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Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 6.4. Topsoil 49% very short, 33% short, 18% adequate. Soil moisture supplies increased slightly from previous weeks precipitation. Corn 98% dough; 95% dented, 100% 1998, 100% avg.; 88% mature, 99% 1998, 96% avg.; 62% harvested, 68% 1998, 56% avg. Soybeans 87% blooming, 99% 1998, 97% avg.; 84% setting pods, 96% 1998, 91% avg.; 28% dropping leaves, 21% 1998, 15% avg.; 2% very poor, 3% poor, 23% fair, 48% good, 24% excellent. Soybean 52% very poor, 16% poor, 16% fair, 15% good, 1% excellent. Pasture feed 27% very poor, 31% poor, 25% fair, 16% good, 1% excellent. Livestock 4% very poor, 11% poor, 46% fair, 31% good, 8% excellent. Despite recent rainfall, cotton, soybeans, pastures are still in poor condition. Some soybeans are being cut for hay.

ALASKA: Days suitable for fieldwork 5.0. Topsoil 100% adequate. Subsoil 5% short, 95% adequate. Weather conditions for the week were mostly dry with daytime high temperatures mostly in the sixties. Nighttime lows were mostly in the thirties, dropped into the twenties in the Kenny Lake, Sawmill Creek areas. Oats 85% ripe or earlier, 5% swathed, 10% harvested. Barley 35% ripe or earlier, 30% swathed, 35% harvested. Hay 45% 2nd cutting harvest. Winter hay 15% short, 75% adequate, 10% surplus. Commercial storage potato 35% harvest. Wind damage to grains 100% none. Major activities included: Cutting hay, harvesting vegetables, grains, hay, killing vines, digging potato fields.

ARIZONA: Cotton harvest has begun in southern areas. Alfalfa harvest activity was reported as 15% not being harvested, 4% light, 38% moderate, 43% active. Alfalfa 2% poor, 9% fair, 81% good, 8% excellent. Last week central area producers shipped a light volume of watermelons, mangoes. Eastern producers harvested apples, chili.

ARKANSAS: Days suitable for fieldwork 6. Topsoil 31% very short, 49% short, 20% adequate. Rainfall late in the week brought some relief to the western half of the State while the eastern and south central portions of the state continue to be below normal. Daytime highs in the first part of the week were higher than normal. A lack of moisture in the atmosphere allowed for a great fluctuation between the daily highs and lows. Overall, average daytime temperatures were near to slightly above normal. Livestock were reported in fair condition, hot, humid weather and lack of grazing was causing deaths in poultry and livestock. Many farmers were feeding supplemental hay early this year because of the drought. Main farm activities: Harvesting rice, irrigating soybeans, defoliating cotton. Other activities included planting winter wheat, preparing land for planting of annual forages such as rye, ryegrass, liming pastures, finishing harvesting hay, planning for fall pastures. Other activities: brush hogging, spraying fields for insects, weeds, started cotton, soybean harvesting and continued corn, sorghum, pea, rice harvesting, scouting for and treating webworms in soybeans, treating crop lands for armyworms, tree fruit, small fruit harvesting, dusting and ear tagging cattle for external parasites, fall calving, giving Brucellosis vaccinations, pregnancy checking spring bred cows, selling cull cows, weaning calves. Corn 85% harvest; 7% poor 28% fair 50% good 15% excellent. Cotton 72% opening bolls; 2% harvested; 1% very poor 8% poor 34% fair 41% good 16% excellent. Soybeans 97% setting pods; 15% shedding; 4% harvested; 9% very poor 18% poor 30% fair 32% good 11% excellent. Sorghum 100% turning color; 90% mature; 59% harvested; 3% very poor 15% poor 39% fair 35% good 8% excellent. Alfalfa 6% very poor 28%

poor 38% fair 28% good. Other hay 13% very poor, 37% poor, 37% fair, 13% good. Range, pastures feed 19% very poor 40% poor 31% fair 10% good.

CALIFORNIA: Field activities progressed normally under favorable conditions in most areas. Seedbed preparations for fall-seeded small grains and forage crops continued. Winter forage planting was ongoing. Short grain rice was harvested on a limited basis in the Sacramento Valley. Medium and long grain rice fields were still being drained, as crop development remained seven to ten days behind normal. Cotton growth gained momentum as temperatures warmed, although most fields were still one to two weeks behind normal. Cotton growers in the San Joaquin Valley were actively treating for late season aphid and armyworm infestations. Imperial Valley cotton harvest was just getting underway. Black eye, garbanzo beans were harvested in the central valleys. Safflower, vineseed harvests were winding down in the Sacramento Valley. Seed alfalfa harvest was virtually complete. Sugar beet harvest was ongoing in the central valleys; less mature fields were sprayed for mites, worms. Corn silage harvest was in full swing, harvest of corn for grain was slowly increasing as more fields matured. Sunflower fields were treated with defoliants in preparation for harvest. Alfalfa, sudan grass were cut for hay or green chopped. Some alfalfa fields were not sprayed for insects due to continued depressed prices. The harvest of grapes for fresh use gained momentum in the San Joaquin Valley. Varieties picked included Red Globe, Flame Seedless, Thompson Seedless. Most of the grapes harvested for raisins were laid; some trays were rolled. Wine grape harvest was gaining momentum. Prune harvest was nearing completion. Picking of apples was active. Granny Smith apples reached required maturity for harvest. Bartlett pears were harvested in Sacramento, Lake, Mendocino counties. Pomegranate harvest was underway; very good color was noted. Harvest of almonds continued. Walnut harvest was expected to begin soon. Valencia oranges, lemons were picked in southern areas. Strawberry growers were weeding, irrigating fields. The processing tomato harvest continued with good yields being reported. Late blight, black mold pressure were increasing along with powdery mildew. An increase in armyworms was noted; growers were treating the infestation. The cantaloupe, melon harvests advanced. Sweet potato, lima bean harvests continued. Fall vegetable planting moved ahead. Established lettuce, broccoli fields were growing well. Some growers were using hazing techniques to limit bird damage to young lettuce seedlings. Pumpkin, carrot fields were treated for worms, aphids. Among the vegetables harvested were eggplant, cilantro, chives, cucumbers, garlic, sweet corn, onions, peppers, squash and yam leaves. Irrigated pastures were in fair to good condition, while non-irrigated pastures were in poor to fair condition. Cattle continued to be shipped from higher elevation pastures where feed was short. Beef cows were calving in central, northern areas. Due to overgrazing or grasshopper damage, hay was being stockpiled by some central area operators for fall livestock feeding. Fire danger remained high in foothill, mountain areas. Some feeder cattle shipped from non-irrigated, higher elevation pastures in northwestern counties had below normal weight gains.

COLORADO: Days suitable for fieldwork 6.3. Topsoil 6% very short, 14% short, 73% adequate, 7% surplus. Subsoil 7% very short, 24% short, 66% adequate, 3% surplus. Mostly warm and dry days with widely scattered thunderstorms, some accompanied by hail. Harvest of small

grains finally nearing completion, later row crops advancing towards maturity. Winter wheat 19% seeded, 22% 1998, 23% avg. Spring wheat 64% harvested, 71% 1998, 73% avg. Spring barley 97% harvested, 95% 1998, 89% avg. Oats 93% harvested, 88% 1998, 82% avg. Corn silage 19% harvested, 25% 1998, 26% avg. Dry onions 58% harvested, 61% 1998, 64% avg. Sugar beets 2% poor, 11% fair, 60% good, 27% excellent. Dry beans 36% cut, 59% 1998, 51% avg.; 19% harvested, 28% 1998, 31% avg; condition 2% poor, 11% fair, 68% good, 19% excellent. Summer potatoes 82% harvested, 70% 1998, 62% avg. Fall potatoes 10% harvested, 17% 1998, 14% avg.; 11% poor, 18% fair, 44% good, 27% excellent. Alfalfa 65% 3rd cutting, 59% 1998, 50% avg.; 1% very poor, 8% poor, 21% fair, 58% good, 12% excellent. Pasture feed, range mostly good.

