

Weekly Weather and Crop Bulletin State Stories

Released October 26, 1999, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Weekly Weather and Crop Bulletin State Stories" call Mark E. Miller at (202) 720-7621, office hours 7:00 a.m. to 4:00 p.m. ET.

ALABAMA: Days suitable for fieldwork 6.4. Topsoil 15% very short, 42% short, 41% adequate, 2% surplus. Cotton 63% harvested, 67% 1998, 56% avg. Soybeans 95% dropping leaves, 92% 1998, 86% avg. Wheat 17% planted, 33% 1998, 30% avg. Soybean 38% very poor, 34% poor, 16% fair, 12% good, 0% excellent. Pasture feed 9% very poor, 13% poor, 45% fair, 28% good, 5% excellent. Livestock 13% very poor, 26% poor, 39% fair, 20% good, 2% excellent.

ALASKA: NO DATA AVAILABLE UNTIL APRIL 2000.

ARIZONA: Cotton harvest continues throughout most of Areas with the continued dry weather. Alfalfa harvest activity was reported as 34% not being harvested, 10% light, 22% moderate, 34% active. Alfalfa was reported as 6% poor, 23% fair, 59% good, 12% excellent. Range, Pasture feeds shift slightly from excellent to good with the continued lack of rain. Conditions were reported as 1% very poor, 1% poor, 13% fair, 45% good, 40% excellent. Last week central Areas producers shipped cantaloupes, green onions, watermelons. Shipments from eastern areas producers included apples, chile peppers, hot house tomatoes, lettuce, pumpkins. Producers in western areas shipped cantaloupes, honeydews, orange flesh melons. Central Areas citrus producers harvested lemons, western citrus producers harvested lemons, navels last week.

ARKANSAS: Days suitable for fieldwork: 6. Topsoil 15% very short, 36% short, 48% adequate, 1% surplus. Below normal temperatures, statewide. Scattered first frosts in valleys. Below normal rainfall, statewide. Livestock were reported in good condition. Many farmers were feeding supplemental hay early this year because of the summer drought conditions. Brucellosis vaccinations, fall calving, pregnancy checking spring bred cows, selling cull cows, weaning calves underway. The main farm activities were: Harvesting cotton (some second pickings), soybeans, planting wheat. Other activities included: Liming, fertilizing pastures, bush hogging, land leveling, overseeding fall pastures, spraying fields for insects, weeds, preparing land for planting of annual forages such as rye, ryegrass, treating cropland, pastures for armyworms, fields were being subsoiled, plowed, tree fruit harvesting winding down, Corn 100% harvest, Cotton 87% harvested, 1% very poor, 10% poor, 41% fair, 35% good, 13% excellent, Soybeans 86% shedding, 59% harvested, 11% very poor, 18% poor, 29% fair, 31% good, 11% excellent, Sorghum 100% mature, 100% harvested, Wheat 40% planted, 15% emerged, Alfalfa 8% very poor, 26% poor, 33% fair, 33% good, 0% excellent, Other Hay 13% very poor, 34% poor, 36% fair, 17% good, 0% excellent, Range, pastures 14% very, 37% poor, 34% poor, fair, 15% good, 0% excellent.

CALIFORNIA: Field activities progressed rapidly under ideal 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. Sacramento Valley wheat planting was expected to begin in two to three weeks. Rice harvest neared completion in most growing areas, straw was baled from the stubble. Some Sacramento Valley rice fields were cut for hay due to severe head blanking caused by cool temperatures at pollination. Cotton harvest was in full swing on all varieties in the San Joaquin, Sacramento valleys, as well as in the desert areas. First defoliant applications were

virtually complete, second treatments on American Pima fields were underway. Plowdown of harvested cotton fields for pink bollworm control immediately followed harvest. Corn for grain, silage, dry beans, sugar beets were harvested. Harvested corn fields were being prepared for winter forage plantings. Alfalfa and sudan grass were cut for hay or green chopped. Some alfalfa fields were sprayed for weeds. The harvest of grapes for fresh consumption continued in the San Joaquin Valley. Varieties picked included Red Globe, Ruby Seedless, Crimson Seedless, Thompson Seedless. Harvesting of grapes for raisins was completed. Picking of wine grapes continued. Harvest of late variety stone fruit was winding down. Fig harvest continued. Apple, olive harvests were in full swing. Asian pear, pomegranate harvests were also active in the San Joaquin Valley. Harvest of pistachios, almonds, walnuts continued. Valencia oranges, lemons were picked in southern areas. New crop navel oranges were maturing well. Harvest of strawberries was slow. Warm weather caused some acceleration in the progress of the fall lettuce crop in the San Joaquin Valley. Fall broccoli, cauliflower crops were experiencing normal growth. Some hot-house broccoli, cabbage, brussels sprouts were suffering with warm daytime temperatures. The garlic harvest was nearing completion. Cucumbers were benefitting from the warm fall weather; plants were still producing. Processing cantaloupe were still being harvested. The sweet potato harvest continued. Pumpkins were being harvested; many were marketed at roadside stands. Harvest of taro root was expected to begin soon. Sweet peas were forming fruit and harvest is expected to begin shortly. Fields were prepared for planting the year 2000 crops, as this year's harvests were being completed. Winter vegetables were planted in the Imperial valley. Among the vegetable crops harvested were bitter melon, cucumber, sweet corn, eggplant, sugar peas, onions, peppers, tomatoes. Cattle were calving. Most cattle have been moved from upper elevation pastures. Fire hazard remained high. Some supplemental feeding of hay, nutrients was underway. The weather has been ideal for milk production. Large flocks of sheep were in the Imperial valley grazing on sudan grass, alfalfa fields.

