

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 6.0. Topsoil moisture 31% very short, 37% short, 32% adequate, 0% surplus. Corn 97% mature, 100% 1998, 100% average. Corn 85% harvested, 99% 1998, 91% average. Cotton bolls 93% opening, 92% 1998, 86% average. Cotton 42% harvested, 47% 1998, 32% average. Soybeans blooming 96%, 100% 1998, 100% average. Soybeans setting 94% pods, 100% 1998, 100% average. Soybeans dropping 71% leaves, 78% 1998, 70% average. Wheat planted 5%, 10% 1998, 13% average. Soybean 52% very poor, 15% poor, 18% fair, 15% good, 0% excellent. Pasture feed 18% very poor, 33% poor, 29% fair, 19% good, 1% excellent. Livestock feed 10% very poor, 19% poor, 35% fair, 32% good, 4% excellent.

ARIZONA: Cotton harvest continues to progress throughout most of Areas with good harvesting conditions. Alfalfa harvest activity was reported as 30% not being harvested, 7% light, 24% moderate, 39% active. Alfalfa condition was reported as 5% poor, 26% fair, 58% good, 11% excellent. Range, Pasture feed remained in good to excellent condition last week despite the lack of rain. Central Areas producers shipped a light volume of cantaloupes, green onions, watermelons. Eastern Areas producers shipped apples, chile peppers, pumpkins. Central, Western citrus groves harvested lemons last week.

ARKANSAS: Days suitable for fieldwork: 6. Topsoil moisture 37% very short, 39% short, 23% adequate, 1% surplus. Temperatures were near normal with some areas of North Central Areas reporting freezing temperatures early in the week. The main story was the first statewide general rainfall in weeks. Most of the state was above normal for the week in rainfall. Livestock were reported in fair condition. Many farmers were feeding supplemental hay early this year because of the drought. The main farm activities were: Harvesting rice, sorghum, cotton, soybean, preparing land for planting of annual forages such as rye, ryegrass. Other activities included: Liming pastures, land leveling, planning for fall pastures, spraying fields for insects, weeds, defoliating cotton, continued pumpkin harvesting, wheat planting, treating crop lands for armyworms, fields were being subsoiled plowed, tree fruit, small fruit harvesting, dusting, ear tagging cattle for external parasites, planning for Brucellosis vaccinations, fall calving, giving vaccinations, pregnancy checking spring bred cows, selling cull cows, weaning calves. Corn 100% harvest, Cotton 98% opening bolls, 62% harvested, 1% very poor 10% poor 41% fair 35% good 13% excellent; Soybeans 100% setting pods, 61% shedding, 31% harvested, 11% very poor 19% poor 31% fair 30% good 9% excellent; Sorghum 100% mature, 99% harvested; Wheat 9% planted, 1% emerged; Alfalfa 4% very poor 21% poor 45% fair 30% good 0% excellent; Other Hay 27% very poor 33% poor 26% fair 14% good 0% excellent; Range, pastures feed 30% very poor 37% poor 24% fair 8% good 1% excellent.

CALIFORNIA: Field activities progressed normally under favorable conditions in most areas. Seedbed preparations for fall-seeded small grains, forage crops were ongoing. Planting of wheat, barley, winter forages, new alfalfa continued in central, southern counties. Rice harvest began to wind down in the Sacramento Valley, but remained in full swing in the northern San Joaquin Valley. Some rice fields still showed the blanketing that was attributed to cool temperatures during pollination. Defoliation of Upland cotton varieties gained momentum, harvest activity slowly increased. Some early fields of American Pima cotton received first defoliant applications. Corn harvest for grain, silage remained active in the San Joaquin Valley. The San Joaquin Valley seed alfalfa harvest

was virtually complete. Seed alfalfa stubble was burned, fields readied for winter forage planting. Dry beans, sugarbeets were harvested in the San Joaquin Valley, planting of new crop sugarbeets continued in the Imperial Valley. Grain sorghum was heading in Tulare County. New alfalfa, sugarbeets were treated for armyworms, cutworms. Sunflower harvest was virtually complete in the Sacramento Valley. Alfalfa, bermuda grass, sudangrass were cut for hay or greenchopped. The harvest of grapes for fresh use continued in the San Joaquin Valley. Varieties picked included Red Globe, Emperor, Thompson Seedless. Raisin grape activities were winding down. Approximately 2% remained on open trays, 18% were rolled, 80% picked up. Picking of wine grapes continued. Harvesting of the late variety stone fruits was active. Fig harvest continued. Apple, olive harvests were active. Asian pear, pomegranate harvests were also active in the San Joaquin Valley. The prune harvest was making progress. Harvesting of almonds, walnuts continued. Pistachio harvest was also active. Valencia oranges, lemons were picked in southern areas. New crop navel oranges were maturing well. A few fall crop strawberries were being picked, but volume was limited. Harvest of processing fresh market tomatoes continued, but was winding down. Worm, fungicide sprays were applied to some tomato fields. Aphid sprays were applied to asparagus fields. Pumpkins were harvested, prepared for sale at roadside stands, farmers' markets. Cantaloupe, honeydew melon harvests were winding down, but sugar levels remain good. Occasional fields of fall lettuce were thinned, treated to control worms. Fall-winter broccoli, radicchio and cauliflower continued normal growth. Several fields of broccoli were treated for loopers. Warm weather has extended harvest for most summer vegetables, but cool morning temperatures were slowing the growth. Sweet peas were nearing bloom stage. Carrots were being planted in the western part of the Tulare Lake bed area. Some of the many crops being harvested were peppers, squash, beans, gourds, eggplant, sweet corn, cucumbers, green beans, oyster mushrooms, sugar peas, radishes, zucchini, cherry tomatoes, onions, garlic. Higher elevation pastures were deteriorating rapidly. Remaining cattle were expected to be shipped in the coming weeks to market or to lower elevation pastures. Supplemental feeding of livestock on foothill pastures continued. Some ranchers in central areas were stockpiling hay for winter feeding. Dry conditions, above normal temperatures persisted in most areas. Fire danger remained high in central, northern areas, especially where dry range grass was more plentiful. Lambing, calving continued. Imperial Valley sheep were moving to sudangrass pastures, lambs continued to arrive for winter alfalfa grazing.

COLORADO: Days suitable for fieldwork 6.2. Topsoil moisture 2% very short, 17% short, 74% adequate, 7% surplus. Subsoil moisture 3% very short, 18% short, 72% adequate, 7% surplus. Indian summer weather prevailed during the week allowing good progress to be made in harvesting late season crops. Corn for grain harvest has slowed as producers wait for the crop the field dry. Spring wheat 98% harvested, 100% 1998, 97% avg. Corn silage 99% harvested, 97% 1998, 95% avg. Dry onions 86% harvested, 90% 1998, 94% avg. Sugar beets 15% harvested, 19% 1998, 14% avg.; 1% very poor, 4% poor, 9% fair, 64% good, 22% excellent. Dry beans 98% cut, 98% 1998, 93% avg.; 86% harvested, 94% 1998, 85% avg. Summer potatoes 98% harvested, 97% 1998, 94% avg. Fall potatoes 81% harvested, 86% 1998, 82% avg. Alfalfa 89% 3rd cutting, 93% 1998, 88% avg.; 34% 4th cutting, 36% 1998, 37% avg.; 8% poor, 17% fair, 59% good, 16% excellent. Pasture, range feed in mostly good condition.