DELAWARE: Days suitable for fieldwork 4.3. Topsoil 43% short, 54% adequate, 3% surplus. Subsoil 15% very short, 64% short, 21% adequate. Field corn 8% very poor, 32% poor, 42% fair, 17% good, 1% excellent; 85% dented, 84% 1998, 89% avg.; 44% mature, 42% 1998, 44% avg.; 18% harvested for grain, 17% 1998, 12% avg.; 71% harvested for silage, 57% 1998, 59% avg. Soybeans 4% very poor, 29% poor, 39% fair, 26% good, 2% excellent; 90% setting pods, 81% 1998, 86% avg.; 17% turned, 23% 1998, 18% avg.; 10% shedding leaves, 8% 1998, 6% avg. Sorghum 14% poor, 51% fair, 35% good; 40% turned, 43% 1998, 42% avg.; 10% mature, 7% 1998, 10% avg. Sweet corn 85% harvested, 81% 1998, 93% avg. Snap beans 85% harvested, 79% 1998, 86% avg. Cucumbers 87% harvested, 82% 1998, 94% avg. Lima beans 66% harvested, 54% 1998, 56% avg. Tomatoes 86% harvested, 80% 1998, 91% avg. Apples 5% fair, 75% good, 20% excellent; 45% harvested, 52% 1998, 49% avg. Clover and other hay 90% 3rd cutting, 90% 1998, 86% avg. Alfalfa hay 51% 4th cutting, 43% 1998, 37% avg. Hay supplies 2% very short, 38% short, 60% adequate. Pasture feed 3% very poor, 32% poor, 41% fair, 24% good. Activities: Continued vegetable, hay harvesting, grain corn harvesting picking up steam.

FLORIDA: Topsoil moisture throughout State mostly short to adequate. Almost daily showers, many Peninsula areas. Some southwestern parts received over 7.00 in.; some Dade County areas, over 5.00 in.; Palmetto-Ruskin region, about 1.75 to 5.00 in.; Ft. Pierce, about 1.50 in. Rainfall, major stations, ranged from traces at Pensacola to almost 3.00 in. at Tallahassee. Weekly temperatures averaged normal to 2 degrees above. Daytime highs 80s, 90s; nighttime lows 70s. Tobacco marketing active. Cotton, soybean, sugarcane condition normal. Haying active. Cotton starting to cut out, bolls starting to open. Twenty-two percent peanuts harvested. Peanut 4% poor, 23% fair, 73% good. Frequent showers delayed some vegetable field work, most growers able to keep to planting schedules. Currently, most vegetable growers, especially along southeastern coast, preparing for expected bad weather from Hurricane Floyd. Citrus groves very good condition, moisture adequate to surplus. Abundant new growth. New crop fruit progressing well. Several fresh fruit packing houses starting to open. Caretakers cutting cover crops, spraying, fertilizing, herbiciding, cleaning ditches. Pasture feed 5% poor, 30% fair, 60% good, 5% excellent. Cattle 20% fair, 75% good, 5% excellent. Due to dry soil conditions, pasture, range conditions worse than previous week in most locations, Panhandle, north. Condition of most pasture fair to good, south; armyworms active, most cattle in State in good condition.

GEORGIA: Days suitable for fieldwork 6.4. Soil moisture 41% very short, 40% short, 18% adequate, 1% surplus. Soil moisture conditions changed slightly. Scattered showers fell last week but more rain is necessary. Some limbs were broken from the scattered storms. Hay 24% very poor, 34% poor, 30% fair, 12% good. Peanuts 20% dug, 9% 1998, 23% avg. Rye 2% planted, 3% 1998, 2% avg. Sorghum 17% very poor, 26% poor, 38% fair, 18% good, 1% excellent; 47% harvested for grain, 44% 1998, 35% avg. Soybeans 96% setting pods, 97% 1998, 96% avg. Tobacco 97% harvested, 86% 1998, 96% avg. Other small grains 1% planted, 0% 1998, 1% avg. Apples 4% very poor, 8% poor, 42% fair, 44% good, 2% excellent; 32% harvested, 42% 1998, 39% avg. Pecans 8% very poor, 17% poor, 33% fair, 36% good, 6% excellent. Dry soils continued to affect pastures and crops. Insects were a problem in soybeans. Soybean condition declined. Pod set was nearly complete. Leaf drop was slightly ahead of the five year average pace. Sorghum harvest continued ahead of the five year average pace. White flies appeared in cotton fields last week. Cotton was being defoliated. Boll opening and harvesting were ahead of the five year average pace.

Peanut digging continued ahead of last year's pace. Crop matured faster in some fields due to the hot, dry conditions. Farmers were controlling velvetbean caterpillars in peanuts. Pastures, hayfields continued to suffer last week. Pasture, hay condition declined. Army worms continued to be present in some hayfields. Rye, oat planting occurred at the five year average pace. There was concern about having adequate soil moisture for planting. Apple harvest continued behind 1998, average pace. Pecan condition changed slightly.

HAWAII: Days were partly to mostly sunny. Weather conditions were fair for agriculture. Trade winds diminished as the week progressed. Rainfall was generally light, limited to windward areas. Heavy irrigation ensure normal crop progress in most areas. A few areas remained very dry. Bananas were in fair to good condition. Harvesting is expected to remain steady. Papaya orchards were in mostly good condition. A favorable mixture of sunshine and showers enabled papaya trees to make good growth. Head cabbage plantings were in fair to good condition. Warm temperatures lowered yields in some areas. Sweet corn harvesting very active, supplies at moderate to heavy levels. Crop conditions were mostly good.

IDAHO: Days suitable for fieldwork 6.9. Topsoil 7% very short, 37% short, 55% adequate, 1% surplus. Cool temperatures, minimal precipitation created ideal harvest conditions. Irrigation supply 54% excellent, 40% good, 6% fair. Alfalfa hay 65% 3rd cutting, 66% 1998, 53% avg. Oats 75% harvested for grain, 86% 1998, 78% avg. Mint 79% harvested, 91% 1998, 91% avg. Dry peas 95% harvested, 100% 1998, 93% avg. Dry beans 44% harvested, 19% 1998, 33% avg. Corn 23% harvested for silage, 9% 1998, 14% avg. Sweet corn 69% harvested, 67% 1998, 74% avg. Lentils 92% harvested, 95% 1998, 78% avg. Onions 27% harvested, 20% 1998, 32% avg. Peaches 68% harvested, 70% 1998, 80% avg. Prunes, plums 50% harvested, 30% 1998, 57% avg. Apples 6% harvested, 9% 1998, 11% avg. Hops 60% harvested, 52% 1998, 54% avg. Potatoes with vines 34% dead/kill, 32% 1998, 52% avg.; 10% harvested, 7% 1998, 9% avg. Winter wheat 98% harvested, 100% 1998, 98% avg.; 4% planted, 6% 1998, 9% avg. Activities: Monitoring for disease, harvesting cereal grains, potatoes, hay, mint, lentils, dry peas, oats, onions, hops sweet corn, and fruit, beginning fall field work.

ILLINOIS: Days suitable for fieldwork 6.9. Topsoil 38% very short, 47% short, 15% adequate. Dry weather allowed corn harvest to commence last week. Southeast district leads the way in corn harvest. Corn condition remains stable. Soybean crop continues to develop rapidly. Pasture continues to deteriorate because of dry conditions, causing more livestock producers to feed hay. Other activities for last week included hauling grain, chopping silage, preparing machinery, bins for harvest. Soybeans 70% turning yellow, 55% 1998, 47% avg. Alfalfa 96% 3rd cut, 91% 1998, 85% avg.

INDIANA: Days suitable for fieldwork 7.0. Topsoil 62% very short, 32% short, 6% adequate. Subsoil 54% very short, 39% short, 7% adequate. Topsoil, subsoil extremely dry, most areas of State. Corn, soybeans advancing rapidly toward maturity. Light precipitation, some areas. Corn, soybean harvest gaining momentum. Corn, soybean condition declined. Corn 25% good to excellent. Soybean 22% good to excellent. Pastures dried up, most areas. Range, pasture feed 45% very poor, 33% poor, 17% fair, 5% good. Feeding hay continues. Tobacco 78% harvest, 61% 1998, 48% avg. Activities: Seeding winter wheat, cleaning and repairing grain bins, preparing harvest equipment, purchasing wheat seed, harvesting tobacco, tillage of soils, baling hay, feeding hay, caring for livestock.