COLORADO: Days suitable for fieldwork 6.5. Topsoil 1% very short, 15% short, 75% adequate, 9% surplus. Subsoil moisture 2% very short, 18% short, 74% adequate, 6% surplus. Record or near record high daytime temperatures with limited precipitation prevailed during the week, permitting harvest of late season crops but resulting in some deterioration in the condition of the sugar beets remaining to be harvested. Sugar beets 48% harvested, 66% 1998, 64% avg.; 6% poor, 21% fair, 54% good, 19% excellent. Dry beans 98% harvested, 99% 1998, 97% avg. Alfalfa 77% 4th cutting, 69% 1998, 61% avg.; 1% very poor, 3% poor, 25% fair, 59% good, 12% excellent. Pasture, range feed in mostly good condition.

DELAWARE: Days suitable for fieldwork 3.7. Topsoil 63% adequate, 37% surplus. Subsoil moisture 1% short, 87% adequate, 12% surplus. Field corn 91% harvested for grain, 80% 1998, 79% avg. Soybeans 91% shedding leaves, 79% 1998, 85% avg.; 18% harvested, 19% 1998, 26% avg. Sorghum 55% harvested, 44% 1998, 32% avg. Apples 90% harvested, 99% 1998, 97% avg. Clover, other hay 94% 4th cutting, 82% 1998, 72% avg. Alfalfa hay 92% 4th cutting, 95% 1998, 91% avg.; 30% 5th cutting, 29% 1998, 35% avg. Hay 10% very short, 35% short, 55% adequate. Pasture 2% poor, 35% fair, 55% good, 8% excellent. Barley 100% good; 65% seeded, 64% 1998, 70% avg. Wheat 1% fair, 98%

good, 1% excellent; 26% seeded, 27% 1998, 30% avg. Activities: Small grains seeding, row crop harvest slowed from rain.

FLORIDA: Topsoil moisture rest of State mostly short to adequate with some areas very short or surplus. Cooler weather arrived during last part of week when low temperatures across inland areas of northern, central Peninsula dipped into 40s, 50s. Temperatures averaged from 1^o. above normal, Tampa, Miami; to 2^o below, Pensacola; most avg normal. Highs mostly 70s, 80s. Scattered storms brought from traces to almost 2.00 in. rain. Moisture southern Peninsula adequate to surplus. Tobacco markets closed October 19. Soybean harvest gaining. Sugarcane grinding was delayed by wet fields. Haying active. Forage growth improving with increased moisture. Cotton harvest active. Ninety-five percent peanuts harvested. Milder weather allowed some vegetables to recover from Hurricane Irene's damage. Tomato picking started, southeastern coast; watermelon, pepper harvesting began, Immokalee. Vegetables marketed: Tomatoes, peppers, cucumbers, pickles, squash, sweet corn, okra, eggplant, watermelons. Rain Thursday, clear rest of week citrus areas. Saturday and Sunday low temperatures in 50s. Moisture adequate to surplus, some standing water from Hurricane Irene. Harvest increasing on Navels, Amber sweet, Hamlin oranges, grapefruit, early tangerines, K-Early citrus fruit. Caretakers cutting cover crops, spraying, fertilizing, pushing out dead trees, resetting new trees. Pasture feed 5% poor, 40% fair, 55% good. cattle 5% poor, 25% fair, 70% good. Winter (small grain) forage planting underway in north, Panhandle counties. However, forage planting delayed in Panhandle due to drought. Pasture feed in north declining seasonally. Outbreak of armyworms noted in Lake County. Pastures in west-central, south counties still quite wet from Hurricane Irene; some standing water. Cattle, calves condition fair to good.

GEORGIA: Days suitable for field work 5.4. Soil 3% very short, 20% short, 73% adequate, 4% surplus. Cotton 18% very poor, 24% poor, 34% fair, 22% good, 2% excellent; 95% bolls open, 92% 1998, 92% avg. Hay 8% very poor, 20% poor, 46% fair, 24% good, 2% excellent. Peanuts 93% dug, 90% 1998, 94% avg. Rye 55% planted, 55% 1998, 59% avg. Sorghum 76% harvested for grain, 85% 1998, 72% avg. Soybeans 25% very poor, 26% poor, 35% fair, 13% good, 1% excellent; 87% dropping leaves, 90% 1998, 91% avg. Other small grains 40% planted, 43% 1998, 44% avg. Apples 84% harvested, 93% 1998, 95% avg. Pecans 7% very poor, 15% poor, 32% fair, 39% good, 7% excellent; 12% harvested, 19% 1998, 14% avg. Light rains during the middle of the week, cooler temperatures during the weekend kept soil moisture mostly adequate throughout the State. Soybeans "dropping leaves" stage was at a near normal pace. The soybean condition changed slightly. Cotton harvest was slowed by mid-week rains, but picked back up toward the end of the week. Defoliating the crop continued during the week. Harvesting progress was normal. Condition of the cotton crop was mostly fair. Short staple, low yields have been reported. Peanut digging, harvesting continued at a near normal pace with harvest winding down. Small grain plantings were active last week. Wheat planted was near normal. Other small grain plantings were slightly behind the average pace. Hay, pasture conditions held steady from last week. Haying was active during the week, as farmers were trying to get one more cutting before colder temperatures. Apple harvest continued. The pecan harvest lagged behind 1998. Other activities included: Harvesting of fall vegetables, taking soil, nematode samples for next year, baling hay, the routine care of livestock, poultry.

