (Warm Season) 18% harvested, 23% 1999, 18% avg.; 5% very poor, 15% poor, 29% fair, 42% good, 9% excellent. Blueberries 2% poor, 53% fair, 44% good, 1% excellent. Cattle, 2% very poor, 5% poor, 29% fair, 54% good, 10% excellent. Pasture 12% very poor, 17% poor, 28% fair, 37% good, 6% excellent.

MISSOURI: Days suitable for fieldwork 5.6. Topsoil 23 % very short, 37 % short, 39 % adequate, 1 % surplus. Temperatures were normal to 10⁰ above normal across the State. Across the northern third of the State rainfall varied from 0.58 inches to 0.90 inches. The southwestern, south-central districts received 0.02 inches, 0.05 inches respectively, while the Bootheel received 0.10 inches of rain. Row crops continue in mostly fair to good condition, but farmers remain concerned about soil moisture supplies for future growth. Recent limited rainfall brought little relief to topsoil moisture supplies, subsoil moisture, stock ponds.

MONTANA: Days suitable for fieldwork 4.1. Topsoil 17% very short, 33% short, 50% adequate, 0% surplus. Subsoil moisture 32% very short, 36% short, 32% adequate, 0% surplus. Oats 93% emerged, 70% 1999, 77% avg.; 7% boot, 1% 1999, 3% avg.; 4% very poor, 11% poor, 38% fair, 41% good, 6% excellent. Corn 97% emerged, 70% 1999, 80% avg.; 1% very poor, 8% poor, 48% fair, 38% good, 5% excellent. Dry 97% beans planted, 86% 1999, 95% avg.; 77% emerged, 55% 1999, 67% avg.; 0% very poor, 20% poor, 52% fair, 27% good, 1% excellent. Potatoes 71% planted, 87% 1999, 83% avg.; 24% emerged, 14% 1999, 17% avg. Sugar beets 0% very poor, 9% poor, 42% fair, 41% good, 8% excellent. Barley in boot 8%, 0% 1999, 2% avg. Spring wheat in boot 5%, 1% 1999, 2% avg. Winter wheat in boot 63%, 36% 1999, 44% avg. Much-needed precipitation fell across the state this week. Despite the moisture, many areas of the state are still below normal for precipitation for the crop season. This year, grasshopper populations have the possibility to be the highest seen in decades. A mild winter, this spring's dry, warm emergence period have led to low death rates, advanced growth rates. Producers could see crop damage as grasshoppers move off rangeland into their crops. The Russian Wheat Aphid is still causing problems for many of the state's grain producers. While most winter wheat plantings are too far along to be seriously affected by aphids, spring wheat, barley can still be damaged. Cattle, calves moved to summer ranges 80%, 84% 1999, 87% avg. Sheep, lambs moved to summer ranges 75%, 73% 1999, 81% avg. Most areas of the state still report inadequate water supplies, poor water quality. Precipitation during the last week will help range conditions, however, it may be too late to salvage dryland hay in Central State

NEBRASKA: Days suitable for fieldwork 5.9. Topsoil rated mostly short to adequate with subsoil moisture supplies mostly short to very short. Temperatures for the week averaged 3 to 5⁰ above normals, except for portions of the Northeast, Central regions. Precipitation light across most areas of State. Northeastern counties averaged .5 to 1.0 inch. Corn 99% emerged, 89% 1999, 83% avg.; 1% very poor, 6% poor, 34% fair, 45% good, 14% excellent. Soybeans 99% planted, 84% 1999, 72% avg.; 92% emerged, 41% 1999, 43% avg.; 1% very poor, 9% poor, 41% fair, 40% good, 9% excellent. Sorghum 93% planted, 55% 1999, 60% avg.; 79% emerged, 19% 1999, 31% avg.; 2% very poor, 9% poor, 55% fair, 33% good, 1% excellent. Winter Wheat 11% very poor, 19% poor, 33% fair, 33% good, 4% excellent; 98% headed, 77% 1999, 63% avg.; 36% turning color, 3% 1999, 1% avg. Oats 6% very poor, 13% poor, 40% fair, 38% good, 3% excellent; headed 37%, 9% 1999, 7% avg. Dry beans 72% planted, 54% 1999, 31% avg.; 23% emerged, same as 1999, 22% avg. Alfalfa 1st cutting 66% harvested, 45% 1999, 22 avg.; 12% very poor, 13% poor, 30% fair, 41% good, 4% excellent; conditions in northern counties showed improvement. Alfalfa 1st cutting yields have been

significantly reduced in many eastern counties. Wild hay 8% very poor, 19% poor, 40% fair, 31% good, 2% excellent. Hay hotline established to assist producers needing hay to connect with those having hay for sale. Pasture, range 8% very poor, 19% poor, 40% fair, 31% good, 2% excellent. Other producer activities included: Scouting for insects, cultivating, haying, irrigating crops.

NEVADA: The week began with temperatures averaging above normal. Temperatures then cooled to near normal midweek, followed by high temperatures again at week's end. Precipitation was nil statewide. Irrigation water supplies becoming short in parts of Elko, Churchill counties. Crop development advanced in response to the high temperatures. Emergence of spring planted grains complete. Corn, tender vegetable planting continued. Alfalfa hay harvest in full swing. Alfalfa cutting was rushed in parts of Lincoln County due to earlier frost damage. Onions, garlic growing well. Potato planting complete. Weed, insect control active. Pasture, range conditions rated mostly fair to good. Range livestock movement to mountain allotments continued. Main farm, ranch activities: Alfalfa hay harvest, irrigation, weed, insect monitoring, control, working livestock, gopher control.