IOWA: Days suitable for fieldwork 6.1. Topsoil 18% very short, 26% short, 55% adequate, 1% surplus. Subsoil 15% very short, 26% short, 57% adequate, 2% surplus. Rain would be beneficial in many areas of State; northwest, north central, southeast, south central areas still short on moisture. Soybeans not filling out, some plants aborting pods. In dry areas, corn also impacted: smaller than normal ears, kernels. Crops continue to mature, some corn, soybeans harvested. Corn 99% dough stage, 100% 1998, 97% avg.; 92% dent stage, 95% 1998, 84% avg.; 46% mature stage, 60% 1998, 34% avg.; 1% harvested, 3% 1998, 2% avg.; 4% very poor, 7% poor, 21% fair, 48% good, 20% excellent. Soybeans 45% leaves changing color, 73% 1998, 60% avg.; 12% leaves dropping,

30% 1998, 19% avg.; 2% very poor, 8% poor, 24% fair, 47% good, 19% excellent. Livestock generally good condition; reports of pink eye in south central areas. Range, pasture feed 9% very poor, 17% poor, 31% fair, 33% good, 10% excellent. Alfalfa 87% 3rd cutting, 76% 1998, 78% avg.; 3% very poor, 13% poor, 22% fair, 46% good, 16% excellent.

KANSAS: Days suitable for fieldwork 6.2. Topsoil 18% very short, 45% short, 37% adequate. Subsoil 10% very short, 36% short, 53% adequate, 1% surplus. Wheat seeding continues, little progress was made the past week mainly due to dry conditions. Sunflower 1% very poor, 2 poor, 17% fair, 66% good, 14% excellent. Ray flowers 79% dry, 93% 1998. Bracts 51% turning yellow, 71% 1998. Sunflowers 10% mature, 24% 1998; 2% harvested, 6% 1998. Alfalfa 68% 4th cutting, 72% 1998, 54% avg. Hay, forage supplies 6% short, 88% adequate 6% surplus.

KENTUCKY: Days suitable for fieldwork 6.0. Topsoil 84% very short, 14% short, 2% adequate. Subsoil 85% very short, 14% short, 1% adequate. For week, above normal temperatures Statewide with no measurable rainfall. Conditions remain excessively dry in most areas. Soybeans desperately need moisture. Corn harvesting in full swing. Burley cut 84%, 76% 1998, 65% avg. Dark tobacco cut 79%, 74% 1998, 73% avg. Tobacco in field rated 28% very poor, 29% poor, 32% fair, 10% good, 1% excellent. Housed tobacco drying too fast. Pasture feed 57% very poor, 31% poor, 9% fair, 3% good. Hay continues to be fed due to poor pasture conditions. Hay 53% very poor, 29% poor, 14% fair, 4% good. Water for livestock being hauled. Drought conditions continue to stress livestock Statewide.

LOUISIANA: Days suitable for fieldwork 4.8. Soil moisture 8% very short, 32% short, 52% adequate, 8% surplus. Corn 100% harvested, 98% 1998, 94% avg. Cotton defoliation was in full swing. Hay 76% final cutting, 74% 1998, 81% avg. Rice 98% ripe, 98% 1998, 95% avg. Rice harvest edged closer to completion. Soybeans 76% leaves turning, 79% 1998, 59% avg. Sugarcane 17% fair, 57% good, 26% excellent; 92% planted, 58% 1998, 58% avg. Sweet potatoes 9% poor, 29% fair, 59% good, 3% excellent; 26% harvested, 26% 1998, 27% avg. Livestock 1% very poor, 7% poor, 31% fair, 54% good, 7% excellent. Vegetables 4% very poor, 23% poor, 42% fair, 27% good, 4% excellent. Pasture conditions were helped by scattered showers.

MARYLAND: Days suitable for fieldwork 5.3. Subsoil 25% very short, 42% short, 33% adequate. Topsoil 1% very short, 16% short, 82% adequate, 1% surplus. Corn 17% very poor, 28% poor, 39% fair, 14% good, 2% excellent; 83% dent, 80% 1998, 79% avg.; 43% mature, 50% 1998, 40% avg.; 14% harvested for grain, 14% 1998, 9% avg.; 50% harvested for silage, 42% 1998, 42% avg. Soybeans 5% very poor, 19% poor, 38% fair, 30% good, 8% excellent; 10% turned, 23% 1998, 21% avg.; 6% shedding leaves, 7% 1998, 8% avg. Sorghum 14% very poor, 35% poor, 41% fair, 10% good; 60% turning color, 49% 1998, 48% avg.; 10% mature, 0% 1998, 7% avg. Tobacco 72% harvested, 75% 1998, 79% avg. Snap beans 90% harvested, 92% 1998, 90% avg. Cucumbers 86% harvested, 90% 1998, 96% avg. Sweet corn 95% harvested, 94% 1998, 93% avg. Lima beans 41% harvested, 55% 1998, 49% avg. Apples 1% poor, 20% fair, 79% good; 40% harvested, 27% 1998, 31% avg. Clover, other hays 85% 3rd cutting, 81% 1998, 69% avg.; 45% 4th cutting, 37% 1998, 19% avg. Alfalfa 91% 3rd cutting harvested, 99% 1998, 94% avg.; 38% 4th cutting, 56% 1998, 55% avg. Pasture feed 5% very poor, 19% poor, 42% fair, 33% good, 1% excellent. Hay 16% very short, 49% short, 35% adequate. Activities: Some vegetable harvesting finished up, grain harvesting continued.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 29% very short, 55% short, 16% adequate. Subsoil 28% very short, 56% short, 16% adequate. Temperatures closer to normal this past week as crops relieved from hot weather. Besides a downpour State received 6th, rest of State received little rain this past week. Hay 4% very poor, 12% poor, 24% fair, 44% good, 16% excellent. Dry beans 1% poor, 14% fair, 58% good, 27% excellent. Hay 76% 3rd cutting, 83% 1998, 63% avg.; 13% 4th cutting, 19% 1998, 9% avg. Dry beans 98% shedding leaves, 100% 1998, 68% avg.; 77% mature, 82% 1998, 35% avg.; 38% harvested, 28% 1998, 14% avg. Silage 54% harvested, 50% 1998, 20% avg. Soybeans 85% turning leaves, 79% 1998, 53% avg.; 10% mature, 11% 1998, 6% avg. Dry bean harvest in full swing with many splits reported. Corn drying out as farmers with early planted corn expect to harvest this week.

Corn silage harvest in overdrive as farmers trying to harvest silage before it is too dry. Third cutting hay finishing up, some farmers will not have a 4th cutting this year. Early planted soybeans being harvested as they continued to mature. Sugar beets desperate for rain as expected yields lower with each week without rain. Cantaloupe harvest continued. Carrot harvest moving quickly with excellent yields, quality. Cauliflower and broccoli harvests continued with some heads smaller than normal. Celery harvest continued. Cucumbers for pickle harvest continued with good yields, quality. Onion harvest in full swing with some good yields reported. Pepper harvest continued with good quality. Pumpkin harvest underway. Snap beans maturing ahead of normal, lack of rainfall affecting yields. Zucchini, summer squash harvest slowing down, finished in some areas. Yields, quality outstanding this year. Sweet corn harvest winding down. Fresh market tomatoes in good supply. Processing tomato harvest continued. Gala, McIntosh apple harvests continued. Peach harvest wrapped up. Stanley plum harvest ended while late season plum harvest started. Niagara grape harvest neared completion. Concord harvest will begin this week. Bartlett pear harvest wound down, harvest of later varieties started. Blueberry harvest ended, fall red raspberry harvest continued.

