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Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 5.3. Topsoil 18% very short, 31% short, 51% adequate. Corn 58% silked, 62% 1999, 56% avg. Corn 28% very poor, 17% poor, 19% fair, 34% good, 2% excellent. Soybeans 87% planted, 90% 1999, 87% 5yr avg. Soybeans 78% emerged, 80%, 1999, 5 yr avg not available. Soybean 2% very poor, 18% poor, 37% fair, 43% good. Wheat 93% harvested, 78% 1999, 79% 5yr avg.; 2% very poor, 9% poor, 30% fair, 54% good, 5% excellent. Hay 93% Harvested, 92% 1999, 90% 5 yr avg. Pasture feed 19% very poor, 25% poor, 32% fair, 23% good. Livestock 4% very poor, 11% poor, 26% fair, 56% good, 3% excellent. State received much needed rainfall. Crop condition improved, except for peanuts. Pastures, hayfields are recovering. Harvesting peaches, vegetables underway, blueberries are ripening.

ALASKA: Days suitable for fieldwork 6.2. Topsoil 55% short, 45% adequate. Subsoil moisture 35% short, 65% adequate. Sunny, dry conditions at the end of the week allowed producers to start the 1st cutting hay harvest. Daytime high temperatures were mostly in the sixties, though eighties were not uncommon in the interior at the end of the week. Lows were mostly in the forties. Barley, 60% pre-boot, earlier, 40% in-boot, 40% fair, 50% good, 10% excellent. Oats 95% pre-boot, earlier, 5% in-boot, 40% fair, 50% good, 10% excellent. Mixed grains, pre-boot and earlier, 100%. Avg height of small grains, 10". Potatoes 80% emerged, 64% 1999, 72% avg.; 30% fair, 40% good, 30% excellent. Vegetable crop 5% fair, 75% good, 20% excellent. Hay 20% poor, 30% fair, 30% good, 20% excellent. Crop growth, 10% slow, 70% moderate, 20% fast. Wind, rain damage to new plantings 90% none, 5% light, 5% moderate. Major farming activities for the week included: Cutting hay fields, weed control, transplanting vegetables, irrigating vegetable, potato fields. The first crop hay harvest has begun.

ARIZONA: Precipitation, average temperatures were reported in Area during the week of June 25. Precipitation has little impact on field crops due to irrigation, but will help the range, pasture feeds. The early arrival of the monsoon season may alleviate the very dry range, pasture feeds reported throughout the State. Some areas have reported that stock water tanks are now full again after several months with no precipitation.

ARKANSAS: Days suitable 3.0. Soil moisture 2% short, 61% adequate, 37% surplus. Sorghum 97% emerged, 100% 1999, 5 yr avg.; 6% headed, 6% 5 yr. avg. 1% poor 2% poor, 21% fair, 72% good, 4% excellent. Cotton 76% squared, 78% 1999, 70% 5 yr. avg.; 4% setting bolls 1% 1999, 2% 5yr.avg.; 2% very poor, 11% poor, 31% fair, 51% good, 5% excellent. Soybean 86% planted, 89% 1999, 88% 5 yr.avg.; 76% emerged 79% 1999, 77% 5 yr. avg.; 4% bloomed, 6% 1999, 6% 5 yr. avg.; 2% very poor, 7% poor, 29% fair, 50% good, 12% excellent. Rice 4% headed, 1% 5yr.avg.; 1% very poor, 3% poor, 23% fair, 61% good, 12% excellent. Corn 10% fair, 61% good, 29% excellent. Wheat 93% harvest, 85% 1999, 81% 5 yr. avg. Alfalfa 1% very poor, 1% poor, 23% fair, 57% good, 18% excellent. Other hay 1% very poor, 2% poor, 24% fair, 53% good, 20% excellent. Pasture, Range 1% very poor, 2% poor, 15% fair, 58% good, 24% excellent. Soybean planting continued. Cotton, soybeans were being cultivated. Wheat harvest continued. Soybeans, rice were being sprayed with herbicides to control weeds. Some cotton fields were being sprayed for aphids, thrips. Many rice farmers were applying mid-season fertilizer and pre-flooding their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting,

baling 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: The hot weather was ideal for cotton development, with the crop maturing at a very good rate. Field crews were hoeing weeds. Cotton plants were blooming, fields were treated to control weeds, aphids, mites, lygus, worms. Alfalfa growth also benefitted from the warm weather. Cutting continued, hay drying conditions were excellent. However, heat may have affected quality in some areas. Alfalfa seed fields were blooming; a few growers were treating for lygus, worms, mites. Irrigated barley, corn fields were being harvested. Growers continued to plant corn for silage. Wheat harvest was active. Harvested fields were being burned off, prepared to re-plant to beans or corn. Most early planted corn fields were developing cobs. Late crops were undergoing irrigation, fertilizer applications. Many rice fields were treated for weeds, weevils. Sugarbeets were growing well, with some fields harvested. Vineyards, orchards were undergoing weed control, application of fungicides, irrigation. Growers were treating grape vineyards for mildew, leafhoppers. Harvest of grapes for fresh consumption was active in the Coachella Valley. Thompson Seedless, Flame Seedless were the main varieties moving. Harvesting was active in apricots, freestone peaches, nectarines, plums. Olives were still being thinned. Picking of grapefruit was active in the San Joaquin Valley. Lemon crop harvest was active in southern area. The harvest of valencia oranges progressed in the desert areas, the San Joaquin Valley. New crop citrus was experiencing "June drop." Strawberry picking was active on the central coast, winding down in the central valley. Late planted vegetables were thriving. Warmer weather was beneficial for the curing, drying of red onions. Sweet corn was treated for worms, new fields were planted. Good quality sweet corn was being picked, sold at local stands. Tomato growers sprayed whitewash to protect plants, fruit from sunburn. Weeding in tomato, bell pepper fields continued. Planting of cantaloupe, honeydew melon, bell pepper, freezer beans continued. Watermelon planting was winding down. Harvest of early watermelon was underway in the San Joaquin Valley. Cantaloupe harvest also began; maturity was good. There was some harvesting of romaine lettuce, collard, mustard greens. Picking of eggplant, cucumber, squash, string beans, bitter melon continued. Last week's hot weather caused some bloom drop on later planted eggplant, assorted peppers. Regular cucumber harvest was in full swing. The Salinas Valley garlic harvest continued; most of it was destined for processing. Additional vegetables harvested this week were: broccoli; carrots; Swiss chard; cilantro; fresh market processing cucumbers; fresh, processing onions; red, green leaf, lettuce; lemon grass; okra leaf; parsley; kabocha, summer scalloped, yellow crookneck, zucchini squash; snap peas; radishes; spinach; turnips. Valley, higher elevation summer pastures were in good condition. Livestock were in good condition. The movement of beef cattle from foothill pastures was complete. Operators were using water misters in dairy barns to improve milk production on hot days. Misters were also being used to cool turkeys in sheds. Bees were working in seed alfalfa, melon, safflower fields.

COLORADO: Days suitable for fieldwork 6.8. Topsoil 41% very short, 42% short, 17% adequate, 0% surplus. Subsoil moisture 37% very short, 37% short, 26% adequate, 0% surplus. Over all temperatures were more seasonal during the week with windy conditions, and limited precipitation. The southeast part of the state received some much needed moisture

over the weekend. Most crop condition ratings deteriorated due to the lack of moisture. Spring 79% barley headed, 68% 1999, 67% avg.; 20% turning color, 4% 1999, 16% avg.; 2% very poor, 6% poor, 15% fair, 57% good, 20% excellent. Dry onions 3% very poor, 5% poor, 21% fair, 57% good, 14% excellent. Sugar beets 2% very poor, 7% poor, 17% fair, 53% good, 21% excellent. Summer potatoes 1% very poor, 4% poor, 11% fair, 48% good, 36% excellent. Fall potatoes 4% poor, 15% fair, 56% good, 25% excellent. Dry beans 98% planted, 99% 1999, 88% avg.; 85% emerged, 91% 1999, 77% avg.; 12% very poor, 9% poor, 24% fair, 44% good, 11% excellent. Spring wheat 71% headed, 51% 1999, 45% avg.; 30% turning color, 3% 1999, 8% avg.; 5% very poor, 9% poor, 15% fair, 48% good, 23% excellent. Alfalfa 86% 1st cutting, 70% 1999, 69% avg.; 5% 2nd cutting, 3% 1999, 2% avg.