DELAWARE: Days suitable for fieldwork 4.3. Topsoil moisture 91% adequate, 9% surplus. Subsoil moisture 4% short, 93% adequate, 3% surplus. Field corn 75% harvested for grain, 65% 1998, 59% avg.; 82% harvested for silage, 100% 1998, 94% avg. Soybeans 3% very poor, 19% poor, 29% fair, 46% good, 3% excellent; 60% turned, 75% 1998, 75% avg.; 38% shedding leaves, 49% 1998, 56% avg.; 7% harvested, 8% 1998, 8% avg. Sorghum 70% mature, 62% 1998, 61% avg.; 5% harvested, 20% 1998, 13% avg. Apples 83% harvested, 92% 1998, 87% avg. Clover, other hay 60% 4th cutting, 62% 1998, 53% avg. Alfalfa hay 85% 4th cutting, 90% 1998, 84% avg.; 26% 5th cutting, 13% 1998, 14% avg. Hay supplies 2% very short, 27% short, 71% adequate. Pasture 3% very poor, 12% poor, 38% fair, 47% good. Barley 4% poor, 3% fair, 93% good; 45% seeded, 25% 1998, 33% avg. Wheat 100% good; 12% seeded, 7% 1998, 7% avg. Activities: Continued corn, soybean harvesting.

FLORIDA: Scattered showers to heavy rainfall occurred over almost all areas October 3 through October 9. The Palmetto-Ruskin area received from one, one half to four inches. The southwest had from a trace to over four inches, while Dade County received over an inch of rain. Rainfall at the major stations varied from a third of an inch in Tallahassee to over six inches in Orlando. Temperatures averaged from normal to four degrees above normal at major stations. Daytime highs 80s. Nighttime lows 60s, 70s. Topsoil moisture throughout State mostly short to adequate with some areas very short or surplus. Tobacco marketing active. Soybean harvest gaining. Sugarcane mills start opening week of Oct. 11-17. Sugarcane condition normal. Haying active. Forage growth improving with increased moisture. Cotton harvest active. Eighty-six percent of peanuts harvested. Peanut very poor 4%, poor 8%, fair 60%, good 27%, 1% excellent. Frequent showers delayed some vegetable fieldwork, planting this past week. Harvesting underway for cucumbers, okra, peppers, squash, tomatoes, watermelons. Rain all citrus areas most of week, excessive moisture many low land groves. Some splitting in early fruit, some color break starting in early fruit. Packers testing fruit for early shipments. Navels, grapefruit, Ambersweet oranges, a few tangerines being shipped. Caretakers re-working roads that were washed out by rains, few sprays being applied due to daily rain. Pasture feed; 5% poor, 35% fair, 50% good, 10% excellent. Condition of cattle; 25% fair, 70% good, 5% excellent.

GEORGIA: Days suitable for field work 5.1. Soil moisture 7% very short, 25% short, 60% adequate, 8% surplus. Cotton 15% very poor, 25% poor, 35% fair, 22% good, 3% excellent. Hay 11% very poor, 26% poor, 40% fair, 22% good, 1% excellent. Peanuts 82% dug, 60% 1998, 78% avg. Rye 29% planted, 30% 1998, 30% avg. Sorghum 73% harvested for grain, 67% 1998, 61% avg. Soybeans 26% very poor, 22% poor, 34% fair, 17% good, 1% excellent. Other small grains 21% planted, 15% 1998, 17% avg. Apples 66% harvested, 72% 1998, 83% avg. Pecans 7% very poor, 15% poor, 31% fair, 40% good, 7% excellent; 3% harvested, 5% 1998, 4% avg. Widespread rains during the weekend were sufficient to increase soil moisture. The rains helped small grains, winter pastures. Soil moisture conditions continued to improve last week. Corn harvest was virtually complete. Soybean leaf drop continued, slightly behind 1998 pace. The crop condition changed slightly from the previous week. Harvest was ahead of 1998, the five year average pace. Sorghum harvest continued ahead of 1998 pace. Farmers continued harvesting peanut, cotton. Open, sunny weather is needed to finish both harvests. Cotton harvest continued ahead of the five year average pace with slightly changed condition. There were reports of whitefly infestations on some very late maturing cotton. Peanut digging continued ahead of the five year average pace. Small grain planting occurred last week. Rye planting was slightly behind 1998, the five year average pace. Other small grain planting was ahead of 1998, the five year average pace. Some wheat was planted last week with continued preparation for further wheat planting. Pasture feed condition improved last week. Hay cutting occurred last week as the condition improved. Apple harvest was behind 1998 pace. Pecan condition changed slightly from the previous week with limited harvesting activity. Squash was being picked. Some vegetables were being sprayed because of whitefly infestations. White fly infestations have been especially heavy in snapbeans. Other activities included: Baling peanut hay.

IDAHO: Days suitable for fieldwork 6.9. Topsoil 12% very short, 52% short, 36% adequate. Most areas have received no precipitation since early September. Dry conditions have speeded harvest. Irrigation supply

49% excellent, 44% good, 5% fair, 2% poor. Alfalfa hay 3rd cutting 97%, 1998 95%, avg. 92%. Dry beans 97% harvested, 90% 1998, 92% avg. Corn harvested 87% for silage, 76% 1998, 83% avg. Corn harvested 9% for grain, 10% 1998, 9% avg. Onions 88% harvested, 65% 1998, 85% avg. Apples 26% harvested, 32% 1998, 46% avg. Potatoes 62% harvested, 62% 1998, 62% avg. Sugarbeets 19% harvested, 20% 1998, 21% avg. Winter wheat 66% planted, 71% 1998, 65% avg.; 21% emerged, 31% 1998, 30% avg. Activities: Preparing seedbeds, planting fall grains, chopping corn silage, picking apples, harvesting potatoes, sugarbeets, other row crops.

ILLINOIS: Days suitable for fieldwork 5.1. Topsoil moisture 9% very short, 30% short, 59% adequate, 2% surplus. Harvest progressed steadily last week. Progress continues to vary across the state with farmers nearest completion in the southern portion of the state. Other activities for last week include: Hauling grain, spreading fertilizer, applying for LDP's.

INDIANA: Days suitable for fieldwork 5.3. Topsoil 33% very short, 34% short, 33% adequate, 0% surplus. Subsoil 48% very short, 40% short, 12% adequate, 0% surplus. Corn, soybean harvest made good progress. Corn harvest still 17 days ahead of average. Soybean harvest 6 days ahead of average. Harvested corn moisture averaging around 17%, soybeans 11% moisture content. Weekend showers slowed harvesting activities but helped pasture, dry soil conditions. Range, pasture feed 49% very poor, 31% poor, 17% fair, 3% good. Feeding hay continued. Tobacco harvest virtually complete. Activities: Applying fertilizer, seeding winter wheat, tillage of soils, chopping stalks, hauling grain, harvesting tobacco, stripping tobacco, feeding hay, caring for livestock.