MINNESOTA: Days suitable for fieldwork 4.2. Topsoil 2% very short, 15% short, 60% adequate, 23% surplus. Soybeans 63% turning yellow, 86% 1998, 69% avg. Corn 47% silage cut, 69% 1998, 25% avg. Winter wheat 39% seeded, 64% 1998, 63% avg. Rye 47% seeded, 68% 1998, 57% avg. Dry beans 21% harvested, 71% 1998, 36% avg. Sweet corn 87% harvested, 92% 1998, 82% avg. Potatoes 31% harvested, 26% 1998, 22% avg. Grain, hay 49% stubble plowed, 66% 1998, 53% avg. Pasture feed 5% very poor, 11% poor, 27% fair, 47% good, 10% excellent. Sugar beets 1% very poor, 5% poor, 23% fair, 60% good, 11% excellent. Sunflowers 1% very poor, 9% poor, 31% fair, 53% good, 6% excellent. Dry beans 3% very poor, 10% poor, 40% fair, 41% good, 6% excellent. Days and nights turned cooler during the week, crops are in their final stages of development. Soybeans vary widely in maturity at this point. A few fields have been harvested in the west central district, for many producers, several weeks of maturing will be required before their fields are ready. In portions of the northwest, north central districts which have had daily rains for the past 2 weeks, progress on the small grains, hay harvest has slowed to a standstill.

MISSISSIPPI: Days suitable for fieldwork 6.0. Soil moisture 39% very short, 31% short, 29% adequate, 1% surplus. Some areas of the State received beneficial rainfall. Corn 88% harvested, 88% 1998, 65% avg.; 99% silage harvested, 93% 1998, 93% avg. Cotton 93% open bolls, 94% 1998, 80% avg.; 9% harvested, 7% 1998, 5% avg.; 4% very poor, 15% poor, 35% fair, 42% good, 4% excellent. Rice 76% mature, 85% 1998, 82% avg.; 32% harvested, 55% 1998, 46% avg.; 1% very poor, 4% poor, 28% fair, 52% good, 15% excellent. Sorghum 99% mature, 91% 1998, 89% avg.; 85% harvested, 67% 1998, 58% avg.; 84% silage harvested, 84% 1998, 74% avg. Soybeans 85% turning color, 79% 1998, 64% avg.; 67% shedding leaves, 52% 1998, 41% avg.; 27% harvested, 16% 1998, 12% avg.; 14% very poor, 20% poor, 30% fair, 30% good, 6% excellent. Sweet potatoes 25% harvested, 24% 1998, 28% avg.; 1% very poor, 6% poor, 37% fair, 55% good, 1% excellent. Hay (warm-season) 90% harvested, 94% 1998, 94% avg. Cattle, 1% very poor, 11% poor, 43% fair, 37% good, 8% excellent. Pasture feed 15% very poor, 22% poor, 36% fair, 23% good, 4% excellent.

MISSOURI: Days suitable for fieldwork 6.7. Topsoil 65% very short, 26% short, 9% adequate. Precipitation 0.41 in. All reporters indicated very short or short as the most common ratings. Driest districts are the northeast, south central, southeast. Several weeks without significant rainfall is affecting all crops especially soybeans. With pastures in distress and ponds low, producers are feeding hay, hauling water to livestock. Corn 81% mature; 32% harvested, about six days ahead of 1998, two weeks ahead of normal. Harvesting in the Bootheel is nearing completion with 89% harvested. Ninety-eight percent of all soybeans were setting pods, 46% turning color, 19% dropping leaves. Development is normal for this time of year, three days behind 1998. Sorghum 88% turning color, 50% maturity. Crop is about 7 days ahead of normal for this date. Bootheel leads all districts with 85% of the crop matured. Cotton 86% opened bolls, about 5 days ahead of 1998, two weeks ahead of average. Pasture feed, range 49% very poor, 27% poor, 17% fair, 7% good. Most districts reported pastures as poor to very poor. Northeast,

south-central, southeast districts reported almost 80% of pastures in very poor condition.

MONTANA: Days suitable for fieldwork 4.7. Topsoil 15% very short, 35% short, 49% adequate, 1% surplus. Subsoil 18% very short, 39% short, 43% adequate. Cooler than recent weeks, only small amounts of moisture were recorded at most locations across the State. Sugar beets 4% harvested, 0% 1998, 1% avg. Sugar beets 1% poor, 19% fair, 56% good, 24% excellent. Winter wheat harvested 98%, 100% 1998, 98% avg. Spring wheat 95% ripe, 99% 1998, 97% avg. Barley 96% ripe, 99% 1998, 97% avg. Oats 95% ripe, 99% 1998, 97% avg.; 82% harvested, 97% 1998, 88% avg. Corn for silage 19% harvested, 50% 1998, 30% avg.; 1% poor, 17% fair, 71% good, 11% excellent. Potatoes 4% poor, 19% fair, 57% good, 20% excellent. Dry beans 56% harvested, 59% 1998, 49% avg.; 3% poor, 24% fair, 61% good, 12% excellent. Alfalfa 83% 2nd cutting, 94% 1998, 91% avg. Other hay 96% harvested, 98% 1998, 98% avg. Cattle, calves 17% moved from summer ranges, 19% 1998, 12% avg. Sheep, lambs 24% moved from summer ranges, 18% 1998, 13% avg.

NEBRASKA: Days suitable for fieldwork 5.8. Topsoil 12% very short, 24% short, 63% adequate, 1% surplus. Subsoil 9% very short, 24% short, 66% adequate, 1% surplus. Temperatures 2° below normals for the week. Precipitation occurred across the State, ranged from traces to one and four hundredths inches at Brewster. Corn 2% very poor, 5% poor, 17% fair, 56% good, 20% excellent. Dryland corn 58%, irrigated corn 87% good and excellent. Corn 93% dented, 98% 1998, 83% avg.; 21% matured, 42% 1998, 21% avg. Soybeans 5% very poor, 9% poor, 29% fair, 46% good, 11% excellent; 51% coloring, 70% 1998, 55% avg.; 9% dropping leaves, 22% 1998, 19% avg. Sorghum 68% turning color, 90% 1998, 75% avg.; 2% mature, 26% 1998, 14% avg.; 7% poor, 29% fair, 54% good, 10% excellent. Dry beans 85% dropping leaves, 68% 1998, 61% avg.; 2% poor, 23% fair, 72% good, 3% excellent. Alfalfa 1% very poor, 9% poor, 27% fair, 56% good, 7% excellent; 99% 3rd cutting, 94% 1998, 92% avg. Pasture feed, range 4% very poor, 13% poor, 25% fair, 53% good, 5% excellent. Pastures were starting to dry up, to lack of moisture. Some farmers started to precondition and wean calves. Producer activities included moving grain, cutting silage, getting combines ready for harvest, tillage of wheat stubble, spraying ecofallow, preparing fields for wheat planting, marketing of yearlings.

NEVADA: Temperatures slightly above normal through most of the State with the exception of Elko where temperatures were slightly below normal for the majority of the week. Once again, Ely had the most precipitation for the week with 0.18 in. Las Vegas received 0.04 in., Reno received only a trace of precipitation. Irrigation water supply remained adequate throughout most of the State. Alfalfa hay harvest continued, with 3rd cutting well along, 4th cutting beginning. Alfalfa seed harvest continued. Grain harvest was wrapping up. Onion harvest gained momentum. Potato harvest began; frost from the previous week had halted potato development. Main farm, ranch activities: Irrigating, harvesting alfalfa, digging potatoes, alfalfa seed harvest, onion harvest, working cattle.