DELAWARE: Days suitable for fieldwork 6.4. Topsoil 11% short, 85% adequate, 4% surplus. Subsoil moisture 4% short, 92% adequate, 4% surplus. Winter wheat 1% poor, 15% fair, 77% good, 17% excellent. Winter wheat 13% harvested, 20% 1999, 13% avg. Barley 13% fair, 70% good, 17% excellent; 66% harvested, 88% 1999, 81% avg. Sweet corn 78% planted, 94% 1999, 92% avg. Cucumbers 73% planted, 51% 1999, 59% avg. Soybeans 63% planted, 63% 1999, 61% avg.; 47% emerged, 56% 1999, 21% avg. Sorghum 70% planted, 83% 1999, 75% avg. Green peas 73% harvested, 68% 1999, 70% avg. Snap beans 8% harvested, 0% 1999, 5% avg. Pasture feed 2% poor, 13% fair, 78% good, 7% excellent. Corn 11% fair, 81% good, 8% excellent. Soybean 2% poor, 10% fair, 76% good, 12% excellent. Apple 16% fair, 75% good, 9% excellent. Peach 13% fair, 77% good, 10% excellent. Hay supplies 18% short, 80% adequate, 2% surplus. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 35% cut, 14% 1999, 27% avg. Alfalfa 2nd cutting 31% cut, 50% 1999, 36% avg. Activities: Periodic showers not a help for harvesting barley, wheat since farmers are anxious to get double-cropped soybeans planted. Corn making rapid growth, pea harvest continues.

FLORIDA: Welcome rains including scattered showers, thunderstorms varied by area over most of State. Rainfall for week at major stations ranged from nearly a quarter of an inch in West Palm Beach area to over an inch, a half in Tallahassee area. Some smaller areas reported over 5 inches of rain. Temperatures during week at major stations averaged mostly one degree above normal. Highs were in 90s while lows were in upper 60s and 70s. Moisture in State mostly very short to short with scattered areas of adequate moisture. Farmers in areas that received rain replanting poor stands of peanuts. Irrigated tobacco in good condition. Tobacco harvest starting. Irrigated sugarcane in good condition. Sand land sugarcane being stressed by drought. First, second cutting of hay lost. Wild fires on Peninsula due to lack of rainfall. Peanuts 22% planted, 58% poor, 31% fair, 11% good. Recent rains continue helping to replenish soil moisture with more needed. Major vegetables available include: Watermelons, okra, tomatoes. Rain all citrus areas, more needed, trees, new crop fruit making good progress. Lakes, ponds, streams need to be refilled due to winter, spring drought. Valencia harvest almost over as supplies are running low. Grapefruit harvest down to few last crops. Honey tangerine harvest nearly over for year. Caretakers cutting cover crops, spraying, fertilizing, hedging, topping, burning grove trash, debris. Pasture feed 5% very poor, 65% poor, 30% fair. Cattle 5% very poor, 25% poor, 65% fair, 5% good. Panhandle: pastures in several locations received rain, grass growth started. Central: pasture feed improved at many locations following afternoon rains. However, stock ponds, lakes very low or dried up. West Central: pasture growth up slightly, but overall condition still poor to fair due to drought. Southwest pasture feed fair, condition of cattle, calves fair to good.

GEORGIA: Days suitable for field work 5.5. Soil moisture 31% very short, 35% short, 32% adequate, 2% surplus. Corn 54% dough, 57% 1999, 45% avg.; 19% dent, 19% 1999, 11% avg.; 3% mature, 3% 1999, 1% avg. Hay 28% very poor, 29% poor, 30% fair, 13% good. Peanuts 67% blooming, 65% 1999, 75% avg. Sorghum 27% very poor, 31% poor, 29% fair, 12% good, 1% excellent; 86% planted, 91% 1999, 88% avg. Soybeans 82% planted, 88% 1999, 86% avg. Tobacco 6% very poor, 20% poor, 42% fair, 30% good, 2% excellent; 7% harvested, 5% 1999, 7% avg. Watermelons 8% very poor, 14% poor, 43% fair, 31% good, 4% excellent; 44% harvested, 25% 1999, 25% avg. Apples 1% very poor, 2% poor, 35% fair, 51% good, 11% excellent. Peaches 6% very poor, 7% poor, 23% fair, 48% good, 16% excellent; 53% harvested, 35% 1999,

56% avg. Pecans 10% very poor, 23% poor, 43% fair, 23% good, 1% excellent. Scattered rains fell across much of the State last week, but soil moisture levels remained low. Temporary relief was brought to the fields and pastures that received rain. Pond, creek levels continued to drop. Irrigation was used where available. There were reports of improvement in cotton stands. Cut worms appeared in peanuts. Rain delayed further soybean planting. Hail damaged some tobacco, cotton fields. Tobacco harvesting proceeded. Pastures, hayfields continued to suffer from the dry conditions. Cattlemen fed recently harvested hay, liquidated herds. Dairy cattle were stressed as a result of warm weather, poor pasture feeds. Other activities included: Millet planting as well as harvesting watermelons, cantaloupes.

HAWAII: Variable weather remained fair to good for agriculture. Days mostly sunny to partly cloudy. Light winds. Rainfall was generally light, heavier amounts over weekend in southern islands. Banana and papayas in active harvest. Crop condition mostly good. Head cabbage and other cool-weather crops in fair to good condition. Warmer temperatures hampering crop development. Watermelon harvesting increasing.

IDAHO: Days suitable for field work 6.4. Topsoil 14% very short, 29% short, 55% adequate, 2% surplus. Crops remain in good condition despite the continued warm, dry weather. Precipitation totals were minimal across most of the state. The 2nd cutting of alfalfa hay is well underway. Irrigation supply 22% excellent, 41% good, 26% fair, 8% poor and 3% very poor. Oats headed 24%, 1999 32%. Dry Beans 92% emerged, 79% 1999, 80% avg. Cherries 10% harvested, 3% 1999, 10% avg. Potatoes 100% emerged, 94% 1999, 93% avg.; 12" high 63%, 23% 1999, 30% avg.; closing 22% middles, 3% 1999, 7% avg. Alfalfa hay 1st cutting 83% harvested, 70% 1999, 63% avg.; 2nd cutting 6% harvested, 2% 1999, 1% avg. Winter wheat 82% headed, 66% 1999, 74% avg.; turning 8% color, 6% 1999, 100% jointed; 100% booted. Spring wheat 53% headed, 24% 1999, 24% avg.; 94% jointed; 79% booted. Spring barley 49% headed, 28% 1999, 25% avg.; 95% jointed; 78% booted. Activities: Cultivating, irrigating, spraying weeds, monitoring for disease, pests.

ILLINOIS: Days suitable for fieldwork 3.1. Topsoil 6% short, 70% adequate, 24% surplus. Corn height 46 in., 37 in. 1999, 25 in. avg. Wheat 99% turning yellow, 97% 1999, 88% avg.; 87% ripe, 78% 1999, 57% avg. Oats 96% headed, 96% 1999, 78% avg.; 67% filled, 64% 1999, 37% avg.; 23% turning yellow, 20% 1999, 7% avg.; 6% ripe, 9% 1999, 2% avg.; 1% poor, 11% fair, 61% good, 27% excellent. Alfalfa 1st 97% cut, 95% 1999, 89% avg.; 2nd 28% cut, 24% 1999, 10% avg.; 1% poor, 13% fair, 62% good, 24% excellent. Red clover 81% cut, 86% 1999, 75% avg.; 4% poor, 17% fair, 59% good, 20% excellent. Rainfall last week hindered replanting progress of flooded crops in the northern portion of the state. The southern portion is now reporting standing water, flooding in low-lying areas as well. Winter wheat harvest is underway in all areas in the state, though somewhat delayed. There have been reports of low tests weights due to disease, the hot, dry weather during crop development. Despite the wet weather, the corn crop remains ahead of normal. Soybeans are also ahead of normal. Other activities for last week included: Caring for livestock, spraying soybeans.

INDIANA: Days suitable for fieldwork 2.3. Topsoil 3% short, 63% adequate, 34% surplus. Subsoil 4% very short, 19% short, 64% adequate, 13% surplus. Field activities slowed by rain, heavy amounts some areas. Ponding, flooding in low lying areas, some fields. Corn growing rapidly, many fields are waist high. Precipitation averaged 0.78 inches to 4.42 inches. Temperatures averaged 3° below normal to 2° above normal. Soybean planting complete, except for double crop soybeans. Weeds in many soybean fields. Post herbicide applications difficult, wet, windy conditions. Range, pasture 1% very poor, 6% poor, 24% fair, 50% good, 19% excellent. Transplanting of tobacco 97%, 93% 1999, 74% avg. First cutting alfalfa hay 98% complete, 100% 1999, 84% avg. Livestock in mostly good condition. Major activities: Harvesting winter wheat, planting double crop soybeans, cutting, baling hay, spraying, mowing pastures, cleaning up, equipment repair, cultivating, scouting fields, hauling manure, feeding, caring for livestock.