NEW ENGLAND: Days suitable for fieldwork: 6.2. Topsoil 2% short, 74% adequate, 24% surplus. Subsoil moisture 2% short, 74% adequate, 24% surplus. Pasture feed 4% fair, 54% good, 42% excellent. Maine potatoes 85% planted, 100% 1999, 85% avg. Rhode Island potatoes: 100% planted, 100% 1999, 95% avg.; 85% emerged, 85% 1999, 75% avg.; condition good. Massachusetts potatoes: 100% planted, 100% 1999, 100% avg.; 75% emerged, 95% 1999, 80% avg.; condition good. Oats in Maine: 99% planted, 100% 1999, 90% avg.; 95% emerged, 70% 1999, 60% avg.; condition fair to good. Barley in Maine: 100% planted, 100% 1999, 90% avg.; 95% emerged, 75% 1999, 65% avg.; condition good to fair. Silage corn: 55% planted, 90% 1999, 80% avg.; 25% emerged, 80% 1999, 50% avg.; condition good to fair. Sweet corn: 65% planted, 75% 1999, 70% avg.; 45% emerged, 65% 1999, 50% avg.; condition good to fair. Shade tobacco: 80% planted, 100% 1999, 90% avg. Broadleaf tobacco: 40% planted, 40% 1999, 35% avg. First crop hay 10% harvested, 40% 1999, 25% avg.; condition good. Apples: Full Bloom Stage to Petal Fall Stage, fruit set avg, condition good to fair. Peaches: Petal Fall Stage, fruit set avg, condition fair to good. Pears: Petal Fall Stage, fruit set avg, condition fair to good. Strawberries: Full Bloom Stage to Petal Fall Stage, fruit set avg to below avg, condition good to fair. Cranberries: Bud Stage to Early Bloom Stage, condition good to fair. Highbush blueberries: Full Bloom Stage to Petal Fall Stage, fruit set avg, condition good to excellent. Wild Blueberries: Full Bloom Stage, condition good to fair. Warmer, drier weather brought on a flurry of field activities as farmers worked to catch up on a delayed planting season. Major farm activities: Chopping grass, making dry hay, harrowing fields, applying herbicides, lime, fertilizer, planting corn, potatoes, broccoli, transplanting peppers, tomatoes, tobacco, harvesting lettuce, rhubarb, asparagus, radishes, spinach.

NEW JERSEY: Days suitable for field work 3.5. Topsoil 7% short, 93% adequate. Corn 85% planted. Sweet corn crop condition declined due to cold weather in some localities. Some fields showed nitrogen, phosphorus deficiencies attributed to unseasonably cool weather. Field corn plant growth was slowed by cool weather conditions. Hay harvest continued where conditions allowed. Some hail damage from last week's storm thinned peach, apple fruit set in some northern state orchards.

NEW MEXICO: Days suitable for field work 6.60. Topsoil 50% very short, 30% short, 20% adequate. Temperatures were above normal once again, the mercury hit 100⁰ at locations in the south, east. The statewide average was between 6 and 7⁰ above normal. State got a preview of the "monsoon" as some tropical moisture streamed northward from Mexico. About two thirds of the reporting stations managed to receive some measurable precipitation. Moriarty was the only site to record over, inch. The state received some moisture allowing the dryland wheat condition to slightly improve. Harvesting, irrigating were the main farm activities during the week. Onions were good to excellent with 13% harvested. Chile was in mostly good condition. The irrigated wheat crop remained in fair to good condition with total wheat only 7% harvested. Alfalfa was in mostly good condition, the 2nd cutting was 30% complete. Corn 100% planted, 100% emerged. Cotton 100% planted, 5% squaring. Peanuts 95% planted. Ranchers were still busy branding calves, hauling water

along with supplemental feeds to maintain the herds. Cattle conditions vary from very poor to good across the state. Sheep conditions were unchanged from the previous week. Pasture, range feed improved slightly with the rain, 31% very poor, 27% poor, 32% fair, 10% good.

NEW YORK: Days suitable 5.5. Soil moisture 40% adequate, 60% surplus. Pasture feed 4% poor, 5% fair, 45% good, 46% excellent. Wheat 12% fair, 59% good, 29% excellent. Corn 61% planted, 95% 1999, 82% avg. Oats 91% planted, 100% 1999, 96% avg. Alfalfa hay 17% harvested, 39% 1999, 26% avg. Clover-timothy 14% harvested, 28% 1999, 19% avg. Vegetable planting progressed rapidly. Some onion fields in poor shape due to heavy rainfall. Strawberry harvest about one week away. Tree fruit growers report a heavy set. Apples in good condition. Grape growers spraying fungicides. Bloom expected in one week in Lake Erie region.