HAWAII: Weather conditions were mostly fair for agriculture. Low pressure system to the north of the State produced heavy showers over the northern islands on Tuesday. Twenty-four hour readings exceeded two inches in many areas of Kauai, Oahu. The low pressure system also drew moist tropical clouds from the south over Maui, Hawaii islands. As a result, heavy showers occurred on those islands on Wednesday. Shower activity diminished for most parts of the State as the week progressed. Muddy fields hampered fieldwork. Showery weather interrupted regular spraying. The widespread showers benefitted previously dry areas. Pastures are likely to show rejuvenated grass growth in coming weeks. Reservoirs were also replenished. Most crops made fair progress. Banana orchards were in mostly fair to good condition. Showers were welcomed, but cloudy skies slowed crop development. Papaya harvesting active. Crop conditions ranged from mostly good to a few in poor. Spraying to prevent disease outbreaks is anticipated to start when weather permits. Most vegetables in fair

condition. Harvesting hampered by muddy field conditions. Spraying suspended in most areas due to frequent showers.

IDAHO: Days suitable for fieldwork 6.9. Topsoil 16% very short, 59% short, 25% adequate. The sixth consecutive week with little precipitation has created extremely dry soil conditions. Winter wheat emergence is behind in most areas of the state. Irrigation supply 17% excellent, 64% good, 16% fair, 3% poor. Corn harvested 98% for silage, 96% 1998, 96% avg. Corn harvested 19% for grain, 28% 1998, 27% avg. Onions 95% harvested, 96% 1998, 98% avg. Apples 47% harvested, 66% 1998, 76% avg. Potatoes 97% harvested, 92% 1998, 93% avg. Sugar beets 63% harvested, 57% 1998, 53% avg. Winter wheat 90% planted, 93% 1998, 89% avg.; 43% emerged, 62% 1998, 57% avg. Activities: Fall ground preparation, planting winter wheat, wrapping up fall harvest, picking apples, winterizing irrigation equipment

ILLINOIS: Days suitable for fieldwork 6.6. Topsoil 9% very short, 34% short, 56% adequate, 1% surplus. Excellent weather last week allowed farmers to nearly finish soybean harvest. Ideal harvest conditions allowed farmers to shell corn at a rapid pace. This is the highest harvested percentage at this time of year since 1991. Other activities for last week included: Applying fertilizer, anhydrous ammonia, hauling grain, caring for livestock. Winter wheat 1% poor, 34% fair, 57% good, 8% excellent.

INDIANA: Days suitable for fieldwork 6.3. Topsoil 14% very short, 37% short, 49% adequate, 0% surplus. Subsoil 31% very short, 48% short, 21% adequate, 0% surplus. Winter wheat seeding, emergence maintains, average pace. Winter wheat 6% very poor, 5% poor, 27% fair, 50% good, 12% excellent. Corn harvest 18 days ahead of avg, 6 days behind the record pace established in 1991. Soybean harvest 7 days ahead of avg, 5 days behind the record pace established in 1964. Harvested corn moisture averaging around 16%, soybeans 11.5% moisture content. Range, pasture feed 19% very poor, 31% poor, 40% fair, 10% good. Livestock mostly good condition. Tobacco stripping, baling continues. Activities: Applying fertilizer, spreading lime, seeding winter wheat, tillage of soils, chopping stalks, hauling grain, feeding hay, caring for livestock.

IOWA: Days suitable for field work 6.9. Topsoil very 43% short, 42% short, 15% adequate. Subsoil moisture 36% very short, 41% short, 23% adequate. Another dry week has harvest all but wrapped up in many sections of state. Reporters indicated storage is getting tight; elevators piling corn on ground. Fall tillage in progress but being slowed by extremely dry conditions. Producers are hoping for a good rain before freezing weather arrives to benefit next year's crops. Corn 86% harvested, 67% 1998, 56% avg. Percent moisture of all field corn 16% avg.; 15% harvested. Corn lodging 38% none, 47% light, 13% moderate, 2% heavy. Corn ear droppage 48% none, 42% light, 10% moderate. Soybeans 98% harvested, 92% 1998, 93% avg. Winter wheat 81% planted, 70% 1998, 83% avg. Fall 23% tillage, 18% 1998, 15% avg.; fall fertilizer applied 14%, 14% 1998, 13% avg. Grain movement rated 15% none, 36% light, 38% moderate, 11% heavy. Off-farm grain storage availability 44% short, 56% adequate; on-farm storage 44% short, 55% adequate, 1% surplus. Despite some reports of illness, Areas livestock reported in good condition. In northern section of state, cattle grazing on corn stalks or being fed hay due to continued dryness. Range, pasture feed 13% very poor, 26% poor, 32% fair, 26% good, 3% excellent.

KANSAS: Days suitable for fieldwork 6.8. Topsoil 10% very short, 40% short, 50% adequate. Subsoil moisture 5% very short, 26% short, 68% adequate, 1% surplus. Wheat seeding is nearly complete across the State. However, many areas of the State are very dry, need rain for continued wheat germination, growth. Wheat 3% poor, 21% fair, 65% good, 11% excellent. Sorghum 1% very poor, 5% poor, 28% fair, 58% good, 8% excellent. Sunflower 3% poor, 20% fair, 63% good, and 14% excellent. Sunflowers harvested 69%, 87% 1998, Hay, forage supplies 5% short, 83% adequate, 12% surplus. Stock water supplies 2% very short, 8% short, 89% adequate, 1% surplus. Major activities for livestock producers included: Moving cattle to feedlots, row crop stubble or wheat pasture, fall calving, lambing, weaning, marketing calves.