IOWA: Days suitable for field work 6.1. Topsoil moisture: 17% very short, 40% short, 42% adequate, 1% surplus. Subsoil moisture: 16% very short, 42% short, 42% adequate, 0% surplus. Harvest is progressing rapidly due to ideal weather. There have been several fields lost to fires and some combine fires reported in the northwest, west central, central districts. In the northern districts, some of 1998 corn crop is being stored on the ground to make room for this year's grain. Corn 33% harvested, 29% 1998, 20% avg. Percent moisture of all field corn 20% averaged.; harvested corn 18% averaged. Corn lodging: 42% none, 44% light, 12% moderate, 2% heavy. Corn 50% ear droppage none, 39% light, 10% moderate, 1% heavy. Corn 1% very poor, 5% poor, 21% fair, 51% good, 22% excellent. Soybeans 67% harvested, 62% 1998, 58% avg. Soybean 52% lodging none, 39% light, 8% moderate, 1% heavy. Soybeans shattering 40% none, 41% light, 16% moderate, 3% heavy. Winter wheat 62% planted, 51% 1998, 59% avg. Range, pasture feed 9% very poor, 24% poor, 39% fair, 24% good, 4% excellent.

KANSAS: Days suitable for fieldwork 5.9. Topsoil moisture 6% very short, 24% short, 68% adequate, and 2% surplus. Subsoil moisture 5% very short, 23% short, 71% adequate, and 1% surplus. Fair weather last week enabled wheat seeding to progress rapidly. Scattered showers near the end of the week did slow seeding in some areas. However, wheat seeding remains ahead of normal progress for this time of year. Corn condition 5% poor, 28% fair, 57% good, and 10% excellent. Soybean condition 2% very poor, 15% poor, 46% fair, 34% good, and 3% excellent. Sorghum condition 1% very poor, 6% poor, 29% fair, 55% good, and 9% excellent. Wheat condition 3% poor, 22% fair, 61% good, and 14% excellent. Sunflower condition 3% poor, 17% fair, 67% good, and 13% excellent. Sunflowers mature 86%, 92% 1998, NA average. Sunflowers harvested 22%, 61% 1998, NA average. Hay, forage supplies 4% short, 87% adequate and 9% surplus. Stock water supplies 2% very short, 12% short, 84% adequate, 2% surplus. Ranchers were busy moving cattle from pastures to feedlots or crop residue. Other activities included fall calving, weaning, marketing calves, buying calves to place on wheat pasture.

KENTUCKY: Day suitable for fieldwork 5.0. Topsoil moisture 71% very short, 24% short, 5% adequate. Subsoil moisture 78% very short, 21% short, 1% adequate. For the week, temperatures averaged 61° near normal, 4° cooler than previous week. Widespread, heavy rainfall, the most since January, fell across the Commonwealth on Friday, Saturday. Rainfall Statewide was 2.42 inches. Late tobacco was being harvested last week. Condition of housed tobacco was 7% very poor, 18% poor, 39% fair, 30% good, 6% excellent. Burley not ready for stripping 59%,

ready for stripping 34%, stripped 7%. Wheat 17% seeded, 22% in 1998, 24% average. Pasture feed 51% very poor, 29% poor, 15% fair, 4% good, 1% excellent. Harvesting efforts diverted from corn toward soybeans. Farmers feeding hay to livestock, transporting water due to summer drought.

LOUISIANA: Days suitable for fieldwork 5.7. Soil moisture 15% very short, 39% short, 38% adequate, 8% surplus. Cotton harvest continued. Hay 95% final cutting, 85% 1998, 92% avg. Pecans 4% very poor, 11% poor, 34% fair, 46% good, 5% excellent; 7% harvested, 7% 1998, 4% avg. Soybeans 100% leaves turning, 98% 1998, 95% avg. Sugarcane 3% poor, 16% fair, 54% good, 27% excellent; 15% harvested, 3% 1998, 5% avg. Sugarcane grinding continued to get underway. Sweet potatoes 72% harvested, 58% 1998, 61% avg. Wheat 5% planted, 20% 1998, 13% avg.; 0% emerged, 9% 1998, 3% avg. Livestock 2% very poor, 9% poor, 35% fair, 46% good, 8% excellent. Vegetables 10% very poor, 15% poor, 42% fair, 29% good, 4% excellent.

MARYLAND: Days suitable for fieldwork 4.7. Subsoil moisture 10% very short, 9% short, 73% adequate, 8% surplus. Topsoil moisture 5% short, 79% adequate, 16% surplus. Corn 65% harvested for grain, 59% 1998, 52% avg.; 91% harvested for silage, 92% 1998, 90% avg. Soybeans 5% very poor, 13% poor, 34% fair, 39% good, 9% excellent; 76% turned, 88% 1998, 85% avg.; 52% shedding leaves, 75% 1998, 68% avg.; 12% harvested, 18% 1998, 14% avg. Sorghum 70% mature, 57% 1998, 78% avg.; 28% harvested, 29% 1998, 26% avg. Apples 49% harvested, 72% 1998, 67% avg. Clover, other hays 82% 4th cutting, 86% 1998, 67% avg. Alfalfa 70% 4th cutting, 90% 1998, 87% avg.; 21% 5th cutting, 33% 1998, 25% avg. Wheat 3% fair, 37% good, 60% excellent; 13% seeded, 17% 1998, 14% avg. Barley 2% fair, 85% good, 13% excellent; 41% seeded, 41% 1998, 49% avg. Rye 6% fair, 81% good, 13% excellent; 28% seeded, 24% 1998, 33% avg. Pasture feed 1% very poor, 12% poor, 21% fair, 58% good, 8% excellent. Hay supplies 13% very short, 51% short, 35% adequate, 1% surplus. Activities: Continued small grain seeding, corn, soybean harvesting.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 2% very short, 19% short, 74% adequate, 5% surplus; subsoil 9% very short, 46% short, 43% adequate, 2% surplus. Hay 3% very poor, 13% poor, 21% fair, 47% good, 16% excellent. Corn 2% very poor, 12% poor, 24% fair, 46% good, 16% excellent. Soybeans 1% very poor, 9% poor, 30% fair, 45% good, 15% excellent. Winter Wheat 1% very poor, 3% poor, 27% fair, 51% good, 18% excellent. Hay fourth cutting 72%, 51% 1998, 45% avg. Silage harvested 97%, 99% 1998, 84% avg. Crop conditions improved in past two weeks as rain has replenished soil moisture in crop fields across State. Temperatures remained cooler than normal for third straight week. Soybean harvest went into overdrive. Corn for grain harvest has been steady and progress ahead of normal. Corn silage harvest wrapping up as most farmers more occupied with soybean and corn for grain harvest. Dry bean harvest almost complete as only a few navy bean fields left to harvest. For those farmers who had a fourth cutting of hay, quality has been poor. Rain last week and the small amount received this week continued to help sugarbeet fields as most farmers preparing for harvest. Winter wheat planting continued and a quarter of crop has now emerged. Potato harvest continuing. Late season apple varieties being harvested. If weather cooperates, harvest will be complete in two weeks. Harvest has been completed for most vegetables.