NORTH CAROLINA: Days suitable for field work to 5.1 compared to 4.9 the previous week. Soil moisture 3% very short, 21% short, 60% adequate, 16% surplus. Slightly cooler temperatures accompanied by severe weather in isolated areas prevailed during the week. Hail, flash floods resulted in some scattered crop damage in the Piedmont, Coastal Plains regions. For the most part, however, areas that received rainfall welcomed the moisture as a relief from extremely dry conditions. The recent rains improved Cotton, peanut planting along with flue-cured tobacco setting were nearly completed this week with additional gains made in soybean planting. Major gains were realized in sweet potato planting, small grain harvesting. With most of the single cropped soybeans in the field, small grain harvest well underway, farmers will focus on double-cropping practices. Other activities included: Sorghum planting, burley tobacco setting, continued hay cutting.

NORTH DAKOTA: Days suitable for field work 5. Topsoil 5% very short, 8% short, 85% adequate, 2% surplus. Subsoil moisture was 5% very short, 13% short, 80% adequate, 2% surplus. ost seeding was completed this week, rain showers fell over most of the state. Durum wheat 97% planted, 66% 1999, 83% avg.; 85% emerged, 43% 1999, 55% avg.; 11% jointing, beyond, 4% 1999, 2% avg.; 1% boot, beyond, 1% 1999, 0% avg. Canola 96% emerged, 59% 1999; 35% rosette, 13% 1999. Dry edible beans 94% planted, 61% 1999, 71% avg.; 56% emerged, 27% 1999, 31% avg. Flaxseed 99% planted, 72% 1999, 68% avg.; 91% emerged, 51% 1999, 42% avg. Potatoes 98% planted, 91% 1999, 92% avg.; 48% emerged, 37% 1999, 32% avg. Soybeans 98% planted, 64% 1999, 72% avg.; 83% emerged, 33% 1999, 38% avg. Sugarbeets 95% emerged, 92% 1999, 86% avg. Sunflowers 87% planted, 49% 1999, 59% avg.; 37% emerged, 14% 1999, 22% avg. Emerged crop Durum wheat 1% very poor, 3% poor, 19% fair, 60% good, 17% excellent. Canola 2% very poor, 6% poor, 21% fair, 51% good, 20% excellent. Dry edible beans 7% very poor, 14% poor, 23% fair, 52% good, 4% excellent. Flaxseed 1% very poor, 3% poor, 15% fair, 63% good, 18% excellent. Potatoes 8% very poor, 27% poor, 31% fair, 29% good, 5% excellent. Soybeans 1% very poor, 3% poor, 14% fair, 71% good, 11% excellent. Sugarbeets 13% very poor, 22% poor, 22% fair, 38% good, 5% excellent. Sunflower 0% very poor, 2% poor, 15% fair, 68% good, 15% excellent. Broad leaf, wild oat spraying 49% and 64% complete respectively. Pasture, range conditions were 1% very poor, 6% poor, 28% fair, 54% good and 11% excellent. Stockwater supplies 1% very short, 5% short, 91% adequate, 3% surplus. Hay 91% of normal.

OHIO: Days suitable for fieldwork 3.1. Topsoil 0% very short, 4% short, 71% adequate, 25% surplus. Alfalfa hay 1st cutting 47%; 71% 1999; 37% avg. Corn 97% emerged; 98% 1999; 71% avg. Oats 23% headed; 36% 1999; 13% avg. Other hay 1st cutting 34%; 56% 1999; 28% avg. Potatoes 99% planted; 100% 1999; 94% avg.. Processing tomatoes 65% planted; 89% 1999; 77% avg. Soybeans 86% planted; 99% 1999; 69% avg. Soybeans 74% emerged; 89% 1999; 49% avg. Strawberries 30% harvested; 28% 1999; 15% avg. Tobacco 64% transplanted; 62% 1999. Winter wheat 16% turning; 17% 1999; 7% avg. Hay 1% very poor, 5% poor, 26% fair, 55% good, 13% excellent. Oats 0% very poor; 3% poor; 20% fair; 63% good; 14% excellent. Pasture 1% very poor, 5% poor, 23% fair, 56% good, 15% excellent. Corn 0% very poor, 2% poor, 16% fair, 58% good, 24% excellent. Soybeans 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Strawberries 0% very poor, 1% poor, 20% fair, 61% good, 18% excellent. Winter wheat 0% very poor, 1% poor, 11% fair, 51% good, 37% excellent. Activities for the week included: Replanting

corn, soybeans; spraying weeds; making hay; repairing machinery; chopping silage; fence, building maintenance; clipping seed heads in pastures; spraying orchards; hauling manure; scouting fields; moving grain. Reported insects included 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, potato leaf hoppers. Reported diseases were mildew in oats, wheat, rust on wheat, scab on apples. Reporters across northern State mentioned several problems that have been caused by excess precipitation. In the Northeast, North Central districts, corn, soybean acres need to be replanted. In several counties, intended corn acres are being replanted as soybeans. Hay is past its maturity in many places, but little has been made due to the continuing rains. Many fields are becoming weedy because they have been too wet to spray. Strawberry growers in northeastern counties are concerned that berries will mold with the excessive moisture. Livestock were reported in mostly excellent condition except where face fly pressures are high and pastures are too wet to graze.