KENTUCKY: Days suitable for fieldwork 5.5. Topsoil 18% very short, 48% short, 34% adequate. Subsoil moisture 10% very short, 37% short,

52% adequate. For the week temperatures averaged 49^o, 7^o below normal, 14^o colder than the previous week. Rainfall for week very limited. Corn harvesting virtually complete. Soybean harvesting active. Tobacco stripping in full swing. Quality of stripped tobacco rated 3% very poor, 15% poor, 44% fair, 31% good, 7% excellent. Wheat seeding nearing 70% complete, 60% 1998, 62% avg. Fall wheat seeded rated 4% poor, 31% fair, 58% good, 7% excellent. Pasture feed 16% very poor, 35% poor, 36% fair, 12% good, 1% excellent. Farmers continue to feed hay due to poor pasture feed in summer months. Majority expect hay shortages during winter feeding.

LOUISIANA: Days suitable for fieldwork 6.1. Soil 10% very short, 25% short, 61% adequate, 4% surplus. Cotton harvest edged closer to completion. Hay 99% final cutting, 91% 1998, 96% avg. Pecans 4% very poor, 7% poor, 42% fair, 43% good, 4% excellent; 27% harvested, 19% 1998, 16% avg. Soybean harvest continued. Sugarcane 1% poor, 15% fair, 50% good, 34% excellent; 25% harvested, 17% 1998, 19% avg. Sugarcane harvest made good progress. Sweet potatoes 77% harvested, 77% 1998, 77% avg. Wheat 35% planted, 40% 1998, 24% avg.; 8% emerged, 22% 1998, 11% avg. Livestock 2% very poor, 8% poor, 32% fair, 49% good, 9% excellent. Vegetables 7% very poor, 12% poor, 37% fair, 37% good, 7% excellent.

MARYLAND: Days suitable for fieldwork 4.7. Topsoil 1% short, 79% adequate, 20% surplus. Subsoil moisture 9% very short, 6% short, 73% adequate, 12% surplus. Corn 80% harvested for grain, 80% 1998, 73% avg. Soybeans 89% shedding leaves, 97% 1998, 95% avg.; 31% harvested, 48% 1998, 37% avg. Sorghum 61% harvested, 53% 1998, 47% avg. Apples 85% harvested, 88% 1998, 85% avg. Tobacco 10% stripped, 10% 1998, 8% avg. Clover, other hays 87% 4th cutting, 93% 1998, 77% avg. Alfalfa 80% 4th cutting, 97% 1998, 95% avg.; 35% 5th cutting, 40% 1998, 46% avg. Wheat 10% fair, 80% good, 10% excellent; 46% seeded, 44% 1998, 45% avg. Barley 12% fair, 79% good, 9% excellent; 83% seeded, 81% 1998, 80% avg. Rye 8% fair, 84% good, 8% excellent; 55% seeded, 65% 1998, 63% avg. Pasture feed 1% very poor, 7% poor, 17% fair, 60% good, 15% excellent. Hay supplies 12% very short, 45% short, 42% adequate, 1% surplus. Activities: Continued small grain seeding, apple, corn, soybean harvesting.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 7% very short, 31% short, 59% adequate, 3% surplus. Subsoil 17% very short, 44% short, 37% adequate, 2% surplus. Corn 1% very poor, 4% poor, 27% fair, 51% good, 17% excellent. Winter Wheat 0% very poor, 1% poor, 29% fair, 52% good, 18% excellent. Hay 4th cutting 87%, 76% 1998, 73% avg. Scattered showers occurred throughout State but not enough rainfall to prevent farmers from working. Harvest moving as quickly as possible as cooler weather moved in. Temperatures lower as a slight frost reported in all districts across State. Good harvest weather continued this past week. Corn harvest progressing ahead of normal as over half of crop been harvested. Fourth cutting of hay continued. Soybean harvest went into overdrive as most farmers finished harvesting. Sugarbeet harvest in full swing. Yields fair to good. Dry bean harvest completed. Winter wheat planting continued, wheat looked good in fields that have emerged. Potato harvest continuing with high yields reported. Late season apple varieties being harvested. Harvest should be wrapping up in the next week or two.

MINNESOTA: Days suitable for fieldwork 6.2. Topsoil 3% very short, 27% short, 63% adequate, 7% surplus. Soybeans 11% moisture, 12% 1998, 12% avg.; 66% stubble worked, 66% 1998, 55% avg. Corn 17%, 18% 1998, 20% avg.; 40% stubble worked, 39% 1998, 27% avg. Dry beans 95% harvested, 99% 1998, 97% avg. Sunflowers 46% harvested, 49% 1998, 70% avg. Potatoes 92% harvested, 95% 1998, 96% avg. Pasture feed 4% very poor, 17% poor, 36% fair, 37% good, 6% excellent. Farmers took advantage of continuing excellent harvest conditions to harvest much of their remaining acreage during the week. As crops come off the fields quickly, the availability of storage, shipping is a widespread concern. Little or no precipitation was recorded at stations across the southern half of the state, only light rains occurred in the northern half. Hard, dry ground was making tillage of stubble fields difficult in some areas. Soil temperatures falling below 50^o brought on some early application of anhydrous ammonia.

MISSISSIPPI: Days suitable for fieldwork 6.6. Soil moisture 15% very short, 32% short, 49% adequate, 4% surplus. Cotton 93% harvested, 93% 1998, 79% avg. Soybeans 90% harvested, 90% 1998, 73% avg. Sweet potatoes 85% harvested, 83% 1998, 81% avg. Wheat 54% planted, 58% 1998, 50% avg.; 25% emerged, 37% 1998, 28% avg.; 1% very poor, 5% poor, 32% fair, 58% good, 4% excellent. Cattle, 1% very poor, 9% poor, 37% fair, 46% good, 7% excellent. Pasture 10% very poor, 21% poor, 35% fair, 31% good, 3% excellent. Farmers are approaching the end of this harvest season, are beginning to prepare for next year.