MINNESOTA: Days suitable for fieldwork 5.2. Topsoil 1% very short, 12% short, 77% adequate, 10% surplus. Soybeans 97% mature, 99% 1998, 96% avg.; 12% moisture content, 12% 1998, 13% avg.; 28% stubble worked, 40% 1998, 28% avg. Corn 21% moisture content, 19% 1998, 24% avg.; 11% stubble worked, 14% 1998, 7% avg. Winter Wheat 97% seeded, 99% 1998, 99% avg. Dry beans 76% harvested, 96% 1998, 87% avg. Sugarbeets 81% harvested, 57% 1998, 43% avg. Sunflowers 26% harvested, 27% 1998, 34% avg. Potatoes 73% harvested, 86% 1998, 78% avg. Pasture feed 3% very poor, 11% poor, 27% fair, 49% good, 10% excellent. The weather started out cool, but became warmer, drier as the week progressed, providing a boost to harvesting, fall tillage, other field activities. Precipitation was generally light, but even some light rains were enough to halt activities again on saturated soils in the areas

of the Northwest, North Central Districts which were most affected by excess rainfall this growing season. These areas experienced prevented plantings on many acres, prevented harvesting of forages, difficulty preparing fallow fields for next year's crops. Over half the sugarbeet crop was harvested in a single week, as growers capitalized on near-ideal harvest conditions in the main growing areas.

MISSISSIPPI: Days suitable for fieldwork 5.5. Soil moisture 20% very short, 32% short, 41% adequate, 7% surplus. Cotton 68% harvested, 76% 1998, 56% avg. Rice 94% harvested, 96% 1998, 94% avg. Soybeans 98% shedding leaves, 96% 1998, 84% avg.; 68% harvested, 71% 1998, 52% avg. Sweet potatoes 60% harvested, 49% 1998, 62% avg.; 1% very poor, 10% poor, 42% fair, 46% good, 1% excellent. Wheat 17% planted, 33% 1998, 22% avg.; 7% emerged, 13% 1998, 5% avg. Hay (warm-season) 97% harvested, 100% 1998, 100% avg. Cattle 3% very poor, 12% poor, 38% fair, 43% good, 4% excellent. Pasture 21% very poor, 24% poor, 34% fair, 19% good, 2% excellent. Many parts of the state received rain, delaying harvest in some parts of the state.

MISSOURI: Days suitable for fieldwork 5.5. Topsoil moisture supply continued to improve to 20% very short, 36% short, 40% adequate, 4% surplus. Only north-central, northeast, west-central districts show moisture ratings of over 50% adequate. Several days of sunny weather kept harvesting of row crops well ahead of normal. Harvesting of corn is 69% complete, about a week ahead of the same date 1998, two weeks ahead of the normal of 51%. Corn harvest ranges from virtually complete in the southern 3rd of the State to 56% or less complete in the northwest, northeast districts. Eighty-nine percent of the soybeans are dropping leaves or beyond, 73% have reached maturity. The maturing process is similar to 1998, but about 4 days ahead of both 1998 year, the 5-year average of 28%. Thirty-six percent of the crop is harvested, slightly ahead of 1998, 4 days ahead of the 5-year average. Ninety-one percent of the sorghum crop was mature, about 2 days behind 1998, but a week ahead of the 47% normal for this date. Fifty-eight percent of the crop is harvested, 2 days ahead of 1998, about a week ahead of normal. Harvesting progress varies from about one-third complete in the northern half of the State to 95% harvested in the Bootheel. Eighty-two percent of the cotton was harvested, almost 3 weeks ahead of both 1998, the 5-year average. The rapid cotton harvest equals 1987 as the earliest in the past 20 years. Winter wheat seeding is 26% complete, 4 days ahead of a year ago, but close to normal for this date. Seven percent of the crop has emerged, a few days behind the normal of 10%. Although many areas are still short of moisture, the recent rains have been beneficial to new seedings. Pasture, range condition was rated at 35% very poor, 33% poor, 25% fair, 6% good, 1% excellent. Pastures in the southern part of the State have the lowest ratings, with over 95% in very poor to poor condition. Supplemental hay feeding is common in much of the State due to limited pasture growth. Some producers are still concerned with low stock water supplies. Precipitation for week ending October 10, 1999 avg. 0.89 inch.

MONTANA: There were 6.4 days suitable for fieldwork. The week was slightly warmer, much drier across much of the state. The only exception to this was in the Northwest part of the state where much needed moisture was received. Topsoil moisture 15% very short, 47% short, 37% adequate, 1% surplus. Subsoil moisture 17% very short, 45% short, 37% adequate, 1% surplus. Barley 98% harvested, 100% 1998, 99% avg. Spring wheat 97% harvested, 100% 1998, 99% avg. Sugar beets 51% harvested, 29% 1998, 33% avg. Sugar beet harvest is reported to be going smoothly with no problems. Yields are reported to be above normal with good sugar content. Oats harvested 99%, 100% 1998, 99% avg. Corn for silage harvested 95%, 96% 1998, 94% avg. Potatoes 70% harvested, 47% 1998, 48% avg. Dry beans 95% harvested, 98% 1998, 98% avg. Cattle, calves moved from summer ranges 62%, 54% 1998, 45% avg. Sheep, lambs moved from summer ranges 63%, 63% 1998, 52% avg. Late harvest of small grains in the north central, central, northeast parts of the state was almost completed last week as only a few fields remain to be cut. However, there are reports of frost damage occurring to those remaining fields. The extent of the damage has not yet been determined and won't be until producers are able to cut their crops.

NEBRASKA: Days suitable for field activities 6.9. Temperatures were near normals across areas. Precipitation across the State averaged from traces to twenty-two hundredths in the Southwest District. Topsoil

moisture rated 21% very short, 40% short, 38% adequate, 1% surplus. Subsoil moisture 12% very short, 35% short, 53% adequate. Corn condition rated 2% very poor, 6% poor, 24% fair, 47% good, 21% excellent. Corn mature 96% rated, behind 100% 1998, but same as average. Corn harvest was at 32%, below 42% 1998, but above 23% average. Soybean condition rated 8% very poor, 10% poor, 26% fair, 45% good, 11% excellent. Soybean harvest jumped to 64%, ahead of 50% 1998, 49% average. Sorghum mature was at 87%, behind 97% 1998, 92% average. Harvest was 21% complete, near 20% 1998, 22% average. Sorghum condition rated 5% poor, 34% fair, 54% good, 7% excellent. Dry beans harvest moved ahead to 97%, just ahead of 91% 1998, 92% average. Alfalfa condition rated 2% very poor, 6% poor, 41% fair, 45% good, 6% excellent. Alfalfa 4th cutting was at 91% complete, ahead of 82% 1998, 79% average. Wheat seeded rated 97%, ahead of 94% 1998, 95% average. Wheat was 79% emerged, above 77% 1998 average. Proso Millet harvest was near complete at 79%. Pasture, range conditions rated 4% very poor, 16% poor, 34% fair, 38% good, 8% excellent. Producer activities included: Harvesting of crops, building electric fences, shredding corn stalks, discing.

NEVADA: Temperatures cooled early in the week as rain storm passed across the State. Precipitation totaled .17 inch in Reno, but lesser amounts were recorded in the east. Warmer weather returned following the storm, temperatures averaged well above normal the latter half of the week. The 3rd cutting of alfalfa was complete, 4th cutting continued. Harvest activities continued to wind down. Some corn chopping continued in Churchill County. Digging of potatoes progressed in Humboldt County. Alfalfa seed harvest was well along. Fall planting of winter wheat, winter barley, new alfalfa fields continued. Rains improved winter range conditions. Rehabilitation efforts on range lost to wild fires were underway. Cattle were being gathered for weaning, pregnancy checks, moved to winter range. Main farm and ranch activities: Irrigation, planting, harvest of 4th cutting of alfalfa, working livestock, harvest of potatoes.