OKLAHOMA: Days suitable for fieldwork 5.1. Topsoil 5% very short, 23% short, 66% adequate, 6% surplus. Subsoil 6% very short, 28% short, 65% adequate, 1% surplus. Wheat 99% soft dough, 95% last week, 84% 1999, 77% avg. Oats 1% very poor, 7% poor, 38% fair, 51% good, 3% excellent, 97% headed, 92% last week, 99% 1999, 93% avg.; 86% soft dough, 72% last week, 80% 1999, 64% avg.; 19% harvested, 4% last week, 4% 1999, 7% avg. Rye 4% poor, 20% fair, 71% good, 5% excellent, 99% soft dough, 90% last week, 97% 1999, n/a avg; 4% harvested, 3% last week, 6% 1999, 3% avg. Corn 1% poor, 32% fair, 60% good, 7% excellent, 100% emerged, 93% last week, 100% 1999, 98% avg.; 1% silking, n/a last week, 1% 1999, 1% avg. Sorghum 3% poor, 43% fair, 53% good, 1% excellent, 92% seedbed prepared, 87% last week, 94% 1999, 84% avg.; 41% emerged, 37% last week, 6% 1999, 13% avg. Soybeans 23% fair, 72% good, 5% excellent, 91% seedbed prepared, 88% last week, 96% 1999, 93% avg.; 71% planted, 68% last week, 43% 1999, 54% avg.; 60% emerged, 57% last week, 30% 1999, 33% avg. Peanuts 6% poor, 41% fair, 52% good, 1% excellent, 83% emerged, 57% last week, 70% 1999, 50% avg. Cotton 3% poor, 48% fair, 47% good, 2% excellent, 79% emerged, 65% last week, 53% 1999, 43% avg. Alfalfa Hay 1% very poor, 3% poor, 26% fair, 62% good, 8% excellent; 97% first cutting, 95% last week, 97% 1999, 92% avg.; 28% second cutting, 22% last week, 18% 1999, 14% avg. Other Hay 3% poor, 31% fair, 58% good, 8% excellent; 61% first cutting, 58% last week, 51% 1999, 45% avg. Watermelons 100% planted, 96% last week, 100% 1999, 83% avg.; 35% running, 30% last week, n/a 1999, n/a avg; Livestock 1% very poor, 1% poor, 21% fair, 68% good, 9% excellent; Cattle marketings slightly below avg. Feeder cattle prices are steady to \$1.00 per cwt. higher than last week.

OREGON: Days suitable for fieldwork 6. Topsoil 10% very short, 28% short, 58% adequate, 4% surplus. Subsoil 4% very short, 24% short, 65% adequate, 7% surplus. Barley 38% headed, 33% fair, 50% good, 17% excellent. Winter wheat 76% headed, 49% 1999, 66% 5 avg.; 36% fair, 51% good, 13% excellent. Range, pasture 2% poor, 22% fair, 64% good, 12% excellent. Activities: Small grains mostly in good condition statewide. Alfalfa, grass hay being cut, baled across most of state. Rain in Mid-Columbia basin & Northeast helpful to grain crops but some hay damaged. In Umatilla County canola past bloom in most areas, has a high pod count. In Sherman, Wasco counties rye pulling is underway. In Klamath basin some spotty but locally severe frost damage to grain, alfalfa, sugarbeet crops. Many alfalfa fields sprayed for alfalfa weevil control. In Willamette Valley warmer weather promoted a rapid increase in growth. Early tall fescue, fine fescue grass seed fields beginning to pollinate. Some orchard grass fields also beginning pollination. Nurseries, greenhouses are into summer activities with hot dry weather last weekend. Stock is being rotated, irrigation is underway. Easter lily growers roguing their fields of off type plants, weeding. Retail stores still selling a lot of bedding plants. Klamath County reported a few potatoes had emerged, sprinkle frost protection applied to emerged fields. In Willamette Valley most vegetables continue to thrive under sunny skies, processing crops still on schedule. Onions, potatoes doing well, sweet corn up, vigorous, green pea harvest near. Josephine County reported truck gardens busy putting in warm weather vegetables. In Hood River lower valley area, cool, windy weather slowed June drop of pear clusters. The concern is that this could affect pear size if cool weather continued. Strawberry season underway in western areas of State, other berries progressing well. Marion berries in full bloom, raspberries forming. In

southern coastal region, blueberries had started to show color development, rose bloom on cranberries. A fungus at infectious stage in some cranberry beds. Hazelnuts coming on, walnut trees blooming. Yamhill County reported cherry fruit fly not a problem yet. Livestock condition mostly good to excellent. Cattle movement to forest permits began in Lake county. Sheep shearing continued in Coos, Curry counties. Western pasture conditions mostly good; grass growth better than normal. Eastern rangeland in mostly good condition. Northeastern counties received some rainfall, which slowed normal drying. Malheur county continued drier than most other eastern areas.