MISSOURI: Days suitable for fieldwork 6.7. The topsoil moisture supply was rated as 34% very short, 40% short, 26% adequate. With the cool temperature, dry weather, Areas farmers moved along rapidly with row crop harvesting. Eighty-four percent of the corn was harvested, about a week ahead of the same date 1998, about two weeks ahead of the normal of 71%. The northern third of the State is at slower pace with about 70% harvested, while most farmers in the southern districts finished harvesting corn several weeks. The soybean harvest is 74% complete, four days ahead of 1998, six days ahead of the 5-year average of 63%. The northeast leads all districts with 84% of the soybeans harvested, while progress in the west-central, southwest, south-central districts is 57% or less complete. Only 4% of the soybeans are not yet mature, similar to 1998, but a week ahead of normal. Harvesting of the grain sorghum crop is 80% complete, 4 days ahead of 1998, 8 days ahead of the 5-year average of 68%. The rapid cotton harvest was 94% complete, 3 weeks ahead of 1998, a month ahead of the 5-year average of 63%. Cotton harvest was 90% complete, 3 weeks ahead of 1998, a month ahead of the 5-year average. Fall seeding of winter wheat was 67% complete, well ahead of the 44% seeded a year ago by this date, the 5-year average of 61%. Progress is most advanced in the northwest district with 75% seeded, least advanced in the central, southwest districts. Thirty-two percent of the intended crop has emerged. Pasture, range was rated at 37% very poor, 34% poor, 21% fair, 8% good. Stock water supplies were rated as 34% very short, 27% short, 39% adequate. Over 70% of the reporters, in the central, southwest, south-central districts rated water supplies as short or very short. Supply of hay, other roughages was reported as 10% very short, 20% short, 65% adequate, 5% surplus. The south-central district reported the lowest supply rating with over 60% in very short or short. Hay supplies will depend on the winter months ahead. Precipitation for week ending October 24, 1999 avg. 0.01 inch.

MONTANA: Days suitable for fieldwork were 6.8. Topsoil 17% very short, 48% short, 35% adequate, 0% surplus. Subsoil moisture 18% very short, 44% short, 38% adequate, 0% surplus. Weather conditions last week were very similar to the previous week as temperatures were again slightly cooler across much of the state while either no precipitation or very little moisture was received at most locations. Winter wheat 0% very poor, 13% poor, 30% fair, 47% good, 10% excellent. Sugar beets 97% harvested, 77% 1998, 83% avg. Sugar beet harvest is reported to be going smoothly with no problems. Yields are reported to be above normal with good sugar content. Potatoes 93% harvested, 87% 1998, 86% avg. Cattle, calves moved from summer ranges 73%, 79% 1998, 69% avg. Sheep, lambs moved from summer ranges 77%, 83% 1998, 76% avg. Other farming activities occurring are: Fencing, shipping cattle to market, getting equipment ready for winter.

NEBRASKA: Days suitable for field activities 7.0. Topsoil rated 30% very short, 39% short, 31% adequate. Subsoil moisture 19% very short, 37% short, 44% adequate. Temperatures across areas avg from 2 to 6^o below normals. Only limited precipitation reported in a few Panhandle counties, elsewhere no accumulation for the week. Corn 74% harvest, near 73% 1998, but nine days ahead of 54% avg. If conditions hold, most producers will complete corn harvest within the next 10 days. Soybean harvest near completion at 96%, ahead of 86% 1998, 89% avg. Sorghum mature 95%, behind 100% 1998, 98% avg.; harvest 66% behind 74% 1998, but near 63% avg. Alfalfa rated 3% very poor, 17% poor, 36% fair, 41% good, 3% excellent; fourth cutting virtually complete. Wheat 3% very poor, 6% poor, 25% fair, 56% good, 10% excellent; emerged 96%, 95% 1998, 97% avg. Emergence delayed in the Southeast due to dry conditions. Proso Millet harvest virtually complete at 96%. Pasture, range feed rated 9% very poor, 17% poor, 32% fair, 37% good, 5% excellent. Fire danger high in some eastern counties. Dust causing

livestock health problems in confined areas. Producer activities included: Harvesting fall tillage, livestock care.

NEVADA: Weather in areas was cool, dry. Some stations reported above normal temperatures for the season, but still had lows well below freezing. Alfalfa hay harvest was completed. Fall planting was completed, winter crops had begun germination. Aided by dry weather over the past few weeks, potato harvest finished ahead of schedule. Movement of livestock continued to fall/ winter range. Fire rehabilitation efforts continued. Main farm, ranch activities: Moving livestock, working livestock, fall improvements, winter preparations, fire rehabilitation.

NEW ENGLAND: Days suitable for fieldwork 5. Topsoil 2% short, 67% adequate, 31% surplus. Subsoil 1% very short, 10% short, 70% adequate, 19% surplus. Pasture feed 2% very poor, % poor, 47% fair, 40% good, 2% excellent. Maine potatoes 99% harvested, 99% 1998, 99% avg.; condition excellent to good. Massachusetts potatoes 95% harvested, 99% 1998, 99% avg.; condition good to fair. Rhode Island potatoes 95% harvested, 95% 1998, 95% avg.; condition fair to poor. Field corn 95% harvested, 95% 1998, 90% avg.; condition good to fair. Second cut hay 95% harvested, 99% 1998, 99% avg.; condition good to fair. Third cut hay 95% harvested, 90% 1998, 90% avg.; condition fair. Apples 95% harvested, 95% 1998, 95% avg.; size average to below avg.; condition good. Pears 100% harvested, 99% 1998, 99% avg.; size below avg, condition fair to poor. Cranberries 90% harvested, 90% 1998, 90% avg, size avg, condition good to excellent. Major farm activities included: Chopping hay, corn; digging potatoes; picking apples, pears; spreading manure, lime; planting winter cover crops; cleaning fields; preparing equipment for winter storage.