NEW ENGLAND: Days suitable for fieldwork 5.7. Topsoil 12% very short, 39% short, 48% adequate, 1% surplus. Subsoil 34% very short, 34% short, 31% adequate, 1% surplus. Pasture feed 25% very poor, 40% poor, 26% fair, 9% good. Maine potatoes 10% harvested, 5% 1998, 5% avg.; condition excellent to good. Massachusetts potatoes 55% harvested, 55% 1998, 55% avg.; condition good to fair. Rhode Island potatoes 50% harvested, 35% 1998, 45% avg.; condition fair to poor. Oats in Maine 95% harvested, 75% 1998, 60% avg.; condition good to excellent. Barley in Maine 99% harvested, 90% 1998; condition good to excellent. Field corn 50% harvested, 10% 1998, 10% avg.; condition good to fair. Sweet corn 90% harvested, 85% 1998, 85% avg.; condition good to fair. Shade tobacco 95% harvested, 100% 1998, 100% avg., condition good. Broadleaf tobacco 99% harvested, 99% 1998, 99% avg.; condition good. Second cut hay 95% harvested, 85% 1998, 85% avg.; condition good to fair. Third cut hay 65% harvested, 45% 1998, 50% avg.; condition fair. Apples 25% harvested, 20% 1998, 20% avg.; size average to below average, condition good. Peaches 85% harvested, 95% 1998, 95% avg.; size average to below average, condition fair. Pears 20% harvested, 35% 1998, 40% avg.; size below average to average, condition fair. Cranberries size average, condition good to excellent. Highbush

blueberries 99% harvested, 100% 1998, 99% avg.; size average, condition good to fair. First significant rainfall in most parts of the region since May 23. Major farm activities included: Harvesting tree fruits, potatoes, late season vegetables; chopping silage corn; disking down harvested fields.

NEW JERSEY: Days suitable for fieldwork 5. Temperatures above normal. Extremes 45°; 89°. Rainfall 1.17 in. north, 1.05 in. central, 1.38 in. south. Recent rains arrived at the critical pod set stage, many fields were able to recover after months of extreme dryness. Heaviest 24 hour total 1.49 in. at Atlantic City Marina on the 7th to the 8th. Estimated soil moisture, percent of field capacity, this past week averaged 84% north, 68% central, 65% south. Four inch soil temperatures 71° north, 73° central, 74° south. Irrigation water supply is now adequate in most areas. Preparation of fields for small grains, hay, grass seeding occurred during the week. Field corn is in poor condition across the State. Cutting of corn silage is in full swing. Soybeans between poor to fair in most areas. Alfalfa, other hay fields is improving with the recent rains, delayed 2nd cutting might occur in some areas. Prospects for a 3rd cutting are improving if rains continue. Pasture condition continued to improve, however, supplemental feeding of cattle is still needed in most areas. Some farmers are turning their cattle out to hay fields. Harvest of summer vegetable crops is in full swing. Over 70% of the tomato, pepper, cucumber crops have already been harvested. Excess moisture is causing disease problems in the remaining tomato fields across southern areas. This, in addition to the skin cracking problems reported earlier, have affected the quality of the late planted tomatoes. Some peppers fields are being affected by insect problems also due to the excess moisture. Potato harvest is winding down in southern areas. Smaller than usual sizes have been reported. Sweet potato harvest has already started in the southern counties. Harvesting of fall spinach, lettuce have also started. Disease, insect problems have been reported in fall cabbage fields that were planted recently. Harvest of peaches is near completion while harvest of apples is picking up. Quality of both crops has been reported to be from excellent to good, especially in terms of flavor, texture, color. Some farmers have reported sizes smaller than usual for both fruits. However, the overall quality is still considered as good.

NEW MEXICO: Days suitable for fieldwork 6.8. Temperatures a little above normal most locations. Some measurable precipitation fell at about two thirds of the reporting stations. Conditions continued favorable across most of the State for harvest of hay, vegetable crops. Fall planting of wheat was progressing rapidly. Planting new alfalfa fields has started. Chile, corn silage harvest remained active. Ranchers reported good weight gains with no supplemental feeding. Pasture feed, range 1% very poor, 5% poor, 26% fair, 56% good, 10% excellent. Cattle, sheep conditions remained in mostly good to excellent condition.

NEW YORK: Days suitable for fieldwork 5.6. Soil moisture 29% very short, 52% short, 19% adequate. Pasture feed 27% very poor, 58% poor, 15% fair. Hay 11% poor, 45% fair, 44% good. Alfalfa 82% 3rd cutting, 72% 1998, 67% avg. Corn 11% poor, 11% fair, 67% good, 11% excellent. Silage corn 37% chopped, 19% 1998, 9% avg. Oat harvest complete. Early dry beans harvested. Potato digging continued. Onion harvest in full swing. Sweet corn, snap bean, cucumber, cabbage harvest continued. Apple harvest in full swing. Size, quality excellent. Jona Macs, Macintosh being picked. Finger Lakes grape harvest underway. Dairy farmers dealing with water supply problems. New, deeper wells being drilled.

NORTH CAROLINA: Days suitable for fieldwork 4.2, 5.7 last week. Soil moisture levels have nearly recovered, 8% very short, 9% short, 53% adequate, 30% surplus. Although the hurricane rains were widespread, the Mountain region received very little rainfall, still extremely dry. One week after Hurricane Dennis moved through the State, official estimate of \$37 million worth of damage has been associated with the tropical disturbance. Tobacco sustained estimated damages totaling nearly \$14 million, the most costly. However, corn, soybeans, cotton each had damage estimates of over \$6.5 million. Over 475,000 acres suffered losses with soybean acres accounting for more than half of the total. Tobacco harvesting and marketing are still the major activities along with corn for grain and silage harvest. Other activities included sorghum,

sweet potato harvest, weed control in all crops, baling hay, harvesting apples, peaches, vegetables, crop scouting, tending livestock.

NORTH DAKOTA: Days suitable for fieldwork 3. Topsoil 1% very short, 5% short, 75% adequate, 19% surplus. Subsoil 1% very short, 8% short, 74% adequate, 17% surplus. Poor weather conditions once again added to farm stress as rain, cool temperatures further delayed small grain harvest, fall tillage, slowed row crop development. Durum wheat 33% combined, 92% 1998, 71% avg. Canola 94% swathed, 100% 1998; 52% combined, 92% 1998. Corn for grain 11% ripe, 38% 1998, 22% avg.; silage 2% chopped, 19% 1998, 16% avg. Dry edible beans 68% mature, 99% 1998, 92% avg.; 20% cut, 80% 1998, 48% avg.; 4% combined, 64% 1998, 33% avg. Flaxseed 93% turning, 100% 1998, 97% avg.; 29% combined, 82% 1998, 44% avg. Potatoes 62% vines killed, 83% 1998, 75% avg.; 8% dug, 12% 1998, 19% avg. Soybeans 46% lower leaves yellowing, 88% 1998, 85% avg.; 21% mature, 45% 1998, 43% avg. Sugar beets 5% lifted, 4% 1998 2% avg. Sunflowers 35% bracts turned yellow, 82% 1998, 71% avg.; 7% bracts turned brown, 25% 1998, 26% avg. Dry beans, flax, soybeans declined in condition ratings. Emerged crop condition: durum 4% very poor, 12% poor, 44% fair, 36% good, 4% excellent; corn for grain 2% very poor, 7% poor, 26% fair, 56% good, 9% excellent; corn for silage 3% poor, 29% fair, 56% good, 12% excellent; dry edible beans 14% poor, 31% fair, 40% good, 15% excellent; flaxseed 5% poor, 29% fair, 54% good, 12% excellent; potatoes 7% poor, 11% fair, 42% good, 40% excellent; soybeans 4% very poor, 11% poor, 26% fair, 50% good, 9% excellent; sugar beets 1% very poor, 7% poor, 11% fair, 49% good, 32% excellent; sunflower 1% very poor, 6% poor, 27% fair, 53% good, 13% excellent. Stockwater 82% adequate, 18% surplus. Hay condition rated 8% above normal.