IOWA: Days suitable for field work 5.5. Topsoil 11% very short, 26% short, 56% adequate, 7% surplus. Subsoil moisture 27% very short, 35% short, 35% adequate, 3% surplus. Farmers in north central to east

central state would like to see some warm, sunny weather. In east central section of state, reports of excessive soil erosion, water standing in low spots causing crops to be planted for third time. Producers in western, southwestern parts of state still needing more rain. Getting soybeans sprayed continued to be a problem this week. High winds, wet weather for some slowed, or made herbicide application difficult. Hot, southwesterly winds being blamed for stressing some crops in west central, northwest areas of State. Corn 72% cultivated, 56% 1999, 50% avg. Corn stand compared to normal 94%. Corn height: tallest 47 inches; average 35 inches. Corn 1% very poor, 6% poor, 24% fair, 48% good, 21% excellent. Soybeans 100% emerged, 98% 1999, 95% avg.; 12% blooming, 1% 1999, 2% avg. Soybean 2% very poor, 7% poor, 29% fair, 48% good, 14% excellent. Oats 98% headed, 94% 1999, 69% avg.; 38% turning, 14% 1999, 9% avg.; 1% very poor, 8% poor, 27% fair, 51% good, 13% excellent. Winter wheat 14% harvested, 1% very poor, 9% poor, 30% fair, 47% good, 13% excellent. Range, pasture feed 14% very poor, 23% poor, 33% fair, 23% good, 7% excellent. First cutting 99% of alfalfa, 86% 1999, 79% avg.; second cutting 13%, 4% 1999, avg. 3%. First cutting of clover hay 85%, 1999 59%, avg. 46%. Hay condition: 9% very poor, 15% poor, 29% fair, 34% good, 13% excellent. Livestock generally in good condition. In northeast, east central State pastures growing well, with cattle barely keeping up with grass. However, west central, southern third of state continue to see shortage of hay; some pastures drying up.

KANSAS: Days suitable for fieldwork 4.5. Topsoil 13% very short, 35% short, 37% adequate, 15% surplus. Subsoil moisture 11% very short, 37% short, 46% adequate, 6% surplus. Wheat harvest continues rapidly. Wheat 100% ripe, 74% 1999, 59% avg. Sorghum 94% emerged, 80% 1999. Sunflowers 92% planted, 86% 1999, 79% emergence, 3% poor, 33% fair, 61% good, 3% excellent. 2nd cutting alfalfa 61%, 26% 1999, 27% avg. Range, Pasture feed 6% very poor, 15% poor, 34% fair, 39% good, 6% excellent.

KENTUCKY: Days suitable for fieldwork 3.2. Topsoil 1% very short, 9% short, 72% adequate, 18% surplus. Subsoil moisture 6% very short, 31% short, 53% adequate, 10% surplus. Rains throughout the week generally improved the growth of crops. Some crop damage in low lying areas where heavy rains were received. Few disease, insect problems reported in corn, tobacco. Corn 10% silking. Single crop soybeans 98% planted, second crop soybeans 45% planted. Emerged soybean height averaged 8 inches high. Set tobacco 1% very poor, 4% poor, 18% fair, 59% good, 18% excellent. About 11% of the crop was over 24 inches tall, 44% was between 12-24 inches, 45% was under 24 inches. Barley 93% harvested, wheat 72% harvested. Pastures 1% very poor, 7% poor, 30% fair, 49% good, 13% excellent. Sorghum 80% planted.

LOUISIANA: Days suitable for fieldwork 5.5. Soil moisture 7% very short, 27% short, 62% adequate, 4% surplus. Corn 6% very poor, 8% poor, 24% fair, 56% good, 6% excellent; 95% silked, 95% 1999, 91% avg.; 65% dough stage, 36% 1999, 46% avg.; 9% mature, 1% 1999, 2% avg. Hay 89% 1st cutting, 92% 1999, 87% avg. Hay producers were harvesting. Peaches 45% harvested, 51% 1999, 42% avg. Soybeans 99% planted, 100% 1999, 96% avg. Sorghum 99% emerged, 100% 1999, 99% avg. Sorghum conditions improved with the rain that was received. Sugarcane 11% poor, 31% fair, 43% good, 15% excellent. Sugarcane farmers were scouting for bores, working fallow land. Sweetpotatoes 90% planted, 95% 1999, 84% avg. Sweet potato planting continued to make good progress. Livestock 2% very poor, 7% poor, 35% fair, 43% good, 13% excellent. Vegetables 5% very poor, 13% poor, 37% fair, 38% good, 7% excellent.

MARYLAND: Days suitable for fieldwork 5.1. Topsoil 4% short, 92% adequate, 4% surplus. Subsoil moisture 7% short, 91% adequate, 2% surplus. Winter wheat 1% very poor, 4% poor, 24% fair, 63% good, 8% excellent. Barley 1% very poor, 5% poor, 18% fair, 67% good, 9% excellent; 60% harvested, 81% 1999, 70% avg. Rye 1% poor, 10% fair, 76% good, 13% excellent. Cucumbers 81% planted, 93% 1999, 94% avg.; 30% harvested, 22% 1999, 14% avg. Soybeans 75% planted, 74% 1999, 70% avg.; 68% emerged, 66% 1999, 27% avg. Sorghum 81% planted, 82% 1999, 83% avg. Potatoes 9% harvested, 9% 1999, 5% avg. Green peas 78% harvested, 86% 1999, 76% avg. Pasture feed 1% very poor, 3% poor, 21% fair, 51% good, 24% excellent. Corn 1% very poor, 1% poor, 8% fair, 64% good, 26% excellent. Soybean 1% very poor, 2%

poor, 17% fair, 64% good, 16% excellent. Apple 20% fair, 67% good, 13% excellent. Peach 13% fair, 67% good, 20% excellent. Hay supplies 4% short, 88% adequate, 8% surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 31% cut, 36% 1999, 16% avg.; 2nd cutting alfalfa 30% cut, 41% 1999, 30% avg. Activities: Rain keeping corn looking great but slowing small grain harvest.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 1% very short, 7% short, 71% adequate, 21% surplus. Subsoil 1% very short, 17% short, 70% adequate, 12% surplus. All Hay 2% very poor, 4% poor, 21% fair, 57% good, 16% excellent. Oats 3% poor, 23% fair, 68% good, 6% excellent. All Hay 1st cutting 62%, 83% 1999, 73% avg. Corn Height 11 inches, 20% in 1999, 15% avg. inches. Drybeans 87% planted, 91% 1999, 82% avg.; 46% emerged, 81% 1999. Oats 64% headed, 73% 1999, 46% avg. Soybeans 94% planted, 99% 1999, 96% avg. Strawberries 82% harvested, 88% 1999, 58% avg. Warm, dry, windy conditions early week gave saturated fields southern state a chance to dry. Dry weather welcome as many farmers' fieldwork had been delayed by wetter than normal conditions this spring. Fields across State showing signs of wet, cool spring. Bare areas where water ponded replanted. Precipitation for week ranged from 0.25 inches Central Lower Peninsula to 2.27 inches Southeast Lower Peninsula. Growing degree days (GDD) remained above average across State, with exception being Thumb which continued slightly below normal for season. Corn height variable, reports of European corn borer moths continued. Weed control ranged from excellent to poor throughout State. Corn looking better with a healthier dark green color due to warmer conditions. Reports showed that a handful of producers still trying to finish soybean planting. Soybeans still emerging and looking better. Wheat fields turning rapidly. Scab present some fields, but not a problem. Potato leafhopper numbers below threshold alfalfa fields. First cutting still underway, with reports from excellent to poor yields. Oats, barley heading, with good stands. Sugarbeets stands looking good. Dry bean producers looking to finish up planting, with some having to replant. Cabbage continued to look good most fields. Early planted potatoes beyond bloom. Sweet corn continued to develop well and early plantings had tassels showing. Processing tomatoes all planted with earlier planted fields yellow with flowers. Market tomatoes had fruit developing 2 inches or more size. Pepper transplants had greened, but growth slow due to cool, cloudy weather Southwest. Cucumber harvest began and summer squash harvest continued Monroe County, Southwest. Snap bean planting Montcalm County progressing, fields looking good; early plantings flower. Insecticides being applied on onions Macomb County. Replanted carrot fields emerging. Late planted peas bloom. Apples ranged from 1.25 to 1.75 inches diameter. Fire blight has done extensive damage some Southwest orchards. Tart cherries ranged from coloring fruit Southwest to straw-colored fruit Northwest. Harvest will start this week Southwest. Sweet cherry harvest started Southwest. Cherry leaf spot a problem Northwest. Plum trees had 1.0 to 1.25 inch fruit, while peach trees had 1.75 inch fruit. Blueberries late green fruit stage. Strawberry harvest continued southern, central counties. Fall raspberry canes had green fruit, while summer raspberry harvest started last week. Concord grapes had buckshot berries.