NEW JERSEY: Days suitable for field work 5. Temperatures averaged much below normal. Extremes were 69° at Atlantic City Marina on the 19th, 25° at Charlotteburg also on the 19th. Weekly rainfall averaged 1.10 inches North, 1.01 inches Central, 1.64 inches South. The heaviest 24 hour total was 1.17 inches at Atlantic City Marina on the 20th to the 21st. Estimated soil moisture, in percent of field capacity, this past week avg 96% North, 98% Central, 97% South. Four inch soil temperatures avg 48° North, 52°s Central, 55° South. Most areas of the state reported an adequate irrigation water supply. Last week's rains brought excess topsoil moisture to some areas of South, Central Areas. Planting of cover crops continued across the state. Harvest of grain corn, soybeans continued with below avg yields reported. The condition of the remaining grain corn fields is poor across the state. The late planted soybean crop is in fair condition. Hay harvest is virtually finished in most areas. Harvest of peppers, lima beans, eggplants, other summer vegetables is near completion. Harvest of fall cabbage, lettuce, spinach is in full swing, their condition is between good, fair in most areas. Some insect problems have been reported in spinach, cabbage fields. Harvest of sweet potatoes, pumpkins is very active. Sweet potato yields have been reduced by smaller than usual sizes. Harvest of apples continued, good quality has been reported. Harvest of cranberries also continued with good quality being reported.

NEW MEXICO: The week began on the cool side with some spotty precipitation, then turned warm, dry. The statewide temperature avg for the week was 2° below normal. The only precipitation was associated with a winter-type storm that was exiting the state as the week began. Des Moines/Capulin, Raton were the only spots that measured over one quarter of an inch of precipitation. Farmers were either harvesting fall crops or preparing for harvest. Ranchers remained active moving cattle to winter pastures, marketing calves installing fences, pipelines. Red chile harvest slowed during the week. Corn, sorghum for grain harvest continued, cotton harvest started across producing areas. Peanut harvest is in full swing with excellent yields reported. Sorghum, wheat conditions declined slightly during the week to mostly fair to good condition. Pasture, Range feed were reported at 5% very poor, 8% poor, 35% fair, 45% good, 7% excellent. Cattle, sheep were in fair to good condition, with good weight gains being reported.

NEW YORK: Days suitable for fieldwork 5.0. Soil moisture 90% adequate, 10% surplus. Pasture feed 40% fair, 60% good. Soybean, corn for grain harvest continued very active. Potato harvest winding down. Growers grading, moving potatoes into storage. Apple picking tapered off. Crop being moved into storage. Cider making in full swing. Orchard clean-

up work underway. Vegetable harvest limited to a few late season crops. Most growers readying machinery for winter storage, seeding cover crops, attending meetings. Grape crushing, wine making were major activities in the states wine producing regions.

NORTH CAROLINA: Days suitable for fieldwork 2.9, 4.3 last week. Experienced typical temperatures, widespread rain as Hurricane Irene brought unwelcomed precipitation to the eastern half of the State. Although isolated portions of the Mountain region continue to experience drought conditions, surplus topsoil moisture levels rose to 64% for the State. Wet fields continue to slow the planting of small grain crops, becoming a critical factor in harvesting cotton, since a hard freeze could cause boll lock. Corn, peanut, and sweet potato harvests are also behind schedule. Other activities: Grading, harvesting and marketing tobacco; apple harvesting; shearing and marketing Christmas trees; harvesting vegetable crops; field equipment service and repairs; and establishing cover crops.

NORTH DAKOTA: Days suitable for fieldwork 7. Topsoil 2% very short, 16% short, 78% adequate, 4% surplus. Subsoil 1% very short, 14% short, 77% adequate, 8% surplus. Producers made excellent progress on the row crop harvest due to favorable weather during the week. Dry weather prompted fall tillage and chemical applications. Continued dry weather is needed to dry down row crops. Corn for grain 48% harvested, 71% 1998, 56% avg. Flaxseed 96% combined, 100% 1998, 97% avg. Soybeans 89% harvested, 88% 1998, 87% avg. Sunflowers 38% harvested, 66% 1998, 62% avg. Emerged corn for grain 2% very poor, 5% poor, 21% fair, 62% good, 10% excellent; sunflower 2% very poor, 14% poor, 31% fair, 46% good, 7% excellent. Ranchers were busy weaning calves, moving hay for winter feeding. Stock water supplies 2% short, 91% adequate, 7% surplus.

OHIO: Days suitable for fieldwork 5.9. Topsoil 16% very short, 33% short, 50% adequate, 1% surplus. Soybeans harvested 87%, 91% 1998, 83% avg. Corn harvested for grain 67%, 50% 1998, 37% avg. Winter wheat planted 91%, 95% 1998, 90% avg.; emerged 74%, 73% 1998, 55% avg. Fall, winter apples harvested, 89%, 93% 1998, 82% avg. Grapes harvested 97%, 99% 1998. Tobacco stripped 17%, 16% 1998. Pasture feed 15% very poor, 27% poor, 34% fair, 22% good, 2% excellent. Winter wheat 1% poor, 18% fair, 63% good, 18% excellent. Activities: Harvesting corn, soybeans; fall tillage; planting wheat; hauling manure; tiling; hauling grain; spreading lime, fertilizer; pressing cider; cutting firewood; sowing cover crops; weaning calves; emptying waste storage ponds; developing water sources. Killing frost has alleviated some of the weed pressure although ragweed, lambs quarter, foxtail, velvet leaf, Canadian thistle, Johnson grass, chickweed, pigweed were still reported. Reported diseases include white mold in soybeans; gray leaf spot on corn; fly speck, scab on apples; rust, leaf spot, mildew on vegetables. Fruit, vegetable producers continue to harvest pumpkins, apples, pears, squash, tomatoes, beans, peppers, grapes, cabbage. Pasture, grass conditions have improved somewhat with the recent rains although most of the pasture remains short. Livestock producers comment on mostly good conditions although water sources are still short in much of the south, hay stocks are low. Producers continue to sell beef cattle, low producing dairy cows, poultry.