OHIO: Days suitable for fieldwork 6.6. Topsoil 39% very short, 39% short, 22% adequate. Soybeans 65% dropping leaves, 45% 1998, 27% avg.; 20% mature 20%, 9% 1998, 5% avg.; 4% harvested, 0% 1998, 0% avg. Alfalfa hay 95% 3rd cutting, 93% 1998, 81% avg.; 45% 4th cutting, 32% 1998. Other hay 70% 3rd cutting, 70% 1998, 54% avg. Corn 94% dented, 83% 1998, 68% avg.; 38% mature, 17% 1998, 9% avg.; 51% harvested for silage, 23% 1998, 14% avg.; 3% harvested for grain, 3% 1998, 1% avg. Fall, winter apples 23% harvested, 22% 1998. Grapes 25% harvested. Tobacco 100% topped, 96% 1998; 45% harvested, 58% 1998. Processing tomatoes 62% harvested, 57% 1998, 46% avg. Potatoes 60% harvested, 65% 1998, 44% avg. Pasture feed 20% very poor, 35% poor, 31% fair, 13% good, 1% excellent. Corn 9% very poor, 17% poor, 33% fair, 36% good, 5% excellent. Soybeans 7% very poor, 16% poor, 34% fair, 38% good, 5% excellent. Activities include: Making hay; planting alfalfa, cover crops; mowing, seeding CRP; combining soybeans; chopping wheat stubble; harvesting grapes, apples; picking tomatoes, sweet corn; digging potatoes; chopping silage; plowing wheat ground; applying minerals; seeding filter strips; hauling grain; installing tile, waterways; leveling land; constructing, cleaning grain bins; hauling manure; pulling weeds in soybeans; scouting for insects, disease; preparing for harvest; selling livestock; spraying, topping, cutting tobacco; hauling water; inspecting Christmas trees; irrigating specialty crops; cutting firewood; and attending fairs. Reported weed pressures include yellow foxtail, pigweed, velvetleaf, lambs quarters, Canadian thistle, giant ragweed, Johnson grass, chickweed, mare's tail. Reported insects include spider mites on soybeans; leaf hoppers in potatoes; corn borers; stink bugs on pumpkins, squash; beetles in soybeans, corn. Reported diseases include sudden death syndrome, white mold in soybeans; gray leaf spot, aflatoxin, fungus on corn; brown stem rot; Stewart's wilt in corn; mildew on vegetables. Fruit, vegetable conditions are mostly good despite continuing dry conditions. In Richland county, local growers are harvesting fall tomatoes, sweet corn, apples. In Ashtabula county, the grape harvest is underway, pumpkins are ripening in Columbiana county. Wayne county reporter mentioned that vegetable quantity, quality is about average, apple size is slightly below average due to dry conditions. Athens county, apples are ripening for the fall harvest. Muskingum County reporter mentioned that fruit, vegetable yields are very low. Pasture grasses are reported in poor to very poor condition throughout most areas of the State. Rain has provided little relief for dry, dormant pastures. Regrowth is very slow. Wayne county reporter stressed the need for rain to generate pastures, grass for next year. Livestock are reported in good to poor condition. In the northern half of the State, livestock are in mostly good condition. In the southern half of the State, livestock are being fed hay. Livestock continue to show signs of heat stress.

OKLAHOMA: Days suitable for fieldwork 5.7. Subsoil 14% very short, 28% short, 58% adequate. Topsoil 17% very short, 38% short, 43% adequate, 2% surplus. Cool, wet weather produce excellent conditions for wheat seeding, aid row crop maturity. Wheat 75% seedbed prepared, 69% 1998, 77% avg. Oats 80% seedbed prepared, 55% 1998, 61% avg. Corn 2% very poor, 1% poor, 3% fair, 93% good, 1% excellent; 75% mature, 82% 1998, 60% avg.; 29% harvested, 60% 1998, 32% avg. Soybeans 1% very poor, 18% poor, 36% fair, 44% good, 1% excellent; 82% setting pods, 93% 1998, 94% avg.; 32% mature, 58% 1998, 38% avg.; 7% harvested, 18% 1998, 11% avg. Peanuts 16% mature, 39% 1998, 21% avg. Alfalfa hay 2% very poor, 7% poor, 43% fair, 46% good, 2% excellent; 67% 4th cutting, 34% 1998, 65% avg.; 11% 5th cutting, 2% 1998, 9% avg. Other hay 61% 2nd cutting, 20% 1998, 68% avg. Livestock 2% poor, 26% fair, 67% good, 5% excellent. Feeder steer prices stable to \$1 per cwt. higher.

OREGON: Days suitable for fieldwork 7. Topsoil 50% very short, 36% short, 14% adequate. Subsoil 53% very short, 30% short, 16% adequate, 1% surplus. Barley 73% harvested, 90% 1998, 84% avg. Spring wheat 95% harvested, 97% 1998. Winter wheat 99% harvested, 100% 1998, 100% avg. Range, pasture feed 5% very poor, 25% poor, 34% fair, 33% good, 3% excellent. Activities: Small grain harvest nearly completed. Klamath Basin, northeast still have grain to be harvested. Haying continued on east side. Mint harvest winding down. Fall field preparation underway on westside. Red clover, hay harvest continued. Willamette Valley reported field corn maturing fast. Irrigation, repotting of containers, rotation of containers main activity at nurseries. Greenhouses have fall mums, pansies for sale, working on fall, winter plant starts, plans. Willamette Valley harvest of processing green beans nearing completion. Onions being pulled, excellent drying weather. Sweet corn harvest ongoing, most potatoes dug. Half of potatoes Klamath Basin knocked down, potato harvest began. Northeast reported slow progress of fresh potato harvest, low prices, slow movement. Willamette Valley evergreen blackberry picking winding down, caneberrys being pruned, trained. Peach, pear, apple harvest continued. Hazelnuts ripening. Rogue River Valley pear harvest in full swing, apples also being picked. Gala picking in Milton-Freewater has ended, some early Red Delicious picking has started. Grapes need some more warm weather. South coast cranberry leaf tissue sampling winding down. Hood River Valley gala apple harvest began in lower valley, Bartlett pears being picked in upper valley. Livestock mostly good, some fair. Western pastures mostly reached summer dormancy except irrigated. Some cattle movement has started.

PENNSYLVANIA: Days suitable for fieldwork 4.3. Soil moisture 19% very short, 40% short, 32% adequate, 9% surplus. Corn 90% dough, 90% 1998, 90% avg.; 64% dent, 49% 1998, 60% avg.; 25% mature, 15% 1998, 16% avg. Ensilage corn 48% harvested, 21% 1998, 22% avg. Soybean 13% very poor, 22% poor, 48% fair, 16% good, 1% excellent. Wheat 5% planted, 5% 1998, 14% avg. Barley 22% planted, 17% 1998, 17% avg.; 15% emerged, 9% 1998, 6% avg. Tobacco 60% harvest, 84% 1998, 79% avg. Potato 32% harvest, 32% 1998, 37% avg. Alfalfa 81% 3rd cutting, 75% 1998, 72% avg.; 40% 4th cutting, 40% 1998, 33% avg. Timothy clover 88% 2nd cutting, 87% 1998, 87% avg. Quality of hay 14% very poor, 16% poor, 24% fair, 35% good, 11% excellent. Apple 32% harvest, 33% 1998, 31% avg.; 3% poor, 22% fair, 69% good, 6% excellent. Peach 94% harvest, 91% 1998, 88% avg.; 1% poor, 15% fair, 67% good, 17% excellent. Grape 5% harvest, 9% 1998, 21% avg. Fall 29% plowing, 28% 1998, 34% avg. Activities include: Harvesting fruits, vegetables, potatoes, barley, rye, oats, corn silage, tobacco; planting barley and wheat; machinery maintenance; filling silos; fixing fences; hauling manure; pumping and spreading manure; spreading lime; caring for livestock; cutting hay; plowing for the fall.

SOUTH CAROLINA: Days suitable for fieldwork 6.2. Soil moisture 21% very short, 47% short, 31% adequate, 1% surplus. Apples 45% harvested, 37% 1998, 43% avg.; 30% poor, 56% fair, 14% good. Corn 100% matured, 100% 1998, 100% avg.; 88% harvested, 84% 1998, 72% avg.; 7% very poor, 24% poor, 41% fair, 23% good, 5% excellent. Livestock 1% very poor, 11% poor, 40% fair, 38% good, 10% excellent. Grapes 33% poor, 53% fair, 14% good. Peaches 100% harvested, 100% 1998, 100% avg. Pasture feed 17% very poor, 33% poor, 41% fair, 9% good. Sorghum 99% headed, 100% 1998; 92% turned color, 92% 1998; 65% matured, 62% 1998; 40% harvested, 39% 1998, 35% avg.; 15% very

poor, 38% poor, 41% fair, 6% good. Sweet potatoes 11% harvested, 14% 1998, 12% avg.; 7% poor, 34% fair, 59% good. Tobacco 93% harvested, 93% 1998, 94% avg.; 61% stalks destroyed, 52% 1998, 57% avg. Winter grazings 6% planted, 16% 1998, 14% avg. Winter wheat 1% planted.