PENNSYLVANIA: Days suitable for field work 4.6. Soil moisture 5% short, 81% adequate, 14% surplus. Spring plowing 96% complete, 97% 1999, 96% avg. Corn 92% planted, 94% 1999, 88% avg.; 85% emerged, 84% 1999, avg not available. Corn height 7 in., 5 in. 1999, 4 in. avg. Soybeans 73% planted, 78% 1999, 63% avg.; 60% emerged, 62% 1999, avg not available. Oats 95% emerged 97% 1999, avg not available. Potatoes 97% planted, 93% 1999, 85% avg. Tobacco 65% transplanted, 73% 1999, 41% avg. Alfalfa 1st cutting 56%, 59% 1999, 48% avg. Timothy clover 1st cutting 23%, 28% 1999, 21% avg. Activities include: Spring plowing; planting oats, potatoes, corn, soybeans, vegetables; 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 6.0. Soil moisture 34% very short, 39% short, 26% adequate, 1% surplus. Apples 4% poor, 87% fair, 9% good. Barley 99% ripe, 74% 1999, 68% avg.; 65% harvested, 41% 1999, 36% avg.; 7% fair, 36% good, 57% excellent. Cantaloupes 99% planted, 100% 1999, 98% avg.; 5% harvested, NA 1999; NA avg.; 6% poor, 40% fair, 54% good. Corn silked 21%, 9% 1999, 11% avg.; 13% very poor, 27% poor, 33% fair, 27% good. Cotton 87% planted, 96% 1999, 97% avg.; 8% squared, 7% 1999, 8% avg.; 3% very poor, 17% poor 41% fair, 39% good. Cucumbers 40% harvested, 21% 1999, 23% avg.; 4% poor, 29% fair, 67% good. Grain Hay 95% harvested, 97% 1999, 92% avg. Hay 15% very poor, 25% poor, 35% fair, 25% good. Oats 100% turned color, 96% 1999, 97% avg.; 97% ripe, 84% 1999, 82% avg.; 66% harvested, 54% 1999, 45% avg.; 1% poor, 26% fair, 59% good, 14% excellent. Peaches 11% harvested, 13% 1999, 11% avg.; 5% very poor, 8% poor, 18% fair, 54% good, 15% excellent. Peanuts 93% planted, 96% 1999, 94% avg.; 3% very poor, 15% poor, 54% fair, 28% good. Rye 100% turned color, 98% 1999, 97% avg.; 97% ripe, 77% 1999, 81% avg.; 57% harvested, 39% 1999, 40% avg.; 5% poor, 38% fair, 55% good, 2% excellent. Snap beans 100% planted, 99% 1999, 93% avg.; 25% harvested, NA 1999, NA avg; 10% poor, 20% fair, 70% good. Sorghum 85% planted, 72% 1999, 55% avg.; 15% headed, NA 1999, NA avg.; 6% poor, 11% fair, 83% good. Soybeans 52% planted, 50% 1999, 41% avg.; 39% emerged, 32% 1999, 21% avg.; 5% very poor, 10% poor, 41% fair, 43% good, 1% excellent. Sweetpotatoes 80% planted, 69% 1999, 68% avg.; 5% poor, 17% fair, 78% good. Tobacco 2% poor, 25% fair, 69% good, 4% excellent. Tomatoes 6% very poor, 3% poor, 5% fair, 86% good. Watermelons 99% planted, 99% 1999, 99% avg.; 11% poor, 35% fair, 54% good. Winter grazings 20% very poor, 32% poor, 24% fair, 19% good, 5% excellent. Winter wheat 98% ripe, 76% 1999, 77% avg.; 36% harvested; 29% 1999, 25% avg.; 1% very poor, 2% poor, 21% fair, 66% good, 10% excellent.

SOUTH DAKOTA: Days suitable for field work 4.0. Topsoil 1% very short, 9% short, 82% adequate, 8% surplus. Subsoil moisture 2% very short, 18% short, 73% adequate, 7% surplus. Feed 2% short, 87% adequate, 11% surplus. Stock water 2% very short, 9% short, 81% adequate, 8% surplus. Winter rye 5% poor, 18% fair, 63% good, 14% excellent. Winter rye boot 94%, 79% 1999, 63% avg. Winter rye headed 64%, 39% 1999, 24% avg. Winter rye turning color 0%, 0% 1999, NA% avg. Winter wheat boot 91%, 88% 1999, 57% avg. Winter wheat turning color 0%, 0% 1999, 1% avg. Spring wheat boot 39%, 9% 1999, 12% avg. Barley boot 16%, 7% 1999, 7% avg. Oats boot 26%, 11% 1999, 12% avg. Ave. corn height 6 in., 4 in. 1999, 2 in. avg. Corn cultivated once 10%, 6% 1999, 5% avg. Alfalfa hay 1% very poor, 11% poor, 27% fair, 51% good, 10% excellent. Alfalfa hay 1st cutting harvested 26%, 16% 1999, 9% avg. Other hay harvested 2%, 0% 1999, 1% avg. Range, pasture 1% very poor, 3% poor, 16% fair, 61% good, 19% excellent. Cattle condition 3% fair, 70% good, 27% excellent. Cattle moved to pasture 92% complete. Sheep condition 2% fair, 61% good, 37% excellent. Statewide, temperatures for the past week ranged

from 2 to 7⁰ below normal. The cool damp temperatures did not slow the winter crop progress as winter wheat headed jumped to 69%. All other crop progress slowed with the cool temperatures, but livestock, crops are still in fair to excellent condition.