MINNESOTA: Days suitable for fieldwork 2.9. Topsoil 2% very short, 2% short, 69% adequate, 27% surplus. Spring Wheat 90% jointed, 88% 1999, 76% avg. Oats 92% jointed, 92% 1999, 87% avg. Barley 89% jointed, 79% 1999, 71% avg. Corn 72% cultivated, 72% 1999, 69% avg.; 24 in. height, 25 in. 1999, 21 in. avg. Soybeans 40% cultivated, 37% 1999, 37% avg.; 7 in. height, 6 in. 1999, 6 in. avg. Alfalfa 86% 1st cutting, 93% 1999, 88% avg. Pasture feed 1% very poor, 4% poor, 25% fair, 59% good, 11% excellent. Rain delayed fieldwork for a second week for most of the state. Rain, wind across the southern half of the state halted spraying of soybeans, corn. Rains were spotty and missed scattered portions of the state. Areas that missed rain this week still had adequate topsoil moisture, crops were in good to excellent condition. Hail was reported in Yellow Medicine, Morrison counties. Flooding has occurred in areas surrounding the Wild Rice River, the South Branch of the Wild Rice River, affecting Mahanomen, Norman, Clay, Becker counties.

MISSISSIPPI: Days suitable for fieldwork 5.6. Soil moisture, 15% very short, 32% short, 50% adequate and 3% surplus. Corn 83% silked, 82% 1999, 70% avg.; 4% very poor, 4% poor, 16% fair, 58% good, 18% excellent. Cotton 80% squaring, 83% 1999, 78% avg.; 13% setting bolls, 17% 1999, 13% avg.; 1% very poor, 3% poor, 20% fair, 59% good, 17% excellent. Rice 2% headed, 3% 1999, 4% avg.; 2% poor, 12% fair, 70%

good, 16% excellent. Soybean 99% emerged, 96% 1999, 90% avg.; 43% blooming, 44% 1999, 28% avg.; 3% poor, 23% fair, 59% good, 15% excellent. Wheat 99% harvested, 96% 1999, 90% avg. Sweetpotatoes 90% planted, 86% 1999, 71% avg.; 1% poor, 46% fair, 48% good, 5% excellent. Watermelons 98% planted, 98% 1999, 98% avg.; 4% harvested, 10% 1999, 6% avg.; 1% very poor, 11% poor, 11% fair, 66% good, 11% excellent. Hay (Warm Season) 36% harvested, 46% 1999, 41% avg.; 10% very poor, 23% poor, 35% fair, 29% good, 3% excellent. Blueberries 16% poor, 39% fair, 29% good, 16% excellent. Cattle, 5% very poor, 9% poor, 24% fair, 55% good, 7% excellent. Pasture 16% very poor, 18% poor, 26% fair, 35% good, 5% excellent. Insects continue to be a problem in cotton throughout some parts of the state. Lack of rain is stressing crops in some parts of the state.

MISSOURI: Days suitable for fieldwork 3.1. Topsoil 6% very short, 14% short, 66% adequate, 14% surplus. Subsoil moisture 18% very short, 38% short, 42% adequate, 2% surplus. Temperatures during the past week ranged from 3° below normal to 1° above normal. The weekly precipitation averaged 2.73 inches, ranging from 0.58 inches in the southeast to 4.86 inches in the northwest district. Crops are continuing to benefit from plentiful moisture supplies, however some low-lying fields are suffering from standing water. Wheat harvest is over 60% compared to 32% 1999, 29% normal. Double-crop soybeans planted 53%, compared to 24% 1999, 22% normal. Second crop alfalfa hay 43% cut, compared with 25% in 1999, 16% avg. Other hay cut 77% complete, 67% in 1999, 59% avg. Cotton setting bolls is 8% complete, compared to 24% 1999, 6% normal. Pasture feeds 15% very poor, 23% poor, 43% fair, 18% good, 1% excellent.

MONTANA: Days suitable for fieldwork 5.5. Topsoil 17% very short, 33% short, 49% adequate, 1% surplus. Subsoil moisture 30% very short, 44% short, 26% adequate, 0% surplus. Oats 48% boot, 31% 1999, 44% avg.; 22% headed, 8% 1999, 12% avg.; 4% very poor, 16% poor, 35% fair, 36% good, 9% excellent. Corn 0% very poor, 6% poor, 32% fair, 47% good, 15% excellent. Dry beans 0% very poor, 6% poor, 45% fair, 38% good, 11% excellent. Potatoes 91% emerged, 74% 1999, 79% avg. Potatoes 0% very poor, 1% poor, 11% fair, 51% good, 37% excellent. Sugar beets 0% very poor, 12% poor, 28% fair, 41% good, 19% excellent. Barley in boot 59%, 39% 1999, 43% avg. Spring wheat in boot 59%, 36% 1999, 47% avg. Winter wheat 94% headed, 67% 1999, 67% avg.; 17% turning, 0% 1999, 0% avg. Alfalfa hay 1st cutting 32%, 19% 1999, 16% avg. Other hay 1st cutting 13%, 12% 1999, 11% avg. Rain showers during the week slowed work as alfalfa cutting got underway. Yields for the 1st cutting are reported to be below normal due to drought in many areas of the state. Producers report that if rains continue spring-sown grains will yield at normal levels, but the moisture is too late for winter wheat. Pulse growers are experiencing outbreaks of ascochyta blight because mild weather has caused ideal growing conditions for the fungus. Central State ranchers report that livestock water is short and many reservoirs are empty. Pasture feed, range indicate that 38% of the state's grazing lands are in poor or very poor shape. Recent rains are helping pastures to green, but may not cause much additional growth since many of the grasses are already headed.

NEBRASKA: Days suitable for fieldwork 5.7. Topsoil 32% very short, 36% short, 30% adequate, 2% surplus. Subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 1 to 2° below normals. Precipitation occurred across area, ranging from traces to over 8.0 inches. Corn 5% very poor, 12% poor, 32% fair, 41% good, 10% excellent. Soybeans 4% very poor, 14% poor, 36% fair, 37% good, 9% excellent; 9% bloomed. Sorghum 6% very poor, 17% poor, 42% fair, 34% good, 1% excellent. Winter Wheat 19% very poor, 37% poor, 30% fair, 14% good; 56% ripe, 13% 1999, 5% avg.; 21% harvested, 0% 1999, 1% avg. Oats 12% very poor, 16% poor, 24% fair, 35% good, 13% excellent; headed 88%, 81% 1999, 68% avg.; 3% harvested for grain. Dry beans 5% very poor, 12% poor, 42% fair, 35% good, 6% excellent. Alfalfa 1st cutting 97% harvested, 95% 1999, 89% avg.; 2nd cutting 19% harvested, 6% 1999, 1% avg.; 19% very poor, 25% poor, 28% fair, 27% good, 1% excellent. Wild hay 15% very poor, 34% poor, 33% fair, 17% good, 1% excellent. Pasture, range 27% very poor, 31% poor, 33% fair, 9% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Irrigating, harvesting hay, wheat, livestock care.

NEVADA: Predominately warm weather was moderated by passing thunderstorms toward the end of the week. Lightning sparked several range fires in northern State, but accompanying rains helped to extinguish some. Irrigation water supplies short to adequate with irrigation needs remaining high. Stream, creek levels remain low. Crop condition ratings fair to excellent. Alfalfa growers in northern State were finishing up first cutting, beginning the second. Second, third cutting underway south. Timothy, grass hay harvests continued. Warm weather advanced heading of small grains. Onions, garlic growing well. Potatoes developing. Weed, insect control very active. Grasshopper, cricket control undertaken in some areas. Pasture, range conditions rated mostly fair to good although drying. Livestock movement to most summer pastures complete. Main farm, ranch activities: Alfalfa, other hay harvest, irrigation, weed, insect control, putting bees out, working livestock, gopher control.