SOUTH DAKOTA: Days suitable for fieldwork 4.0. Topsoil 1% very short, 11% short, 68% adequate, 20% surplus. Subsoil 12% short, 73% adequate, 15% surplus. Alfalfa 1% very poor, 2% poor, 20% fair, 58% good, 19% excellent; 95% 2nd cutting; 63% 3rd cutting, 68% 1998. Other hay 92% harvested. Sorghum 99% headed, 100% 1998, 99% avg.; 0% harvested, 6% 1998, 1% avg., 12% harvested for silage, 21% 1998, 10% avg. Soybeans 4% mature, 17% 1998, 14% avg.; 0% harvested, 1% 1998, 0% avg. Sunflower 3% poor, 22% fair, 58% good, 17% excellent; 77% ray flowers dry, 91% 1998, 91% avg.; 58% bracts yellow, 73% 1998, 69% avg.; 5% mature, 20% 1998, 16% avg. Flaxseed 1% very poor, 2% poor, 23% fair, 56% good, 18% excellent; 99% ripe, 100% 1998, 97% avg.; 79% harvested, 96% 1998, 83% avg. Corn 34% harvested for silage, 48% 1998, 19% avg. Winter rye 15% seeded, 41% 1998, 32% avg.; 3% emerged, 29% 1998, 16% avg. Winter wheat 2% emerged, 10% 1998, 9% avg. Range, pasture feed 1% very poor, 6% poor, 21% fair, 54% good, 18% excellent. Stock water 3% short, 82% adequate, 15% surplus. Cattle 7% fair, 66% good, 27% excellent. Sheep 4% poor, 6% fair, 59% good, 31% excellent.

TENNESSEE: Days suitable for fieldwork 7.0. Topsoil 75% very short, 21% short, 4% adequate. Subsoil 69% very short, 25% short, 6% adequate. Corn 97% mature, 83% 1998, 77% avg.; 76% harvested for grain, 47% 1998, 28% avg.; 89% silage harvested, 83% 1998, 76% avg. Burley 80% harvested, 58% 1998, 64% avg. Dark air cured 91% harvested, 68% 1998, 74% avg. Dark fire cured 81% harvested, 68% 1998, 71% avg. Pasture feed 45% very poor, 38% poor, 18% fair, 8% good. Hay stocks 16% very short, 28% short, 50% adequate, 6% surplus. Drought conditions continued last week with only a few scattered showers on 8th, 9th. Pastures, livestock water supplies have also been hurt tremendously by the heat, dry conditions. Pastures are mostly poor to very poor, while water shortages are becoming more numerous. Hay continues to be fed, cattle marketings remain heavier than normal. Hay supplies have been depleted more rapidly than normal with only 56% of the counties reporting adequate or better levels. On a brighter note, corn harvest continued at a record pace last week, 76% of the crop had been harvested. This progression is a full three weeks ahead of the average.

TEXAS: Temperatures moderated during the week as widely scattered showers fell in the Plains, North, East Texas, along the Upper Coast. Numerous showers from a tropical storm fell across South Texas. Land preparation remained slow in many locations due to continued dry conditions. Mostly open weather allowed harvest activities to progress. Grain storage problems continued in some locations. Livestock conditions remained fair to good, as supplemental feeding continued.

Crops: Small Grains: Seeding of wheat, oats continued, however some wheat fields were being dry planted. Oat seeding continued where moisture was available. Irrigation began where possible to hasten crop emergence. Emerged 4%, 5% 1998, 4% avg. Oats 7% planted, 11% 1998, 7% avg. Corn harvest continued to expand on the High Plains. Silage harvest was completed. Harvest neared completion in the Blacklands, Central Texas, Upper Coast. Markets continue to be weak. Corn 89% of normal, 57% 1998. Cotton generally good growth, development continued in the Plains where moisture was available. Dry land fields need more rain as boll drop was still a problem. Fields were maturing rapidly. Boll weevil eradication spraying was in progress in some areas. Harvest continued in the Coastal Bend, Blacklands, Central Texas with good yields reported. Harvest began in the Plains. Cotton 63% of normal, 47% 1998. Peanuts harvest continued in central, south Texas began in the Plains. Fields continued to look good in the Plains, north central Texas. Irrigation was still active but beginning to wind down as the crop matured. Dryland fields need more rain, however some spotted showers were reported. Some spraying for diseases was still occurring. Peanut 76% of normal, 57% 1998. Pegging 100%, 100% 1998. Rice harvest neared completion along the Upper Coast with very good yields, excellent quality reported. Irrigation of the second crop was reported. Sorghum harvest continued to expand on the Plains under continued warm dry conditions as the crop matured. Harvest was mostly completed in other areas. Storage space continued to be a problem. Sorghum 69%

of normal, 46% 1998. Headed 97%, 100% 1998, 99% avg. Soybeans progress, development was good in the High Plains as spotted showers occurred. Irrigation remained active but declined as fields neared maturity. Harvest was mostly completed in the Blacklands, Upper Coast.

Commercial Vegetables: Rio Grande Valley, land preparation was limited as drying conditions were still needed. San Antonio-Winter Garden, some planting of fall vegetables continued. Some areas received scattered showers. East Texas, sweet potato, watermelon harvest continued but slowed. Harvest of vegetables, planting of fall crops remained slow due to continued dry conditions in most locations. High Plains, vegetable harvest was mostly completed. Trans Pecos, some vegetables remained to be harvested, most was complete. Some peaches continued to be available in the High Plains area. Pecans continued to drop nuts as showers have not been of much help. Insects were still a problem in most areas.

Range and Livestock: Production of hay continued to decline, however supplies remain good. Supplemental feeding continued as pastures declined. Grass fires continued to be a problem in Central Texas, the Edwards Plateau, High Plains. Poultry operations benefitted from the slightly cooler temperatures.

UTAH: Days suitable for fieldwork 6.6. Topsoil 12% very short, 21% short, 65% adequate, 2% surplus. Subsoil 12% very short, 22% short, 64% adequate, 2% surplus. Pasture feed, range 1% very poor, 9% poor, 31% fair, 53% good, 6% excellent. Corn 75% dough stage, 73% 1998, 56% avg.; 17% dent stage, 30% 1998, 23% avg. Corn silage 11% harvested, 8% 1998, 7% avg. Alfalfa hay 79% 3rd cutting, 65% 1998, 62% avg. Alfalfa seed 20% harvested, 32% 1998, 25% avg. Oats 88% harvested for grain, 86% 1998, 84% avg. Peaches 75% picked, 48% 1998, 77% avg. Pears 62% picked, 46% 1998, 68% avg. Apples 14% picked, 3% 1998, 15% avg. Potatoes 10% harvested, 4% 1998, 11% avg. Onions 22% harvested, 24% 1998, 28% avg. Cattle 12% moved from summer range, 9% 1998, 17% avg. Sheep 11% moved from summer range, 4% 1998, 11% avg. Irrigation water supply 7% very short, 14% short, 72% adequate, 7% surplus. Stock water 3% very short, 18% short, 77% adequate, 2% surplus. Major activities included: Harvesting hay, fruit, vegetables, preparing land for fall planting, irrigating.