TENNESSEE: Days suitable for fieldwork 5. Topsoil 2% very short, 16% short, 73% adequate, 9% surplus. Subsoil moisture 2% very short, 19% short, 74% adequate, 5% surplus. Tobacco 73% transplanted, 79% 1999, 64% avg.; 2% poor, 21% fair, 65% good, 12% excellent. Wheat 98% turning color, 93% 1999, 88% avg.; 37% ripe, 30% 1999, 26% avg.; 5% harvested, 8% 1999, 3% avg.; 3% very poor, 8% poor, 24% fair, 50% good, 15% excellent. Pastures 1% very poor, 5% poor, 28% fair, 53% good, 13% excellent. Alfalfa 93% first cutting complete, 93% 1999, 87% avg. Other hay 81% first cutting complete, 81% 1999. Cattle 3% poor, 20% fair, 61% good, 16% excellent. Farmers took advantage of dry weather, were busy harvesting hay, wrapping up cotton planting, transplanting tobacco, planting soybeans. Hay producers made excellent progress with their first cutting. Most producers should finish this week if conditions remain dry. Cotton growers completed planting last week, the crop is currently rated in mostly fair-to-good condition. With cotton planting complete, farmers in West Areas are turning their attention to soybean planting.

TEXAS: Rains improved crop, pasture feeds across portions of the Plains Central, State with some totals as high as fifteen inches. High winds, hail caused crop damage in some locations. In other areas continued high temperatures caused stress to pastures, crops. Planting remained on hold in some areas due to insufficient moisture levels. In other areas where moisture levels were more favorable producers continued with land preparation and planting activities. Haying continued where possible. Rainfall in some locations improved the condition of uncut fields. In general most crops were stressed by high temperatures, low soil moisture levels before any moisture fell. In the Rio Grande Valley, Winter Garden areas, vegetables continued to make progress, harvest continued in some locations, however some stress continued as a result of low moisture levels. Earlier rains enhanced wild flowers along roadways, pastures. Field Crops: Small Grains: Combining of wheat and oats continued in central areas, progressed across areas of the Plains. Yields were below average in many locations as a result of dry conditions but produced well in some other areas. Wheat 39% of normal compared with 69% 1999. Oats published 60%, 1999 52%, average 39%. Corn: Cultivation continued where needed, irrigated corn made good progress across the state. Dryland corn received some benefit from rains received during the week. Some acreage again received damage from hail and high wind associated with the weather front. Corn 80% of normal compared with 82% 1999. Planted published 100%, 1999 100%, average 100%. Silked published 49%, 1999 44%, average 33%. Dough published 28%, 1999 23%, average 10%. Dented published 3%, 1999 2%, average 1%. Cotton: Cotton planting continued in the plains. Some cotton planting remained on hold in portions of the Low Rolling Plains as adequate moisture was not available, however rain late in the week improved these conditions. Damage continued in some areas to young cotton plants from thrips, grasshopper populations. Statewide cotton conditions was rated at 63 percent of normal compared with 68 percent 1999. Setting Bolls published 6%, 1999 4%, average 3%. Rice: Flooding of rice fields continued. Some injury from army worm infestation has occurred. State wide rice condition was rated at 83 percent of normal compared with 94% 1999. Planted published 100%, 1999 95%, average 92%. Sorghum: Planting was active on the Plains. Some plantings may follow cotton if it fails. In the drier areas, planting may be delayed until sufficient moisture is received, however showers at week's end gave some relief to some of these areas. Irrigated acres continued to make good progress in all areas. Sorghum 74% of normal compared with 78% 1999. Headed published 35%, 1999 31%, average 28%. Turning Color published 18%, 1999 13%, average 8%. Mature published 4%, 1999 1%, average 0%. Harvested published 1%, 1999 0%, average 0%. Peanuts Some land preparation, planting continued to advance in southern and central areas but was mostly completed on the Plains. Rain at week's end improved emerging of dryland peanuts while irrigated peanuts continued to emerge well. In some areas damage from wind burn remained evident on younger plants across the state. Peanut 81% of normal compared with 82% 1999. Soybeans: Land preparation remained active where possible. Early planted beans continued to progress well but damage from army worms became evident in some areas. Commercial Vegetables, Fruit and Pecans. In the Rio Grande Valley, water melon, cantaloup harvest remained active, however some damage occurred from high winds.

Harvest remained active for greens, carrots, beans, peas, potatoes. Onion harvest was completed. Stress from lack of moisture continued to cause concern for producers.

In the San Antonio-Winter Garden, harvest of onions and carrots continued and green beans, peas made good to average progress. Chili peppers made good progress. Non-irrigated fields remained stressed by strong winds, high temperatures. In East Texas, planting was mostly completed for peas, cucumbers, peppers, sweet potatoes and egg plants. Harvest neared completion for onions, cauliflower. Insect, disease pressure continued to expand. In the High Plains, carrots, onions continued to make good progress but damage to young plants resulting from high winds across the area remained a problem. Peaches: Sprays to control insect pests continued and harvest of early varieties was mostly completed in southern areas. Damage occurred in some areas due to high winds, hail. Pecans: Nutlet development continued in most areas. Zinc applications, spraying for pecan nut casebearers continued to be applied by producers in southern and central areas. Possible damage occurred in some area as a result of high winds and hail. Range, Livestock: High winds and hot temperatures continued to slow and reverse recovery across the state before moisture fell. Some areas of the Trans-Pecos region received heavy rains. Movement of cattle continued to be necessary in some locations. Grasshopper populations continued to increase and affect pasture regrowth in some locations.