OKLAHOMA: Days suitable for fieldwork 6.7. Subsoil 14% very short, 38% short, 48% adequate. Topsoil 21% very short, 43% short, 36% adequate. Continued dry weather lowers soil moisture supplies for fifth straight week. Wheat 2% very poor, 12% poor, 36% fair, 48% good, 2% excellent. Oats 15% very poor, 2% poor, 30% fair, 48% good, 5% excellent; 81% planted, 82% 1998, 62% avg.; 26% up to stand, 49% 1998, 31% avg. Corn 99% harvested, 100% 1998, 96% avg.; Soybeans 87% mature, 96% 1998, 85% avg.; 58% harvested, 51% 1998, 50% avg. Peanuts 88% mature, 95% 1998, 88% avg.; 50% combined, 42% 1998, 39% avg. Cotton 99% bolls opening, 99% 1998, 84% avg. Alfalfa hay 2% very poor, 8% poor, 38% fair, 47% good, 5% excellent; 90% 4th cutting, 84% 1998, 95% avg.; 30% 5th cutting, 23% 1998, 50% avg. Other hay 83% 2nd cutting, 48% 1998, 86% avg.; Livestock 5% poor, 23% fair, 70% good, 2% excellent. Feeder steer prices unchanged at \$80.50 per cwt.

OREGON: Days suitable for fieldwork 7. Topsoil 41% short, 46% short, 13% adequate. Subsoil 45% very short, 44% short, 11% adequate. Barley planted 47%, 44% 1998, 40% avg. Winter wheat planted 61%,

81% 1998, 77% avg.; emerged 18%, 61% 1998, 48% avg. Range, pasture feed 7% very poor, 45% poor, 30% fair, 18% good. Activities: Field preparation continued, moisture needed for good germination. Producers seeding in dust, hoping for rain. Cooler temperatures helped bring soil moisture up. Haying activities winding down. Sugar beet harvest continued in Klamath Basin. Corn harvest beginning in northeast, well underway in Willamette Valley. Most corn silage in from the field in Willamette Valley. Irrigation required at nurseries, greenhouses because of dry weather on west side. Sales of container, balled trees increasing. Greenhouses busy with fall plants, Christmas poinsettias. Christmas tree marking winding down. Potato harvest wrapping up, average yields reported. Most onions dug. Root crop, some late planted salad vegetables harvests continued. Squash, pumpkins moving to canneries, stores. Sweet corn harvest winding down, cauliflower harvest 50-70% completed. Willamette Valley hazelnut harvest in full swing. Some growers on second sweep. Rogue River Valley pear, apple harvests winding down, grape harvest underway. South coast cranberry harvest continued. Hood River Valley pear harvest completed, Braeburn apple harvest underway. Milton-Freewater area apples being picked. Livestock mostly good, some fair on driest ranges, pastures. Weaning, pregnancy checking continued in east. Gathering cattle off high ranges continued in east, southwest. Range, pasture grasses continued to dry out; recent light rains did not generate much new growth. Only irrigated pastures have forage available. Supplemental hay feeding required in most areas.

PENNSYLVANIA: Days suitable for fieldwork 4.8. Soil moisture 20% short, 69% adequate, 11% surplus. Corn 84% mature, 91% 1998, 89% avg.; harvested 37% complete, 51% 1998, 41% avg.; 19% very poor, 28% poor, 31% fair, 19% good, 3% excellent. Ensilage corn harvested 98% complete, 95% 1998, 92% avg. Soybeans harvested 16% complete, 28% 1998, 35% avg.; 18% very poor, 32% poor, 25% fair, 23% good, 2% excellent. Potato harvest 92% complete, 87% 1998, 87% avg. Fall plowing 74% complete, 73% 1998, 76% avg. Wheat planted 60% complete, 67% 1998, 76% avg.; emerged 46% complete, 48% 1998. Barley planted 87% complete, 92% 1998, 91% avg. Barley emerged 72% complete, 63% 1998. Alfalfa 4th cutting 80% complete, 82% 1998, 74% avg. Quality of hay made 2% very poor, 8% poor, 49% fair, 33% good, 8% excellent. Grape harvest 99% complete, 93% 1998, 84% avg. Apple harvest 82% complete, 87% 1998, 85% avg. Activities include: Harvesting corn, soybeans, apples, grapes, cool weather vegetables, potatoes, corn silage; planting barley, wheat and cover crops; machinery maintenance; filling silos; hauling, pumping and spreading manure; spreading lime; emptying manure pits; caring for livestock; cutting hay; plowing for the fall; repairing buildings.