NEW ENGLAND: Days suitable for fieldwork: 6.0. Topsoil 6% short, 70% adequate, 24% surplus. Subsoil moisture 4% short, 75% adequate, 21% surplus. Pasture feed 4% fair, 48% good, 48% excellent. Maine potatoes 95% emerged, 100% 1999, 85% avg. Rhode Island potatoes 100% emerged, 100% 1999, 100% avg. Massachusetts potatoes 100% emerged, 100% 1999, 100% avg. Oats in Maine 100% emerged, 100% 1999, 100% avg. Barley in Maine 100% emerged, 100% 1999, 100% avg. Silage corn: 90% planted, 100% 1999, 100% avg.; 70% emerged, 100% 1999, 95% avg. Sweet corn 85% planted, 100% 1999, 95% avg.; 75% emerged, 95% 1999, 90% avg. Shade tobacco condition good. Broadleaf tobacco condition good to fair. First crop hay 50% harvested, 85% 1999, 65% avg. Apples: fruit set below avg to avg, fruit size avg, condition good to fair. Peaches fruit set avg to above avg, fruit size above avg to avg, condition fair to good. Pears fruit set avg to below avg, fruit size avg to below avg, condition fair to good. Strawberries: fruit set avg, fruit size avg, condition good to fair; 35% harvested, 70% 1999, 40% avg. Cranberries condition good to fair. Highbush blueberries fruit set avg, fruit size avg, condition good to excellent. Wild Blueberries in Maine fruit set avg, fruit size avg, condition good. Summer, warmer weather finally arrived. Major farm activities: Nitrate testing, making hay, hilling, cultivating potatoes, spraying herbicides, removing bees from all crop fields, planting peppers, eggplant, replanting tomatoes, harvesting strawberries, peas, greenhouse tomatoes, cucumbers.

NEW JERSEY: Days suitable for field work 6.1. Topsoil 11% short, 78% adequate, 11% surplus. Corn 97% planted, 61% good, 39% excellent. Pest pressure increased in some fields. Soybeans 80% planted. Late soybean planting will begin after barley, wheat fields are harvested. A few barley, wheat fields were harvested while combining will begin in other areas this week. First hay cutting was complete in most localities. Sweet corn crop 22% fair, 78% good. Insect pressure rose in some sweet corn fields, especially fields planted under plastic. Strawberry harvest was complete in most localities. Blueberry harvest pace quickened as early varieties were maturing. Peach fruit began growing to favorable market size in some areas. A few early variety peaches were harvested with excellent quality. Vegetables, including fall leeks, were transplanted where conditions allowed. A few late spring spinach fields were harvested for processing.

NEW MEXICO: Days suitable for field work 6.5. Topsoil 46% very short, 34% short, 20% adequate. Temperatures for the week were within a few degrees of normal at most locations, the statewide average was within a degree of normal. Some locations over the south, east hit the 100° mark over the weekend. Hit, miss showers, thunderstorms produced some measurable rainfall at about three quarters of the reporting stations. Although additional rainfall was received, some areas were still suffering from extreme drought conditions. Harvesting, irrigating, cultivating, weed control were the main farm activities during the week. Onions were in slightly better condition than last week with 40% of the crop harvested. The chile condition remained unchanged from last week at 2% poor, 20% fair, 75% good, 3% excellent. The irrigated wheat crop was in mostly fair to good condition with total wheat harvested 91% complete. The alfalfa condition slightly declined from last week and there was still about 20% of the 2nd cutting incomplete. Corn 35% fair, 50% good, 15% excellent. Cotton was in mostly fair to excellent condition with 70% squaring. Some ranchers were still hauling water, secondary feeds, but the range conditions had improved for some areas of the state. Cattle conditions varied from very poor to good across the state. Sheep 14% very poor,

33% poor, 37% fair, 16% good. Pasture, range feed 24% very poor, 40% poor, 30% fair, 6% good.

NEW YORK: Days suitable 3.5. Soil moisture 10% adequate, 90% surplus. Pasture feed 19% fair, 58% good, 23% excellent. Hay 9% poor, 43% fair, 39% good, 9% excellent. Oat 33% fair, 67% good. Wheat 50% fair, 50% good. Corn 84% planted, 100% 1999, 98% avg. First cutting alfalfa 49% complete, 86% 1999, 77% avg. Clover-timothy hay 38% harvested, 78% 1999, 68% avg. Grass silage 70% harvested, 91% 1999, 83% avg. Many farmers returning unused seed, chemicals, fertilizers to point of purchase. Apples in fair to good condition. Lake Ontario region growers concerned about apple size. Trees are stressed from fireblight, scab, powdery mildew. Strawberry harvest in full swing. Quality, yields good. Late cabbage being set where possible.

NORTH CAROLINA: Days suitable for field work to 5.2 The rainfall limited compared to 6.0 the previous week. The Hot weather combined with widespread, afternoon thundershowers continued this week in the state. Parts of the Coastal Plains region, the major crop growing area, received rainfall amounts from 1 to 4 inches. combination of hot weather, rainfall puts soil moisture at it's current rating of 7% very short, 30% short, 55% adequate, 8% surplus, which is about the same as last week. Major gains were made in small grain harvesting, soybean planting, which are well ahead of their respective five-year averages. Significant progress was made in Irish potato harvesting, while sweetpotato transplanting saw only modest increases. Other activities included: Sorghum planting, burley tobacco setting, continued hay cutting, pest management for all crops.

NORTH DAKOTA: Days suitable for field work 4. Topsoil 0% very short, 5% short, 78% adequate, 17% surplus. Subsoil moisture 2% very short, 9% short, 79% adequate, 10% surplus. Cool, wet weather was reported across most of state, except for the southwest, with the east receiving heavy rainfall, causing flooding. Durum wheat 56% jointing, beyond, 27% 1999, 34% avg.; 30% boot, beyond, 8% 1999, 12% avg.; 8% heading, beyond, 2% 1999, 3% avg. Canola 92% rosette, 65% 1999. Potatoes 99% emerged, 91% 1999, 95% avg. Sunflowers 97% emerged, 89% 1999, 95% avg. Emerged crop Durum wheat 1% very poor, 5% poor, 19% fair, 61% good, and 14% excellent. Canola 2% very poor, 5% poor, 16% fair, 55% good, 22% excellent. Dry edible beans 13% very poor, 13% poor, 22% fair, 45% good, 7% excellent. Flaxseed 2% very poor, 4% poor, 16% fair, 59% good, 19% excellent. Potatoes 14% very poor, 17% poor, 24% fair, 39% good, 6% excellent. Soybeans 9% very poor, 9% poor, 18% fair, 55% good, 9% excellent. Sugarbeets 7% very poor, 12% poor, 28% fair, 42% good, 11% excellent. Sunflower 2% very poor, 4% poor, 18% fair, 62% good, 14% excellent. Broad leaf, wild oat spraying 84%, 94% complete respectively. Pasture, range 1% very poor, 6% poor, 24% fair, 56% good and 13% excellent. Stockwater supplies were 1% very short, 4% short, 89% adequate, 6% surplus. Hay 90% of normal. Alfalfa 1st cutting was 35% complete while other hay was 11% complete.

OHIO: Days suitable for fieldwork 2.6. Topsoil 0% very short, 2% short, 59% adequate, 39% surplus. Alfalfa hay 1st 89% cutting; 99% 1999, 83% avg. Alfalfa hay 2nd 9% cutting, 31% 1999, 11% avg. Cucumbers 85% planted, 88% 1999. Oats 85% headed, 91% 1999, 66% avg.; 3% ripe, 8% 1999. Other hay 1st 79% cutting; 97% 1999, 73% avg. Other hay 2nd 4% cutting, 9% 1999, 4% avg. Processing tomatoes 95% planted, 100% 1999, 100% avg. Soybeans 95% planted, 100% 1999, 96% avg. Soybeans 92% emerged, 100% 1999, 85% avg. Soybeans 2% blooming, 8% 1999, 1% avg. Strawberries 90% harvested, 94% 1999, 67% avg. Winter wheat 16% ripe, 42% 1999, 2% harvested, 5% 1999, 1% avg. Corn 2% very poor, 5% poor, 20% fair, 50% good, 23% excellent. Hay 2% very poor, 12% poor, 26% fair, 47% good, 13% excellent. Oats 0% very poor; 6% poor; 27% fair; 58% good; 9% excellent. Pasture 1% very poor, 5% poor, 25% fair, 54% good, 15% excellent. Soybeans 5% very poor, 13% poor, 27% fair, 45% good, 10% excellent. Winter wheat 1% very poor, 3% poor, 17% fair, 52% good, 27% excellent. Activities for the week included: Replanting soybeans; harvesting wheat, barley; trenching water off fields; side dressing crops; 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; clearing log jams from creeks; burley tobacco leasing activity; shearing Christmas trees. Reported weed pressures included Canadian thistle, ragweed, foxtail,

lambsquarter, hemp dogbane, velvet leaf, nut grass, johnsongrass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, slugs, spittle bugs, wireworms, seed corn maggots, spider mites, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, potato leaf hoppers. Reported diseases were root diseases in soybeans; rust, powdery mildew, head scab, glume blotch in wheat; Stewart's wilt in sweet corn, early blight on tomatoes; spring black stem in alfalfa. Fruit, vegetable crops were reported in good condition throughout the state. In the Southwest district, producers are busy picking black raspberries, cucumbers, squash, beans, peas. In the Central district, the strawberry harvest has ended, sweet corn is just beginning to tassel. Reporters throughout the state continue to comment on the poor growing conditions caused by excessive moisture. Many activities have been delayed, including replanting soybeans, making hay, spraying, side dressing fields, harvesting crops.