UTAH: Days suitable for field work 7. Topsoil 14% very short, 25% short, 59% adequate, 2% surplus. Subsoil moisture 10% very short, 26% short, 63% adequate, 1% surplus. Pasture, range feed 1% very poor, 17% poor, 31% fair, 48% good. Average alfalfa height 24 inches, 17 inches 1999, 19 inches avg. Alfalfa hay 1st cutting 34%, 23% 1999, 20% avg. Corn 78% emerged, 58% 1999, 26% avg.; height 5 inches, 4 inches 1999, 2 inches avg. Winter 25% wheat headed, 24% 1999, 36% avg. Oats 79% emerged, 93% 1999, 83% avg.; headed 8%, 6% 1999, 2% avg. Drybeans 15% planted, 27% avg. Barley 9% headed, 11% 1999, 5% avg. Spring wheat 9% headed, 9% 1999, 3% avg. Other hay 8%, 1% 1999, 3% avg. Cattle moved to summer range 63%, 70% 1999, 65% avg. Sheep moved to summer range 59%, 66% 1999, 59% avg. Major farm, ranch activities included: Irrigating crops, moving livestock to summer ranges. The 1st cutting of alfalfa hay has begun. Crops are consistently ahead of past years throughout the state. Dry conditions are helpful for harvesting crops, but with soil very dry, crops are being irrigated, some areas are very short on irrigation water, or are completely out of water. Alfalfa weevils are very severe this year, spider mites are infesting corn, Russian wheat aphids, cereal leaf beetles continue to be sprayed. Mormon crickets, grasshoppers are continuing to infest cropland, rangeland and are causing considerable damage. Frost damage from several weeks ago has severely stunted some fields.

VIRGINIA: Days suitable for fieldwork 5.1. Topsoil 1% very short, 11% short, 78% adequate, 10% surplus. Subsoil moisture 4% very short, 23% short, 66% adequate, 7% surplus. Pastures 1% very poor, 7% poor, 27% fair, 54% good, 11% excellent. Livestock 2% poor, 11% fair, 72% good, 15% excellent. Other Hay 4% poor, 29% fair, 56% good, 11% excellent. Alfalfa Hay 1% very poor, 1% poor, 20% fair, 48% good, 30% excellent. Corn for Grain 1% poor, 12% fair, 61% good, 26% excellent, 93% planted, 97% 1999, 94% 5-yr avg. Soybeans 39% planted, 43% 1999, 37% 5-yr avg. Winter Wheat 1% very poor, 6% poor, 34% fair, 45% good, 14% excellent. Barley 1% very poor, 5% poor, 23% fair, 46% good, 25% excellent. Flue-cured tobacco 17% fair, 53% good, 30% excellent. Flue-cured tobacco 99% transplanted, 100% 1999, 96% 5-yr avg. Burley tobacco 2% very poor, 2% poor, 6% fair, 80% good, 10% excellent. 82% transplanted, 79% 1999, 62% 5-yr avg. Dark Fire-cured tobacco 41% fair, 42% good, 17% excellent. Dark Fire-cured tobacco 84% transplanted, 93% 1999, 85% 5-yr avg. Sun tobacco 25% fair, 75% good. Sun tobacco 98% transplanted, 86% 1999, 82% 5-yr avg. Peanuts 22% fair, 69% good, 9% excellent, 94% planted, 100% 1999, 99% 5-yr avg. Cotton 13% fair, 70% good, 17% excellent, 99% planted, 100% 1999, 100% 5-yr avg. Apples 12% fair, 65% good, 23% excellent. Peaches 22% very poor, 2% poor, 13% fair, 53% good, 10% excellent. Wet fields from recent rains slowed fieldwork at the beginning of the week but as the week came to a close conditions were ideal for continued planting. The flue cured tobacco belt received widespread rain which generally improved conditions while some areas did report a few fields with drowned tobacco. Cultivation resumed by weeks end. Hay cutting is still a major activity with most farmers reporting above average yields. Cotton planting is virtually complete, corn planting should be finalized within the

next week. Farmers are anxious to finish planting so that harvest of small grains, the planting of double cropped soybeans can begin. Major activities for the week included: Harvesting squash, tying tomatoes, peppers, cultivation of cotton, getting equipment ready for small grain harvest.