NEW ENGLAND: Days suitable for fieldwork 5.6. Topsoil 2% very short, 4% short, 88% adequate, 6% surplus. Subsoil 3% very short, 17% short, 79% adequate, 1% surplus. Pasture feed 2% very poor, 4% poor, 23% fair, 69% good, 2% excellent. Maine potatoes 85% harvested, 90% 1998, 85% average.; condition excellent to good. Massachusetts potatoes 85% harvested, 85% 1998, 90% average.; condition good to fair. Rhode Island potatoes 90% harvested, 90% 1998, 85% average.; condition fair to poor. Oats in Maine 99% harvested, 99% 1998, 95% average.; condition good to excellent. Field corn 90% harvested, 80% 1998, 75% average.; condition good to fair. Sweet corn 99% harvested, 99% 1998, 99% average.; condition good to fair. Second cut hay 95% harvested, 95% 1998, 95% average.; condition good to fair. Third cut hay 90% harvested, 70% 1998, 80% average.; condition fair. Apples 80% harvested, 80% 1998, 80% average.; size average to below average, condition good. Peaches 100% harvested, 100% 1998, 100% average.; size average to below average, condition fair. Pears 65% harvested, 90% 1998, 90% average.; size below average, condition fair to poor. Cranberries 55% harvested, 50% 1998, 55% average, size average, condition good to excellent. Major farm activities included: Harvesting potatoes, field corn, final cutting of hay, picking apples, pears, clean fields, spreading manure, plowing harvested fields.

NEW JERSEY: Days suitable for fieldwork averaged six days. Temperatures averaged below normal. Extremes were 75 at several locations on the 10th, 26° at Charlotteburg on the 8th. Weekly rainfall averaged 1.29 inches North, 1.32 inches Central, 0.92 inches South. The heaviest 24 hour total was 1.17 inches at Long Branch on the 4th to the 5th. Estimated soil moisture, in percent of field capacity, this past week averaged 99% North, 95% Central, 77% South. Four inch soil temperatures averaged 59° North, 60° Central, 62° South. Irrigation water supply is adequate in most areas. Planting of small grains, cover crops continued across the state. Harvest of grain corn is underway with below average yields reported. Corn silage is being harvested in the northern counties, low yields, poor quality have been reported. Several silage fields will not be harvested due to the high levels of nitrates in the plant stalks. Early planted soybeans are in poor condition while the late planted crop is in fair condition. Several soybean fields are ready for harvest in South Areas. Most hay farmers are working on their 3rd cutting. The alfalfa, other hay is between good, fair condition. Harvest of tomatoes, cucumbers, snap beans is near completion in most areas of

the state. Some frost damage was reported in the remaining tomato, pepper fields. Some disease has been reported in pepper fields. Harvest of fall cabbage, lettuce, spinach is in full swing, their condition is between good, fair in most areas. The production of several vegetables has been reduced by excess moisture related problems such as diseases, insects. Pumpkin harvest is picking up rapidly. Sweet potato harvest is underway, the overall quality is good, although some farmers have reported smaller than usual sizes. Harvest of peaches is virtually finished. Harvest of apples is in full swing, good quality has been reported. Harvest of cranberries is also underway. Frost control measures to protect cranberries had to be implemented in some areas.

NEW MEXICO: Days suitable for field work averaged 6.7 days. Most of the areas experienced a warm, dry week. The only precipitation was associated with a storm system that brushed the north, northeast on Thursday. Clayton picked up 2.28 inches of rain, Red River, Raton collected at least half an inch of rain. Temperatures for the week were above normal just about everywhere, with a statewide average 4° above normal. Farmers continued the fall harvesting of crops, while ranchers were busy moving and shipping cattle. Most alfalfa farmers were nearing completion of harvest for the year. Green chile harvest was winding down as red chile harvest increased. Corn silage harvest was nearly complete. Sorghum, wheat conditions remained in fair to good condition. Pasture, Range feed conditions were reported at 1% very poor, 5% poor, 30% fair, 54% good, 10% excellent. Cattle, sheep conditions remained in mostly fair to good condition.

NEW YORK: Days suitable: 5.0. Soil moisture 18% short, 74% adequate, 8% surplus. Pasture condition good, rainfall beneficial. Hay condition 71% good, 29% excellent. Alfalfa 3rd cutting 99% finished, 91% 1998, 93% average. Corn condition 30% fair, 50% good, 20% excellent. Silage corn 93% harvested, 84% 1998, 73% average. Potato harvest continued. Grape harvest in Lake Erie region 75% complete. Frost damaged some grapes still on vines. Lake Ontario apples 80% picked. Harvest of Macintosh, Red Delicious, Empire apples complete. Golden Delicious, Rome harvest underway. Killing frost ended growing season for most vegetable crops. Pumpkin harvest in full swing.

NORTH CAROLINA: Statewide, 4.7 days were suitable for fieldwork compared to 3.3 last week. North Areas had a mild week with typical temperatures, only limited rainfall. Many extremely dry areas in the west received good rainfall, but the majority of the Mountain region soil moisture continues to be rated short. Across the State, soil showed signs of drying out as moisture levels are rated 1% very short, 14% short, 50% adequate, 35% surplus. Harvesting of cotton, soybeans are gearing up with both crops behind schedule. Peanut threshing is accelerating but running a couple of weeks behind the five-year average. As areas continue to dry out, harvest activities will become intense. Other activities during the week included: Hurricane clean-up, tobacco harvesting, marketing, harvesting of sweetpotatoes, corn for grain, silage harvest, apple harvesting, baling hay, small grain planting.

NORTH DAKOTA: Days suitable for fieldwork 7. Another week of mostly dry weather allowed producers to nearly complete the small grain harvest, make good progress on the late season crop harvest. Head rot continues to be a major problem in sunflowers by lowering yields. Topsoil 1% very short, 17% short, 76% adequate, 6% surplus. Subsoil 1% very short, 13% short, 76% adequate, 10% surplus. Durum wheat 90% combined, 100% 1998, 98% avg. Canola 98% combined, 100% 1998. Corn for grain 96% ripe, 100% 1998, 96% avg.; 10% harvested, 44% 1998, 22% avg. Corn for silage 88% chopped, 96% 1998, 90% avg. Dry edible beans 93% cut, 100% 1998, 97% avg.; 84% combined, 100% 1998, 89% avg. Flaxseed 87% combined, 100% 1998, 90% avg. Potatoes 91% dug, 91% 1998, 88% avg. Soybeans 46% harvested, 77% 1998, 67% avg. Sugarbeets 88% lifted, 60% 1998, 44% avg. Sunflowers 93% bracts turned brown, 99% 1998, 96% avg.; 6% harvested, 26% 1998, 21% avg. Condition ratings for row crops were virtually unchanged from last week. Emerged crop condition: corn for grain 2% very poor, 5% poor, 20% fair, 62% good, 11% excellent; soybeans 3% very poor, 8% poor, 25% fair, 53% good, 11% excellent; sugarbeets 1% very poor, 3% poor, 11% fair, 58% good, 27% excellent; sunflower 1% very poor, 9% poor, 26% fair, 52% good, 12% excellent. Ranchers were busy weaning calves, hauling hay in preparation for winter. Stockwater supplies rated 0% very short, 1% short, 94% adequate, 5% surplus.