OKLAHOMA: Days suitable for fieldwork 2.3. Topsoil 4% short, 68% adequate, 28% surplus. Subsoil moisture 2% very short, 15% short, 70% adequate, 13% surplus. Wheat 46% plowed, 39% last week, n/a 1999, n/a avg. Oats 1% very poor, 6% poor, 45% fair, 44% good, 4% excellent, 70% harvested, 63% last week, 60% 1999, 60% avg.; 28% plowed, 19% last week, n/a 1999, n/a avg. Corn 7% fair, 88% good, 5% excellent, 12% silking, 12% last week, 12% 1999, 19% avg. Sorghum 57% emerged, 53% last week, 59% 1999, 60% avg. Soybeans 3% poor, 21% fair, 63% good, 13% excellent, 85% planted, 84% last week, 64% 1999, 76% avg.; 75% emerged, 74% last week, 47% 1999, 59% avg. Peanuts 99% emerged, 94% last week, 97% 1999, 88% avg. Cotton 100% planted, 93% last week, 100% 1999, 99% avg.; 96% emerged, 85% last week, 94% 1999, 88% avg. Alfalfa Hay 5% poor, 20% fair, 65% good, 10% excellent, 63% 2nd cutting, 62% last week, 56% 1999, 62% avg. Other Hay 3% poor, 26% fair, 58% good, 13% excellent; 75% 1st cutting, 72% last week, 69% 1999, 65% avg.; 4% 2nd cutting, 4% last week, 5% 1999, 4% avg. Watermelons 94% running, 90% last week, 72% 1999, 74% avg.; 40% setting fruit, 23% last week, 49% 1999, 40% avg. Livestock 1% poor, 11% fair, 73% good, 15% excellent; Cattle marketings slightly below avg. Feeder cattle prices are steady.

OREGON: Days suitable for fieldwork 7. Topsoil 7% very short, 42% short, 50% adequate, 1% surplus. Subsoil 7% very short, 32% short, 57% adequate, 4% surplus. Barley 63% headed, 1% very poor, 5% poor, 34% fair, 36% good, 24% excellent. Winter wheat 99% headed, 96% 1999, 98% 5 year avg.; 1% poor, 36% fair, 53% good, 10% excellent. Range, pasture 3% poor, 22% fair, 63% good, 12% excellent. Activities: In Willamette Valley, grass seed ripening, looked good so far. Warm weather encouraged development of more rust in some fields. Fungicide applications being made as needed. Some of early varieties of grass, meadow foam are ready to swath. Wheat looked very good, field corn doing well in warm weather. In Klamath Basin region, winter wheat near maturity. Haying main activity with some hay cut, put up. Irrigation needed as weather quite warm with afternoon winds to dry soil. In eastern State first cutting of alfalfa had begun in many areas; leaf-cutting bees emerging to pollinate alfalfa seed. Soil moisture continued to be limiting factor in grass growth so irrigation continued. Sherman/Wasco area reported first field of barley harvest would likely begin last week as field test of 14.4% moisture taken on Monday. Greenhouses are still busy with summer clean up, maintenance. Nurseries are busy with field watering, tree, shrub planting. Sales from greenhouses continue active, some output going to Saturday markets. Still a good supply of plants at stands, some advertising for greenhouse clearance sales. Easter lily growers irrigating again. In western State processing vegetables reported on schedule, fresh market vegetables in all stages from planting through some early varieties harvested, for sale. Onions at irrigation stage, potatoes blooming, peas harvested, tomatoes forming in Washington County. There lots of cultivation of row vegetables being done as well as lots of watering. Jackson County reported some sweet corn knee high. Baker County reported potatoes growing well. Cherry harvest continued west of Cascades, in Jackson, Umatilla counties. Strawberry harvest passed its peak in Willamette Valley. Other berry crops, hazelnuts continued to develop nicely with earliest raspberry picking getting underway. In Jackson county, pears started to size, orchards being irrigated. Cranberry bloom, fruit set continued in Coos, Curry counties. Adult black vine weevils active in some beds. Livestock condition continued mostly good to excellent, generally improved with lots of sunshine. Cattle movement to higher ranges or irrigated pastures continued in Jackson county. Cattle, sheep have been put out on pastureland that earlier cut for hay in Douglas county. Range, pasture

feeds starting to dry out across most of state under much warmer, drier weather.

PENNSYLVANIA: Days suitable for field work 3.4. Soil moisture 2% short, 66% adequate, 32% surplus. Corn emerged 98% complete, 98% 1999, average not available. Corn height 20 in., 19 in. 1999, 15 in. average. Soybeans planted 98% complete, 95% 1999, 90% avg. Soybeans emerged 96% complete, 88% 1999, average not available. Oats heading or headed 90% complete, 80% 1999, 66% avg. Oats turning yellow 10% complete, 14% 1999, 7% avg. Tobacco transplanted 99% complete, 100% 1999, 91% avg. Barley turning yellow 93% complete, 96% 1999, 90% avg. Barley turning ripe 83% complete, 76% 1999, 63% avg. Barley harvested 57% complete, 48% 1999, 34% avg. Wheat turning yellow 86% complete, 80% 1999, 65% avg. Wheat crop condition 1% very poor, 2% poor, 28% fair, 66% good, 3% excellent. Oat crop condition 4% poor, 23% fair, 63% good, 10% excellent. Alfalfa first cutting 79% complete, 95% 1999, 81% avg. Alfalfa second cutting 16% complete, 28% 1999, 17% avg. Timothy clover first cutting 51% complete, 81% 1999, 58% avg. Quality of hay made 17% very poor, 22% poor, 28% fair, 26% good, 7% excellent. Activities include planting corn, soybeans and vegetables; barley harvesting; fixing fences; machinery maintenance; spreading lime and fertilizers; hauling manure; caring for livestock; cutting hay; transplanting tobacco; making hay and haylage; and applying pesticides

SOUTH CAROLINA: Days suitable for field work 6.0. Soil moisture 25% very short, 33% short, 42% adequate. Apples 24% poor, 59% fair, 17% good. Barley 100% harvested, 95% 1999; 89% avg. Cantaloups 40% harvested, 26% 1999, 38% avg.; 10% poor, 55% fair, 35% good. Corn 86% tasseled, 72% 1999, 76% avg.; 36% doughed, 18% 1999, 28% avg.; 18% very poor, 27% poor, 25% fair, 28% good, 2% excellent. Cotton 100% planted, 100% 1999, 100% avg.; 45% squared, 41% 1999, 41% avg.; 10% bolls set, 4% 1999, 6% avg.; 5% very poor, 13% poor, 28% fair, 45% good, 9% excellent. Cucumbers 85% harvested, 79% 1999, 62% avg. Oats 99% harvested, 94% 1999, 93% avg. Peaches 39% harvested, 25% 1999, 26% avg.; 6% very poor, 12% poor, 20% fair, 47% good, 15% excellent. Peanuts 100% planted, 100% 1999, 99% avg.; 18% pegged, 15% 1999, 14% avg.; 3% very poor, 18% poor, 58% fair, 21% good. Rye 93% harvested, 95% 1999, 91% avg. Rain, Flood, Hail Damage 85% very poor, 4% poor, 10% fair, 1% good. Snap beans 72% harvested, 59% 1999, 44% avg.; 10% poor, 20% fair, 70% good. Sorghum 95% planted, 93% 1999, 81% avg.; 40% headed, 44% 1999, 10% very poor, 25% poor, 56% fair, 9% good. Soybeans 89% planted, 81% 1999, 83% avg.; 75% emerged, 64% 1999, 4% bloomed, 4% 1999, 7% very poor, 17% poor, 25% fair, 44% good, 7% excellent. Sweetpotatoes 93% planted, 93% 1999, 91% avg.; 5% poor, 34% fair, 61% good. Tobacco 40% topped, 35% 1999, 34% avg.; 5% poor, 21% fair, 70% good, 4% excellent. Tomatoes 60% harvested, 50% 1999, 46% avg.; 6% very poor, 6% poor, 5% fair, 83% good. Watermelons 35% harvested, 22% 1999, 29% avg.; 6% very poor, 17% poor, 38% fair, 39% good. Winter wheat 99% harvested; 96% 1999, 84% avg.