VIRGINIA: Days suitable for fieldwork 4.0. Topsoil 10% very short, 19% short, 53% adequate, 18% surplus. Subsoil 19% very short, 35% short, 36% adequate, 10% surplus. Topsoil, subsoil moisture levels greatly improved this past week as a result of Tropical Storm Dennis. Flash flooding was a problem in some localities as weather conditions changed from one extreme to another. Pasture feed 7% very poor, 29% poor, 37% fair, 25% good, 2% excellent. Livestock 9% poor, 41% fair, 42% good, 8% excellent. Hay, other 9% very poor, 26% poor, 44% fair, 21% good. Hay, alfalfa 3% very poor, 10% poor, 47% fair, 30% good, 10% excellent. Corn for grain 96% dough, 96% 1998, 95% avg.; 82% dented, 78% 1998, 78% avg.; 60% mature, 62% 1998, 59% avg.; 10% harvested, 33% 1998, 21% avg.; 13% very poor, 22% poor, 35% fair, 22% good, 8% excellent. Corn for silage 45% harvested, 69% 1998, 45% avg. Soybeans 97% blooming, 99% 1998, 98% avg.; 87% setting pods, 92% 1998, 87% avg.; 5% dropping leaves, 10% 1998, 4% avg.; 6% very poor, 15% poor, 39% fair, 31% good, 9% excellent. Tobacco, flue cured 60% harvested, 47% 1998, 57% avg.; 5% poor, 30% fair, 45% good, 20% excellent. Tobacco, burley 69% harvested, 59% 1998, 50% avg.; 4% very poor, 6% poor, 20% fair, 44% good, 26% excellent. Tobacco, dark fire cured 80% harvested, 82% 1998, 79% avg. Tobacco, sun cured 75% harvested, 85% 1998, 73% avg. Peanuts 0% dug, 1% 1998, 2% avg.; 0% combined, 0% 1998, 0% avg.; 11% fair, 55% good, 34% excellent. Cotton 40% bolls opening, 84% 1998, 53% avg.; 8% fair, 43% good, 49% excellent. Apples, all 3% very poor, 8% poor, 31% fair, 48% good, 10% excellent. Apples, fall 18% harvested, 12% 1998, 28% avg. Apples, winter 2% harvested, 0% 1998, 0% avg. Peaches 95% harvested, 98% 1998, 98% avg. Pastures continued to green up with adequate re-growth. The condition of hay acreage improved as well. Corn acreage is progressing on a normal schedule. Harvest of corn acres for grain, silage was brought to a halt in many areas due to wet field conditions. Soybean crop has caught up to a normal schedule with respect to plant development. Some plants were stunted earlier in the growing season, have not been able to recover. These acres will likely be cut for hay. Tobacco producers have been able to harvest this year's crop on schedule or even slightly ahead thus far. Progress slowed as a result of recent rains. Peanut acres remain in mostly good or excellent condition however disease pressure increased

due to wet fields. Condition of cotton acreage remains virtually unchanged from the previous week. Harvest of fall, winter apples commenced across the fruit growing areas of the Commonwealth. Some splitting of the fruits was reported after last weeks rain. Peach harvest is nearly complete. Small grain producers are preparing fields for sowing.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 20% very short, 48% short, 32% adequate. Subsoil 15% very short, 58% short, 27% adequate. Moisture was still too high in some fields to harvest. Winter wheat 100% harvested, 100% 1998, 99% avg.; 45% planted, 52% 1998, 42% avg. Due to the warm weather, winter wheat harvest was completed. Growers had almost one-half of the 2000 crop planted, it was starting to emerge. Some areas were being re-seeded due to rains that crusted the soil. Spring wheat 95% harvested, 100% 1998, 98% avg. Barley 96% harvested, 100% 1998, 98% avg. Potatoes 32% harvested, 33% 1998, 28% avg.; 9% fair, 51% good, 40% excellent. Hay, other roughage 2% short, 77% adequate, 21% surplus. Range, pasture feed 20% very poor, 36% poor, 26% fair, 14% good, 4% excellent. Harvest for barley, spring wheat progressed throughout last week. Winter canola was being seeded, starting to emerge. Third cutting of alfalfa was almost completed, corn silage harvest continued. Sweet corn harvest continued while apples and peaches were still being harvested. Some apple producers were reporting scab in trees that were not sprayed in western areas. Grape producers were preparing for the late harvest to start, blueberries were still being harvested.

WEST VIRGINIA: Days suitable for fieldwork 6.0. Topsoil 29% very short, 53% short, 18% adequate. Producers made good harvest progress as cooler temperatures, dry weather conditions continued over most of the State. However, drought conditions continue to affect water supplies. Hay 30% very poor, 38% poor, 30% fair, 2% good; Hay 2nd cut 79%, 91% 1998, 88% avg.; 3rd cut 34%, 49% 1998, 52% avg. Corn 13% very poor, 49% poor, 34% fair, 4% good; doughing 91%, 89% 1998, 90% avg.; 60% dent, 56% 1998; 45% mature, 29% 1998, 33% avg. Oats 99% harvested, 100% 1998, 98% avg. Soybeans 4% very poor, 24% poor, 48% fair, 24% good; 96% setting pods, 90% 1998, 98% avg.; 31% dropping leaves, 53% 1998, 31% avg. Tobacco 12% very poor, 14% poor, 31% fair, 43% good; 93% topped, 84% 1998, 96% avg.; 20% harvested, 33% 1998, 57% avg. Apples 8% very poor, 24% poor, 52% fair, 16% good; 10% harvest, 45% 1998. Peaches 20% very poor, 30% poor, 40% fair, 10% good. Cattle 3% very poor, 14% poor, 49% fair, 32% good, 2% excellent. Sheep 1% very poor, 15% poor, 40% fair, 40% good, 4% excellent.

WISCONSIN: Days suitable for fieldwork 6.3. Soil moisture 12% very short, 29% short, 58% adequate, 1% surplus. Corn silage harvest was one of the main activities last week for farmers. Dry conditions continued to push maturity ahead of normal, dried the crop down rapidly. It was reported that corn may be drying down too fast in southern areas for farmers to have enough time to harvest at an optimal moisture content. Silage harvest was one week ahead of the five-year-average, slightly behind last year's pace. Some corn for grain fields in Dane County were testing 20 to 25% moisture. Dry conditions continued last week for most of the State; pasture growth has slowed. Third, 4th crop hay were harvested last week, quality was good. Moisture is now needed for good winter stands. Amount of 4th cutting hay could be diminished by the lack of rainfall. Hay 83% 3rd crop harvested, 91% 1998, 69% avg.; 20% 4th crop harvested, 32% 1998. Soybeans were rapidly turning, shedding leaves with the dry weather. Harvest of soybeans could start as early as next week. Soybean 75% leaves turned, 87% 1998, 52% avg.; 25% dropping leaves, 33% 1998, 14% avg.; 2% poor, 12% fair, 54% good, 32% excellent. Apple crop was reported as maturing two to three weeks ahead of normal. The apples are of good size and quality, which local deer have discovered. Potato harvest was in full swing in Oneida County last week, tobacco harvest was nearing 50% completion in Rock County. Some fall tillage was also completed last week. Pasture feed 1% very poor, 5% poor, 33% fair, 50% good, 11% excellent.

WYOMING: Days suitable for fieldwork 6.5. Topsoil 1% very short, 27% short, 71% adequate, 1% surplus. Subsoil 2% very short, 44% short, 54% adequate. Temperatures were cooler than normal with mainly light precipitation over the State. Spring wheat 88% harvested, 92% 1998, 90% avg. Barley 88% harvested, 87% 1998, 91% avg. Oats 78% harvested, 87% 1998, 84% avg. Corn 94% dough, 96% 1998, 97% avg.;

67% dented, 79% 1998, 71% avg.; 13% mature, 17% 1998, 32% avg. Corn 35% harvested for silage, 23% 1998, 32% avg. Dry beans 72% windrowed, 68% 1998, 76% avg.; 25% combined, 28% 1998, 41% avg. Alfalfa 92% 2nd cutting, 89% 1998, 92% avg.; 19% 3rd cutting, 21% 1998, 32% avg. Winter wheat 57% planted, 60% 1998, 67% avg.; 33% emerged, 23% 1998, 28% avg. Range, pasture feed 4% poor, 33% fair, 54% good, 9% excellent. Cattle moved from summer pastures 15%, 19% 1998, 15% avg. Sheep moved from summer pastures 11%, 17% 1998, 15% avg. Stock water 3% short, 97% adequate.