OHIO: Days suitable for fieldwork 5.9. Topsoil moisture 24% very short, 44% short, 31% adequate, 1% surplus. Soybeans 74% harvested, 68% 1998, 47% avg. Alfalfa hay 4th cutting 95%. Corn mature 99%, 95% 1998, 75% avg. Corn harvested for silage, 93%, 79% 1998, 73% avg. Corn harvested for grain 42%, 21% 1998, 13% avg. Winter wheat 62% planted, 60% 1998, 47% avg. Winter wheat 10% emerged, 17% 1998, 12% avg. Fall, winter apples 71% harvested, 74% 1998, 60% avg. Grapes 80% harvested, 83% 1998. Tobacco 95% harvested, 99% 1998. Tobacco 4% stripped, 5% 1998. Pasture 22% very poor, 33% poor, 32% fair, 12% good, 1% excellent.

Activities for the week include: Harvesting corn, soybeans, planting wheat, fall tillage, hauling grain, baling hay, picking pumpkins, zucchini, winter squash, tomatoes, controlling weeds, spreading lime, developing new water systems, chopping silage, shelling corn, repairing machinery, cutting tobacco. Frost was reported in Geauga, Lake, Medina, Portage, Wayne counties. 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 cucumbers, soybeans, corn. Reported diseases include sudden death syndrome, white mold in soybeans, gray leaf spot, sun dust syndrome, fungus on corn, brown stem rot, Stewart's wilt in corn; fusarium belly rot, mildew on pumpkins. Fruit, vegetable growers are busy harvesting fall crops such as pumpkins, squash, apples, Indian corn, sweet corn, peppers. In Harrison county, one reporter mentioned that apples are abundant but smaller than normal. A good crop of pumpkins was reported in Columbiana county. Poor pasture conditions still prevail, although rain has helped certain parts of the state. Pastures are greening but they need rain to start regrowth for next year. Livestock is reported in mostly good condition. Cows, hogs are thinner than usual; hay is being fed as a supplement by some producers.

OKLAHOMA: Days suitable for fieldwork 6.1. Subsoil moisture 8% very short, 38% short, 54% adequate. Topsoil moisture 9% very short, 35% short, 56% adequate. Dry weather prevailed over most of state. Topsoil, subsoil moisture supplies dwindle for third straight week. Oats 31% planted, 50% 1998, 41% avg.; 7% up-to-stand, 12% 1998, 9% avg.; Corn 93% harvested, 96% 1998, 84% avg.; Soybeans 1% very poor, 7% poor, 42% fair, 50% good; 76% mature, 85% 1998, 75% avg.; 42% harvested, 47% 1998, 34% avg. Peanuts 59% mature, 82% 1998, 70% avg.; 14% combined, 13% 1998, 12% avg. Alfalfa Hay 2% very poor, 7% poor, 31% fair, 57% good, 3% excellent; 88% 4th cutting, 73% 1998, 88% avg.; 20% 5th cutting, 13% 1998, 31% avg. Other Hay 74% 2nd cutting, 33% 1998, 80% avg. Livestock 3% poor, 26% fair, 67% good, 4% excellent. Feeder steer prices just less than \$80 per cwt.

OREGON: Days suitable for fieldwork 7. Topsoil 56% short, 30% short, 14% adequate. Subsoil 60% very short, 25% short, 15% adequate. Barley Planted 21%, 13% 1998, 18% average. Winter Wheat 5% planted, 51% 1998, 50% average. Winter Wheat 1% emerged, 31% 1998, 22% average. Range, pasture 11% very poor, 40% poor, 21% fair, 28% good. Activities: Most areas of state busy seeding grains, grass seed & majority of Counties reported barley harvest complete. Rain in North Willamette Valley during week improved tillage conditions, settled some of surface dust; fields still dry, however. Further south in Willamette Valley, fields without irrigation quite dry. In Eastern Areas planting continued to be slow as fields still very dry. High winds, frost caused some damage to recently seeded crops. Sugarbeet harvest underway in Malheur, Union Counties. Irrigation still required at nurseries because of the dry, summer-type weather. Greenhouses busy with fall plants, Christmas poinsettias. On southern areas coast Easter Lily growers digging commercial bulbs, processing bulb materials, sow cover crops in between showers. Onion, potato harvest mostly complete all across state. Some late potatoes in Malheur County were still being harvested for storage. Processed carrot harvest started in Umatilla County, should continue until November. Cole, salad crop harvest continued in North Willamette Valley area. Onions at the sorting sheds, potatoes being processed, delivered to retail stores. Sweet corn mostly finished, pumpkin harvest in full swing, moving to market. Jackson County reported a light frost on Oct. 4th slightly frosted vine crops, tomatoes. In Willamette Valley, berry harvest ending, hazelnut sweeping, pickup underway. The recent rainfall helped settle the dust for hazelnut harvest. Apple harvest continued. In Rogue River, pear harvest continued, grape harvest had started. On south coast cranberry harvest began. In Hood River Valley, pear, apple harvest

continued. Livestock mostly good, some poor to fair on driest ranges, pastures. Most range operations in east have gathered their livestock. Weaning of calves began in Harney County. Recent light rains not sufficient to restart grass growth in most parts of state. Only irrigated pastures, some higher ranges that haven't frosted have significant forage available.

PENNSYLVANIA: Days suitable for field work 5.0. Soil moisture 7% very short, 23% short, 64% adequate, 6% surplus. Ensilage corn 91% harvested, complete, 83% 1998, 76% avg. Soybeans harvested 8% complete, 11% 1998, 10% avg. Soybean crop condition 15% very poor, 27% poor, 33% fair, 19% good, 6% excellent. Potato harvest 79% complete, 72% 1998, 72% avg. Fall plowing 63% complete, 61% 1998, 63% avg. Wheat planted 38% complete, 28% 1998, 48% avg. Wheat emerged 29% complete, 16% 1998, average not available. Barley planted 69% complete, 66% 1998, 70% avg. Barley emerged 46% complete, 26% 1998, average not available. Alfalfa 3rd cutting 94% complete, 95% 1998, 92% avg. Alfalfa 4th cutting 70% complete, 66% 1998, 60% avg. Timothy clover 2nd cutting 94% complete, 97% 1998, 99% avg. Quality of hay made 7% very poor, 10% poor, 37% fair, 31% good, 15% excellent. Grape harvest 70% complete, 59% 1998, 61% avg. Apple harvest 57% complete, 68% 1998, 68% avg. Activities include: Harvesting corn, soybeans, fruits, vegetables, potatoes, corn silage, tobacco, planting barley, wheat, cover crops, machinery maintenance, filling silos, fixing fences,; hauling, pumping, spreading manure, spreading lime, caring for livestock, cutting hay, plowing for the fall.