SOUTH DAKOTA: Days suitable for field work 5.2. Topsoil 3% very short, 18% short, 73% adequate, 6% surplus. Subsoil moisture 7% very short, 19% short, 69% adequate, 5% surplus. Feed supplies 5% short, 82% adequate, 13% surplus. Stock water supplies 5% very short, 11% short, 77% adequate, 7% surplus. Winter Rye 5% poor, 9% fair, 61% good, 25% excellent. Winter Rye headed 99%, 93% 1999, 90% avg. Winter Rye turning color 33%, 12% 1999, 15% avg. Winter Rye ripe 0%, 0% 1999, 1% avg. Winter Rye harvested 0%, 0% 1999, 0% avg. Winter Wheat turning color 49%, 34% 1999, 17% avg. Winter Wheat ripe 1%, 0% 1999, 1% avg. Spring Wheat boot 91%, 83% 1999, 68% avg. Spring Wheat turning color 3%, 4% 1999, 5% avg. Spring Wheat ripe 0%, 0% 1999, 0% avg. Barley boot 94%, 76% 1999, 62% avg. Barley turning color 2%, 6% 1999, 6% avg. Barley ripe 0%, 0% 1999, 0% avg. Oats boot 90%, 76% 1999, 63% avg. Oats turning color 8%, 6% 1999, 2% avg. Oats ripe 0%, 0% 1999, 0% avg. Corn tassled 0%, 0% 1999, 0% avg. Corn height corn height 20%, 14% 1999, 13% avg. Corn cultivated once cultivated once 75%, 47% 1999, 45% avg. Corn cultivated twice cultivated twice 17%, 12% 1999, 8% avg. Sunflowers 16% fair, 71% good, 13% excellent. Sunflowers blooming 0%, 0% 1999, 0% avg. Alfalfa hay 3% very poor, 13% poor, 30% fair, 46% good, 8% excellent. Alfalfa hay 1st cutting harvested 85%, 67% 1999, 60% avg. Alfalfa hay 2nd cutting harvested 3%, 0% 1999, 1% avg. Other hay harvested harvested 35%, 25% 1999, 17% avg. Range and Pasture 1% very poor, 6% poor, 17%

fair, 60% good, 16% excellent. Cattle condition 4% fair, 69% good, 27% excellent. Sheep condition 3% fair, 60% good, 37% excellent.

TENNESSEE: Days suitable for fieldwork 5. Topsoil 17% short, 75% adequate, 8% surplus. Subsoil moisture 4% very short, 22% short, 69% adequate, 5% surplus. Tobacco 6% poor, 29% fair, 58% good, 7% excellent. Wheat 85% harvested, 91% 1999, 70% avg. Pastures 2% very poor, 7% poor, 30% fair, 53% good, 8% excellent. Wheat growers continued making good progress with harvest despite last week's rain delays. As of Sunday, only 15% of the crop remained to be harvested, nearly four days ahead of the five-year average. Producers continue to report better than average yields. With harvest winding down, double crop soybean planting is progressing at a rapid pace. The State's other major row crops have benefitted from the recent moisture. Tobacco growers were busy last week cultivating their fields, scouting for diseases.

TEXAS: Recent rains continued to improve crop, pasture feeds across most areas of the state, for some locations, last weeks rain was the 1st this year. In some areas, crops were drowning in the fields, in other areas planting continued in totally dry conditions as planting deadlines approached. In the wetter areas plant disease, rotting of some vegetable crops has become a major problem. Haying continued where possible, removal of wet hay from fields was necessary in some locations. High winds caused some sand burn to young plants in areas of the Plains, replanting for the second and third time was necessary for some cotton producers. Grasshoppers, army worms populations continued to increase, economic damage began in some locations. Generally, vegetables continued to make good progress across the State. Field Crops: Small Grains: Recent rains continued to delay harvest of remaining small grains in some locations, sprouting in the head became a problem for some producers in portions of these same areas. Yields have been variable across the State. Wheat 46% of normal compared with 73% 1999. Corn continued to progress well in most areas. Recent rains continued to improve the condition of dryland corn and allowed some irrigation to be postponed for a time. High winds, isolated hail continued to damage fields in some areas. Statewide Corn 87% of normal compared with 86% 1999. Dough, Published 55%, 1999 47%, Average 38%. Dented 29%, 1999 25%, Average 16%. Mature Published 2%, 1999 1%, Average 0%. Cotton: Cotton planting neared completion across the plains. Rain, wind, hail caused damage in some areas, some cotton was suffering from standing water. Thrips, grasshoppers continued to cause damage to young plants, and boll weevil pressure increased in some locations. Cotton 74% of normal compared with 81% 1999. Planted, Published 99%, 1999- 99%, Average 97%. Bolls opening Published 2%, 1999, 2%, Average 1%. Rice: Flooding of fields continued. Application of nitrogen continued for some producers. Army worms continue to be an increasing problem in some fields. Rice 96% of normal compared with 89% 1999. Sorghum: Producers continued to plant across the Plains. In southern areas of the state harvesting continued to expand. Midge problems were reported in some areas. Irrigated acres continued to make good progress in all areas, while rains continue to improve dryland sorghum. Sorghum 79% of normal compared with 79% 1999. Turning Color, Published 36%, 1999, 30%, Average 28%. Mature, Published 21%, 1999 17%, Average 12%. Harvested, Published 15%, 1999, 8%, Average 3%. Peanuts continued to progress well across the Plains, while land preparation, planting continued in southern and central areas. Grasshoppers remained an increasing problem in some areas. Statewide Peanut 84% of normal compared with 81% 1999. Planted, Published 98%, 1999, 94%, Average, 89%. Soybeans Planting of remaining soybeans continued where possible. Plants continued to progress well in eastern, central areas as warm temperatures, soil moisture levels remained favorable. Army worm problems remained steady in some locations. Crop progression was generally good across the State. Commercial Vegetables, Fruit, Pecans: Rio Grande Valley, watermelon, cantaloup harvest continued. Harvest remained active for greens, carrots, beans, peas, potatoes, tomatoes. Soil moisture levels remained favorable in most areas. San Antonio-Winter Garden, harvest of summer vegetables and melons continued, while green beans, peas continued to progress. Insect pressure on peas continued to be of concern in some locations, chili peppers continued to make good progress. East State, planting ended for most peas, cucumbers, peppers, sweet potatoes, egg plants. Harvest neared completion for onions and cauliflower, but was somewhat slowed from wet conditions. Disease, insect problems continued. High Plains, pumpkins, melons, cucumbers, carrots, onions continued to make good progress, but high winds caused some damage to young plants in a few locations. Peaches Producers continued some

spraying to control insect pests. Harvest of early varieties neared completion in southern areas but continued in eastern areas. Some leaf diseases were active as a result of the wet conditions. Pecans: A light crop was being reported in some areas, however nutlet development continued and should be helped by the recent rainfall. Spraying for second generation case bearers continued. Range, Livestock Moisture, cooler temperatures continued to aid pasture recovery across the state. Some areas received rain for the first time this year, but recovery has been slow. Some locations remained extremely dry, cattle movement and supplemental feeding continued in these areas. Grasshopper, army worm populations continued to increase, damage to range, pasture was becoming extensive in some locations.