WASHINGTON: Days suitable for fieldwork 5.2. Topsoil 1% very short, 23% short, 64% adequate, 12% surplus; subsoil moisture, 1% very short, 37% short, 58% adequate, 4% surplus. Winter wheat dryland 3% poor, 14% fair, 63% good, 20% excellent; irrigated 1% fair, 89% good, 10% excellent. Headed 60%, 44% 1999, 57% avg. Winter wheat got some much needed relief as precipitation fell on the major wheat centers of the state. Some frost damage was reported however, causing only minor damage. Spring wheat dryland 2% poor, 55% fair, 41% good, 2% excellent; irrigated 3% fair, 95% good, 2% excellent. Emerged 100%, 97% 1999, 98% avg.; headed 15%, 2% 1999, 11% avg. Barley, dryland 2% poor, 40% fair, 57% good, 1% excellent; irrigated 2% fair, 96% good, 2% excellent. Emerged 100%, 100% 1999, 97% avg.; headed 15%, 3% 1999, 12% avg. Cereal crops got relief as well with warmer weather, much needed precipitation. Barley experienced a little frost damage in central state. Potatoes 100% good, 99% emerged, 84% 1999, 93% avg. Alfalfa hay, 1st cutting 78% complete. Hay, roughage 85% adequate, 15% surplus. Range, Pasture 15% poor, 36% fair, 48% good, 1% excellent. Vegetable planting was well under way with pumpkins, other warm season vegetables being planted. Sweet corn planting was nearing completion. Asparagus harvest was still underway. Christmas tree growers were still applying chemicals to fight off aphids, fungus. The 1st cutting of alfalfa hay was delayed due to precipitation. Cherries suffered no unusual losses due to the precipitation. Strawberries were behind the normal maturity stage, raspberries lagged behind in the blooming stage. Most berry crops lagged behind in development. Pastureland received some relief with the precipitation. Most ranchers had sent their cattle out to pasture. The green pea harvest began.

WEST VIRGINIA: Days suitable for fieldwork 4.1. Topsoil 1% very short, 11% short, 85% adequate, Mostly open weather conditions allowed farmers to make progress planting crops, transplanting tobacco, harvesting hay. 3% excellent. Intended Acreage Prepared for Spring Planting 95%, 99% 1999, 95% 5-yr avg. Wheat 10% fair, 68% good, 22% excellent; Wheat headed 91%, 90% 1999, 84% 5-yr-avg. Hay 4% poor, 26% fair, 53% good, 17% excellent; Hay 1st cut 35%, 42% 1999, 24% 5-yr avg. Corn 18% fair, 69% good, 13% excellent. Corn 93% planted, 97% 1999, 87% 5-yr avg. Soybeans 84% planted, 91% 1999, 65% 5-yr avg. Oats 18% fair, 64% good, 18% excellent; 94% Planted, 100% 1999, 96% 5-yr avg.; 75% emerged, 89% 1999, 84% 5-yr avg. Tobacco 74% transplanted, 75% 1999, 59% 5-yr avg. Apple 7% poor, 63% fair, 26% good, 4% excellent. Peach 8% poor, 67% fair, 25% good. Cattle 1% very poor, 3% poor, 13% fair, 69% good, 14% excellent. Sheep 1% poor, 12% fair, 70% good, 17% excellent. Feed grain supplies 5% very short, 9% short, 73% adequate, 13% surplus. Hay, roughage supplies 10% very short, 18% short, 72% adequate.

WISCONSIN: Days suitable for fieldwork 1.9. Soil moisture 0% very short, 1% short, 51% adequate, 48% surplus. Another week of storms drenched southern state farms, left many low lying fields under water. Madison, Monroe, Plattville received over 6.0 inches of rain last week, many locations recorded record amounts for the month of May. Most of the rainfall came during the later half of the month, has kept farmers from spraying to control insect, weed infestations. Northern Areas finally received rainfall last week, but was still in need of additional amounts. Much of the hay cut before the rains spoiled in the fields. Further harvesting was very difficult due to water saturated fields. Alfalfa weevils were still active in some areas, but spraying was delayed because fields were extremely wet. First cutting of hay: 39% 2000, 47% 1999, 26% 5-year avg. Winter wheat slipped to 79% good-to-excellent condition last week, compared to 86% good-to-excellent the week before last. Winter wheat 0% very poor, 4% poor, 17% fair, 52% good, 27% excellent. The strawberry crop is in full bloom. Pasture feed 0% very poor, 3% poor, 13% fair, 61% good, 23% excellent.

WYOMING: Days suitable for fieldwork 6.8. Topsoil 6% very short, 53% short, 41% adequate. Subsoil moisture 8% very short, 58% short, 34% adequate. Barley 95% emerged, 86% 1999, 88% vg.; jointed 55%, 50% 1999, 49% avg.; boot 11%, 13% 1999, 13% avg. Barley 25% fair,

53% good, 22% excellent. Oats 81% emerged, 71% 1999, 74% avg.; jointed 13%, 21% 1999, 27% avg.; 24% fair, 68% good, 8% excellent. Spring wheat 83% emerged, 75% 1999, 73% avg.; jointed 16%, 38% 1999, 31% avg.; 5% boot, 2% 1999, 7% avg.; 26% fair, 68% good, 6% excellent. Winter wheat 99% jointed, 91% 1999, 88% avg.; 83% boot, 40% 1999, 58% avg.; 72% headed, 22% 1999, 26% avg.; 21% very poor, 23% poor, 12% fair, 44% good. Corn 99% planted, 97% 1999, 96% avg.; 96% emerged, 78% 1999, 78% avg.; 10% fair, 86% good, 4% excellent. Dry beans 69% planted, 72% 1999, 68% avg.; 14% emerged, 28% 1999, 27% avg. Sugarbeets 13% fair, 67% good, 20% excellent. Range flock ewes lambled 99%, 87% 1999, 85% avg. Livestock moved to summer ranges: 75% cattle, 45% sheep. Range, pasture feed 1% very poor, 4% poor, 42% fair, 51% good, 2% excellent. Stock water supplies 5% very short, 25% short, 70% adequate.