SOUTH CAROLINA: Days suitable for fieldwork 5.7. Soil moisture 3% very short, 18% short, 68% adequate, 11% surplus. Apples 68% harvested, 83% 1998, 80% avg.; 28% poor, 63% fair, 9% good. Corn 100% harvested, 100% 1998, 97% avg. Livestock Condition 7% poor, 33% fair, 48% good, 12% excellent. Grapes 30% poor, 50% fair, 20% good. Pasture feed 5% very poor, 18% poor, 45% fair, 31% good, 1% excellent. Sorghum 85% matured, 81% 1998, NA avg.; 60% harvested, 55% 1998, 61% avg.; 13% very poor, 20% poor, 53% fair, 14% good. Sweet Potatoes 30% harvested, 53% 1998, 38% avg.; 11% very poor, 17% poor, 67% fair, 5% good. Tobacco 92% stalks destroyed, 93% 1998, 89% avg. Winter Grazings 45% planted, 48% 1998, 44% avg.; 31% emerged, 31% 1998, 28% avg.; 2% poor, 54% fair, 41% good, 3% excellent. Winter Wheat 10% planted, 18% 1998, 11% avg.; 6% emerged, 8% 1998, 4% avg. Barley 22% planted, 16% 1998, 14% avg.; 12% emerged, 8% 1998, 10% avg. Oats 20% planted, 13% 1998, 20% avg.; 2% emerged, 5% 1998, 12% avg. Rye 26% planted, 28% 1998, 28% avg.; 18% emerged, 16% 1998, 16% avg.; 3% poor, 40% fair, 48% good, 9% excellent.

SOUTH DAKOTA: Days suitable for fieldwork, 5.2. Topsoil moisture 2% very short, 21% short, 68% adequate, 9% surplus. Subsoil moisture 2% very short, 14% short, 71% adequate, 13% surplus. Alfalfa is 1% poor, 17% fair, 67% good, 15% excellent; 3rd cutting complete 88%, 99% 1998, avg. unavailable. Sorghum is 32% fair, 61% good, 7% excellent; harvested for silage 74%, 88% 1998, 77% avg. Soybean 1% very poor, 4% poor, 18% fair, 60% good, 17% excellent; mature 88%, 99% 1998, 92% avg. Corn 3% poor, 17% fair, 57% good, 23% excellent; harvested for silage 95%, 97% 1998, 90% avg. Sunflower 2% poor, 21% fair, 60% good, 17% excellent; ray flowers dry 99%, 100% 1998, 100% avg.; bracts yellow 95%, 98% 1998, 99% avg.; mature 73%, 97% 1998, 92% avg.; harvested 16%, 48% 1998, 30% avg. Winter rye seeded 91%, 95% 1998, 94% avg.; emerged 70%, 72% 1998, 82% avg. Stock water supplies 6% short, 83% adequate, 11% surplus. Cattle feed 7% fair, 68% good, 25% excellent. Sheep condition is 7% fair, 62% good, 31% excellent.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil moisture 52% very short, 27% short, 21% adequate. Subsoil moisture 63% very short, 28% short, 9% adequate. Burley 17% stripped, 23% 1998, 18% avg. Pasture 55% very poor, 29% poor, 14% fair, 2% good. Winter wheat 9% seeded, 16% 1998, 20% avg. Most parts of Areas received significant rainfall amounts this past weekend, the first for some areas in several months. Rainfall totals for the week were actually above normal, with totals ranging from 1.35 inches in Memphis to 3.57 inches in Chattanooga. Even though the rain came too late for most of the State's major row crops, newly seeded winter wheat fields, pastures will benefit from the moisture. Several areas reported scattered light frost. Farmers

will be busy this upcoming week sowing winter wheat, overseeding pastures, both of which had fallen behind schedule due to the dry conditions. Beef producers continued feeding hay, hauling water, moving animals to market due to poor pasture feeds.

TEXAS: Temperatures were generally warm, mild over the state while little moisture fell. Windy conditions occurred in some locations, slight frost damage became evident in scattered areas of the Plains. Harvest remained active, land preparation remained slow in most locations due to continued dry conditions. Livestock conditions continued to decline as available pasture forage began to enter the dormant season. Supplemental feeding continued to increase. Water available for livestock continued to decline, low pond levels became a widening concern. Some herd reduction continued, markets weakened slightly.

Field Crops: Small Grains: Seeding of wheat, oats slowed as a result of continued dry conditions. Irrigation continued where possible. Oats, Published 42%, 1998 57%, Average 42%. Corn: Harvest continued on the High Plains, but neared completion. Markets continued to be weak. Cotton: Harvest continued to expand on the High Plains but cooler temperatures slowed development of later cotton. Dry land fields continued to mature but limited shredding of late cotton occurred where yield prospects were poor. Harvest was mostly complete in the Coastal Bend where gins are expected to remain open through October. Harvest continued in the Blacklands and Central Areas but was beginning to wind down. Cotton stalk destruction continued in South Areas. Statewide cotton condition was rated at 60% of normal compared with 48% 1998. Peanuts: Harvest activities were active in the Plains, Central, South Areas. Some plowing, baling continued in Central Areas as a result of the continued dry conditions. Statewide peanut condition was rated at 82% of normal compared with 54% 1998. Rice: Flooding for the second crop was completed, the crop was progressing. Harvest of the second crop began. Sorghum: Harvest was active on the High Plains under generally mild open conditions. Yields were favorable. Turning Color, Published, 97%, 1998 100%, Average, 99%. Soybeans: Early harvest began in some locations on the High Plains where yields was expected to be average. Published 78%, 1998 93%, Average 70%.

Commercial Vegetables, Fruit and Pecans:

Rio Grande Valley, Peppers, tomatoes continued with good progress. Planting continued for carrots, cabbage, onions. San Antonio-Winter Garden, Cabbage, onion planting continued, preparation for other fall vegetables was in full swing. East Areas Planting of fall crops, gardens continued but slowed as dry weather continued. High Plains, pumpkin harvest continued with a good yield reported. Pecans: The Pecan crop continued to mature, however stress from lack of moisture was becoming more evident. Shuck split was occurring, harvest began in a few locations. Published 6%, 1998 0%, Average 2%.

Range and Livestock: Livestock water continued to decline, pond pollution from low water levels increased. Most pastures were rated as short to very short as the fall dormant period begun. Supplemental feeding, culling of herds continued. The burn bans remained in effect in most locations.

UTAH: Days suitable for field work 7. Top soil moisture 13% very short, 22% short, 64% adequate, 1% surplus. Subsoil moisture 11% very short, 23% short, 66% adequate. Pasture, range condition 2% very poor, 11% poor, 33% fair, 48% good, 6% excellent. Corn: in dent stage 87%, 88% 1998, 63% avg.; mature 64%, 68% 1998, 63% avg.; harvested for grain 5%, 8% 1998, 17% avg. Corn silage harvested 88%, 73% 1998, 77% avg. Winter wheat planted 82%, 94% 1998, 86% avg.; 44% emerged, 61% 1998, 53% avg. Alfalfa hay 4th cutting 67%, 73% 1998, 62% avg. Alfalfa seed 44% harvested, 87% 1998, 67% avg. Peaches 100% picked, 99% 1998, 100% avg. Apples 77% picked, 37% 1998, 52% avg. Potatoes 62% harvested, 69% 1998, 57% avg. Onions 79% harvested, 69% 1998, 76% avg. Dry beans 90% harvested, 100% 1998, 97% avg. Cattle moved from summer range 58%, 62% 1998, 64% avg. Sheep moved from summer range 67%, 66% 1998, 68% avg. Major activities included: Harvesting fourth crop hay, corn silage, moving livestock to winter ranges, planting winter grain.