UTAH: Days suitable for field work 7. Topsoil 25% very short, 35% short, 40% adequate. Subsoil moisture 22% very short, 34% short, 44% adequate. Pasture, range feed 6% very poor, 25% poor, 35% fair, 34% good. Alfalfa hay first cutting 90%, 83% 1999, 79% avg; second cutting 7%. Other hay cut 34%, 32% 1999, 23% avg. Corn height 19 inches, 11 inches 1999, 13 inches avg. Winter wheat headed 86%, 89% 1999, 86% avg. Oats headed 49%, 40% 1999, 30% avg. Barley headed 74%, 73% 1999, 65% avg. Spring wheat headed 72%, 70% 1999, 67% avg. Drybeans planted 99%, 100% 1999, 100% avg. Sweet cherry harvest is 26% complete. Irrigation water supplies 11% very short, 33% short, 56% adequate. Stock water supplies 5% very short, 21% short, 74% adequate. Major farm and ranch activities included irrigating crops and harvesting sweet cherries. The first cutting of alfalfa hay is ending. Crops are consistently ahead of past years throughout the state. Moisture is needed on rangeland to keep grass growing. Land on the range and on the farm is very dry; some localities are running out of irrigation water. Livestock looks good.

VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 18% short, 70% adequate, 12% surplus. Subsoil moisture 6% very short, 18% short, 69% adequate, 7% surplus. Pastures 1% very poor, 5% poor, 26% fair, 55% good, 13% excellent. Livestock 1% poor, 11% fair, 74% good, 14% excellent. Other Hay 6% poor, 27% fair, 54% good, 13% excellent. Alfalfa Hay 1% very poor, 1% poor, 12% fair, 57% good, 29% excellent. Corn for Grain 1% poor, 11% fair, 59% good, 29% excellent, 99% planted, 100% 1999, 100% 5-yr avg.; 88% emerged, 68% 1999, 32% 5-yr avg. Soybeans 2% poor, 12% fair, 68% good, 18% excellent, 71% planted, 59% 1999, 61% 5-yr avg.; 59% emerged, 35% 1999, 19% 5-yr avg. Winter Wheat 38% harvested, 31% 1999, 27% 5-yr avg. Barley 84% harvested, 82% 1999, 71% 5-yr avg. Flue-cured tobacco 18% fair, 54% good, 28% excellent. Burley tobacco 3% poor, 25% fair, 47% good, 25% excellent, 99% transplanted, 99% 1999, 96% 5-yr avg. Dark Fire-cured tobacco 12% fair, 70% good, 18% excellent, 98% transplanted, 100% 1999, 100% 5-yr avg. Sun tobacco 100% good. Peanuts 12% fair, 72% good, 16% excellent, 100% planted, 100% 1999, 100% 5-yr avg. Cotton 1% poor, 15% fair, 70% good, 14% excellent. Cotton 15% squaring, 23% 1999, 27% 5-yr avg. Summer Potatoes 1% very poor, 13% poor, 14% fair, 68% good, 4% excellent. Summer Potatoes 3% harvested, 1% 1999, 1% 5-yr avg. Apples 18% fair, 62% good, 20% excellent. Peaches 9% very poor, 2% poor, 25% fair, 59% good, 5% excellent. Some localities in the state continued to receive more rain for the second straight week, slightly delaying harvest of winter crops, cutting hay. Farmers were hoping to finish wheat harvest so they could proceed with planting double-cropped soybeans. Other activities for the week include: Wheat, potato harvest, soybean planting, thinning of apples, irrigation of vegetables, nitrogen applications to cotton, herbicide applications on cotton, peanuts, soybeans.

WASHINGTON: Days suitable for fieldwork 6.89. Topsoil 5% very short, 20% short, 70% adequate, 5% surplus. Subsoil moisture 41% short, 57% adequate, 2% surplus. Winter wheat dryland 4% poor, 16% fair, 60% good, 20% excellent; irrigated 88% good, 12% excellent. Headed 98%, 99% 1999, 99% avg. Winter wheat was progressing well with turning color reported. The warm weather contributed to good growing conditions, but it was stated that precipitation would be needed in the future. Spring wheat dryland 1% very poor, 4% poor, 38% fair, 50% good, 7% excellent; irrigated 1% fair, 98% good, 1% excellent. Headed 72%, 69% 1999, 69% avg. Barley dryland 1% poor, 36% fair, 53% good, 10% excellent; irrigated 100% good. Headed 79%, 56% 1999, 73% avg. Cereal crops progressed well with the warm weather. Potatoes 100% good. Alfalfa hay, 1st 91% cutting, 99% 1999, 85% avg.; 2nd 20% cutting, 20% 1999, 20% avg. Hay, roughage 4% short, 86% adequate, 10%

surplus. Range, Pasture 17% poor, 50% fair, 33% good. The cherry harvest was underway throughout the state. Other fruits were developing normally as well. Sweet corn, cannery peas grew rapidly due to the warm weather. Vegetable seed crops were flowering. Lentils, spring peas looked good with strong pressure due to aphids. Aerial spraying was applied to combat these aphids. Christmas trees were doing well. Chemical applications for various crops were interrupted due to windy conditions. Hay and roughage crops progressed well. The grass hay, 2nd cutting of alfalfa, timothy harvest was reported as doing well. Bluegrass was being swathed for seed.

WEST VIRGINIA: Days suitable for fieldwork 4.1. Topsoil 5% short, 86% adequate, 9% surplus. Scattered showers in some regions delayed hay cutting, but was beneficial for corn, soybean conditions, other crops. Wheat 44% fair, 53% good, 3% excellent; 97% headed, 99% 1999, 94% 5-yr-avg.; 1% harvested, 21% 1999, 7% 5-yr avg. Hay 2% poor, 25% fair, 58% good, 15% excellent; Hay 1st cut 74%, 88% 1999, 71% 5-yr avg. Corn 13% fair, 52% good, 35% excellent. Soybean 10% fair, 66% good, 24% excellent. Oats 13% fair, 70% good, 17% excellent; 95% emerged, 100% 1999, 47% headed, 67% 1999. Tobacco 2% very poor, 8% poor, 33% fair, 57% good. Apple 7% poor, 63% fair, 26% good, 4% excellent. Peach 8% poor, 67% fair, 25% good. Cattle 7% fair, 83% good, 10% excellent. Sheep 3% fair, 85% good, 12% excellent.

WISCONSIN: Days suitable for fieldwork 4.1. Soil moisture 0% very short, 1% short, 66% adequate, 33% surplus. Most of the southern half of the state had improved soil conditions from the previous week. The State weather last week was warmer but was still wet. Temperatures were slightly above normal in many areas, but frequent rains continued to slow the hay harvest, delay herbicide applications. Small grains have been doing well in the cool, wet weather. The Northwest, the North Central districts were the only areas where soil moisture was mostly surplus. There were less than 2 working days in the Northwest, North Central districts. First cutting of hay: 79% 2000, 89% 1999, 76% 5-year avg. Soggy fields caused difficulty in the first crop hay dry baling. Some fields of alfalfa showed threshold levels of leafhoppers. Winter wheat 0% very poor, 1% poor, 21% fair, 56% good, 22% excellent. Winter wheat as well as barley are mostly headed, standing well. Soybeans 100% emerged reached, compared to 99% 1999. Weeds were a problem in some soybeans. Strawberry picking is continuing. Cranberry crop was coming into a good bloom in Wood County, is expected to peak by the Fourth of July. Pasture feed 1% very poor, 4% poor, 10% fair, 55% good, 30% excellent.

WYOMING: Days suitable for fieldwork 6.2. Topsoil 11% very short, 66% short, 23% adequate. Barley 75% boot, 70% 1999, 75% avg.; 52% headed, 50% 1999, 48% avg.; 5% turning color, 4% 1999, 2% avg. Barley 2% poor, 30% fair, 52% good, 16% excellent. Oats 78% jointed, 78% 1999, 83% avg.; 50% boot, 42% 1999, 53% avg.; 22% headed, 12% 1999, 21% avg.; 8% poor, 31% fair, 57% good, 4% excellent. Spring wheat 94% jointed, 80% 1999, 81% avg.; 71% boot, 56% 1999, 58% avg.; 11% headed, 29% 1999, 30% avg.; 30% poor, 23% fair, 42% good, 5% excellent. Winter wheat 77% turning color, 28% 1999, 23% avg.; 10% mature, 0% 1999, 0% avg.; 33% very poor, 36% poor, 17% fair, 14% good. Corn average height 14 inches, 13 inches 1999, 13 inches avg. Corn 2% poor, 6% fair, 87% good, 5% excellent. Dry beans 98% emerged, 97% 1999, 88% avg.; 15% fair, 72% good, 13% excellent. Sugarbeets 2% poor, 14% fair, 61% good, 23% excellent. Alfalfa 44% 1st cutting, 31% 1999, 26% avg. Other hay 13% harvested, 8% 1999, 9% avg. Range, pasture feed 3% very poor, 13% poor, 54% fair, 30% good. Irrigation water supplies 1% very short, 30% short, 68% adequate, 1% surplus.