VIRGINIA: Days suitable for fieldwork 5.2. Topsoil moisture 5% very short, 8% short, 72% adequate, 15% surplus. Subsoil moisture 12% very short, 17% short, 65% adequate, 6% surplus. Pastures 6% very poor, 17% poor, 27% fair, 38% good, 12% excellent. Livestock 5% poor, 27% fair, 58% good, 10% excellent. Corn for Grain 92% mature, 100% 1998, 97% avg.; 60% harvested, 73% 1998, 61% avg. Soybeans 51% dropping leaves, 57% 1998, 54% avg.; 2% harvested, 9% 1998, 8% avg.; 5% very

poor, 14% poor, 31% fair, 40% good, 10% excellent. Winter Wheat 6% seeded, 12% 1998, 11% avg. Barley 25% seeded, 18% 1998, 27% avg. Tobacco, Flue Cured 89% harvested, 87% 1998, 91% avg. Peanuts 49% dug, 55% 1998, 65% avg.; 25% combined, 36% 1998, 44% avg.; 2% very poor, 4% poor, 34% fair, 53% good, 7% excellent. Cotton 87% bolls opening, 100% 1998, 83% avg; 6% harvested, 49% 1998, 22% avg.; 3% very poor, 8% poor, 41% fair, 44% good, 4% excellent. Apples, All 2% very poor, 12% poor, 34% fair, 42% good, 10% excellent. Apples, Fall 65% harvested, 58% 1998, 65% avg. Apples, Winter 35% harvested, 27% 1998, 34% avg. Cooler temperatures, scattered rainfall continued across much of the Commonwealth this past week. Field work was possible in many areas previously saturated or completely flooded by Hurricane Floyd. Pasture feed continued to improve. Some producers, particularly in central Areas, have reported the best fall grazing season, stockpiling of cool season grasses in several years. Producers in the western part of the Commonwealth where rain was less plentiful have not been as fortunate. Many alfalfa, pasture acres in the southeastern portion of Areas were flooded by the hurricane and will have to be reestablished. Hay producers continue to cut, bale their crop. Curing is slow in some areas due to cooler temperatures. Corn producers made little progress in harvesting their crop this past week with harvest lagging well behind 1998 but only slightly behind the five-year average. Lodging of stalks combined with wet field conditions has slowed progress. Soybean harvest began this past week slightly behind schedule. Some acres damaged by the hurricane have been cut for hay or plowed under. Producers are preparing land, seeding wheat, barley for grain. Rye is currently being planted mostly as a cover crop or for grazing. Peanut acreage remains in mostly fair to good condition. Producers made great progress during the past week in digging and combining their crop. Cotton condition improved slightly. Bolls have been opening slower than 1998 but at a normal rate when compared to the five-year average. Producers continue to defoliate using aircraft due to wet field conditions. Harvest of cotton acreage is well behind the five-year average. Many producers which grow both peanuts, cotton have been forced to concentrate on peanut harvest. Harvest of apples, vegetables continues.

WASHINGTON: Days suitable for fieldwork 5.70. Topsoil moisture was 22% very short, 41% short, 37% adequate, subsoil moisture 21% very short, 54% short, 25% adequate. Winter wheat 84% planted, 88% 1998, 85% avg.; 63% emerged, 74% 1998, 67% avg. Planting for winter wheat continued, but dry conditions continued to prevail. Early seedings in western Whitman Co. on summer fallow and/or with deep furrow drills look good, are emerging well. Potatoes 85% harvested, 68% 1998, 68% avg. Potatoes 10% fair, 40% good, 50% excellent. Hay, other roughage supplies were 6% short, 69% adequate, 25% surplus. Range pasture, 16% very poor, 35% poor, 33% fair, 14% good, 2% excellent. Potato harvest progressed ahead of both 1998, the five-year average. Sugar beet harvest progressed. Buckwheat was being swathed. Sweet corn, carrot and pumpkin harvests continued. Apple harvest was in full swing, but occasionally slowed by labor shortages. Grape harvest continued with wineries reporting excellent quality. Alfalfa producers were starting 4th and some 5th cuttings.

WEST VIRGINIA: west virginia: Days suitable for fieldwork 4.4. Rainfall across the State brought relief to topsoil moisture supplies, improved crop, pasture conditions. Topsoil moisture 15% very short, 41% short, 43% adequate, 1% surplus. Hay condition 18% very poor, 38% poor, 36% fair, 8% good; Hay 2nd cut 92%; 3rd cut 59%, 83% 1998, 80% 5-yr avg. Corn condition 12% very poor, 26% poor, 36% fair, 23% good, 3% excellent; Corn dent 97%, 86% 1998; Corn mature 77%, 77% 1998, 86% 5-yr avg; Corn harvested 33%, 35% 1998, 42% 5-yr avg. Soybeans condition 7% very poor, 13% poor, 35% fair, 45% good; Dropping leaves 89%, 92% 1998, 93% 5-yr avg; Harvested 16%, 34% 1998, 14% 5-yr avg. Tobacco harvested 92%, 99% 1998, 99% 5-yr avg. Apples harvest 60%, 82% 1998. Wheat 16% planted, 38% 1998, 39% 5-yr avg. Wheat 5% emerged, 5% 1998. Cattle 3% very poor, 10% poor, 45% fair, 40% good, 2% excellent. Sheep 1% very poor, 5% poor, 66% fair, 25% good, 3% excellent.

WISCONSIN: Days suitable for fieldwork: 5.4. Soil Moisture 6% very short, 23% short, 70% adequate, 1% surplus. Areas farmers were busy harvesting corn, soybeans last week. Killing frosts were more widespread in the northern half of the state, sped dry down. Soybean harvest took priority over corn where fields were ready, pushed ahead of average. Soybeans harvested 39% 1999, 35% 1998, 30% avg. Some excellent 4th

crop was harvested last week, but some producers have more forage than they can use, are leaving a good crop in the field due to lack of storage. Fourth crop hay harvested 62% 1999, 63% 1998. Early-sowed winter wheat reached 3 to 4 inches in height. Fall tillage completed 22% 1999, 18% 1998, 16% avg. Potato harvest neared completion in central areas. Cranberry harvest was in full swing. Fruit size, color, quality were reported to be good. Pasture feed 1% very poor, 12% poor, 54% fair, 31% good, 2% excellent.

WYOMING: Days suitable for fieldwork 6.7. Topsoil moisture 2% very short, 37% short, 61% adequate. Subsoil moisture 36% short, 64% adequate. Dry beans combined 93%, 95% 1998, 95% avg. Corn 92% mature, 95% 1998, 96% avg.; 5% harvested, 14% 1998, 24% avg. Corn harvested 97% for silage, 92% 1998, 96% avg. Sugarbeets 39% harvested, 23% 1998, 28% avg. Alfalfa 85% 3rd cutting, 82% 1998, 83% avg. Winter wheat 95% emerged, 96% 1998, 92% avg. Range, pasture feed 2% poor, 17% fair, 71% good, 10% excellent. Cattle moved from summer ranges 72%, 67% 1998, 62% avg. Sheep moved from summer ranges 83%, 70% 1998, 67% avg. Stock water supplies 11% short, 89% adequate. Temperatures were mixed with light precipitation in a few areas of the State. Very warm over weekend.