SOUTH CAROLINA: Days suitable for fieldwork 5.2. Soil moisture 2% very short, 12% short, 64% adequate, 22% surplus. Apples 83% harvested, 97% 1998, 93% avg. Livestock 5% poor, 32% fair, 50% good, 13% excellent. Pasture feed 4% very poor, 15% poor, 43% fair, 36% good, 2% excellent. Sorghum 95% matured, 97% 1998; 70% harvested, 66% 1998, 73% avg.; 13% very poor, 25% poor, 48% fair, 14% good. Sweet potatoes 58% harvested, 73% 1998, 57% avg.; 22% very poor, 28% poor, 33% fair, 17% good. Tobacco 99% stalks destroyed, 99% 1998, 97% avg. Winter grazings 70% planted, 72% 1998, 66% avg.; 55% emerged, 54% 1998, 46% avg.; 43% fair, 53% good, 4% excellent. Winter wheat 19% planted, 25% 1998, 19% avg.; 12% emerged, 15% 1998, 10% avg. Barley 38% planted, 48% 1998, 39% avg.; 28% emerged, 30% 1998, 26% avg. Oats 50% planted, 50% 1998, 44% avg.; 29% emerged, 32% 1998, 30% avg.; 3% poor, 41% fair, 39% good, 17% excellent. Rye 51% planted, 56% 1998, 48% avg.; 39% emerged, 38% 1998, 33% avg.; 35% fair, 56% good, 9% excellent. Pecans 15% harvested, 29% 1998, 21% avg.; 10% poor, 90% fair.

SOUTH DAKOTA: Days suitable for fieldwork 6.4. Topsoil 7% very short, 19% short, 65% adequate, 9% surplus. Subsoil 3% very short, 19% short, 68% adequate, 10% surplus. Sorghum 7% poor, 32% fair, 53% good, 8% excellent; harvested for silage 88%, 100% 1998, 97% avg. Soybean mature 100%, 100% 1998, 100% avg. Corn 1% very poor, 3% poor, 15% fair, 53% good, 28% excellent; mature 98%, 100% 1998, 100% avg. Sunflower 4% poor, 19% fair, 59% good, 18% excellent; mature 97%, 100% 1998, 100% avg.; harvested 51%, 74% 1998, 68% avg. Winter rye seeded 99%, 100% 1998, 100% avg.; emerged 87%, 97% 1998, 96% avg. Stock water supplies 1% very short, 6% short, 83% adequated 10% surplus. Cattle 8% fair, 64% good, 28% excellent. Sheep 6% fair, 65% good, 29% excellent.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 20% very short, 36% short, 43% adequate, 1% surplus. Subsoil 29% very short, 42% short, 29% adequate. Burley 32% stripped, 39% 1998, 35% avg. Pasture feed 29% very poor, 36% poor, 30% fair, 4% good. Winter wheat 44% seeded, 50% 1998, 46% avg. Farmers continued harvesting both cotton, soybeans at a rapid pace last week. Except for a few delays caused by wet weather, growers have had close to ideal harvesting conditions this year. With harvest activities winding down, many producers turned their attention to wheat seeding last week. Producers are rushing to get the crop seeded while the weather is favorable, soil moisture is still available. In addition to these activities, farmers were busy renovating pastures, preparing tobacco for market. Both temperatures, rainfall for the week averaged well below normal across the entire State.

TEXAS: Light rain and snow delayed harvest early in the week across the Plains while mostly cool open weather prevailed elsewhere. Showers occurred in East, South Texas, along the Coastal Bend. Harvest resumed on the Plains by mid week as conditions improved. Land preparation remained slow in most areas as the dry conditions continued. Livestock conditions continued to worsen while supplemental feeding increased, drought conditions became more evident in many areas. Herd reduction continued in many areas as stock ponds dried and forage production became dormant for the winter.

Crops: Small Grains: Seeding of wheat, oats continued, but remained slow in most areas. Seedling death continued in some locations as a result of too little moisture in fields that showed some emergence, while germination has not occurred in others. In a few locations improved growth continued as a result of recent rain showers. Wheat condition 53% of normal compared, 51% 1998. Oats 54%, 1998, 70%, Avg.%. Corn: Harvest of remaining fields continued on the High Plains. Cotton: Harvest was interrupted during early week due to light rain, snow, but continued to expand later in the week as conditions improved. Some growers are spraying cotton to aid in harvest activity rather than wait for a freeze. Gins remained open in the Coastal Bend while harvest continued to wind down in the Blacklands, Central Texas. Statewide, Cotton stalk destruction continued active in fields that had been harvested. Cotton condition was rated at 57% of normal compared, 51% 1998. Bolls Opening 96%, 96% 1998, 90% avg. Peanuts harvest was inactive on the Plains during early week, escalated after mid week, remained active in Central, South Texas. Peanut condition 75% of normal compared with 49% 1998. Rice harvest of the second crop was winding down. Sorghum harvest continued active on the High Plains during most of the week. Some delay occurred as a result of the light rain, snow at the beginning of the week. Turning color 100%, 100% 1998, 100% avg. Soybeans harvest continued on the High Plains with generally good yields.

Commercial Vegetables: Rio Grande Valley, planting continued for carrots, cabbage, onions while other fall vegetables showed good progress. Harvest began for Bell Pepper, various varieties of greens. Harvest of Citrus was also underway with early supplies of oranges, grapefruit. San Antonio-Winter Garden, cabbage, onion planting neared completion, preparation for other fall vegetables remained active. East Texas, planting of fall crops, gardens continued slowly. Sweet potato harvest remained active, yields were disappointing in some locations. Preparation for more blueberry production continued. Pine tree harvest remained active. High Plains, pumpkin harvest was mostly completed, bean harvest was winding down, both with generally good yields reported. Pecan crop continued to mature, harvest activities increased. Insect damage remained evident. Quality was variable.

Range and Livestock: Livestock conditions continued to decline in most areas. Heard reduction remained active and supplemental feeding increased in many areas as pastures had only limited forage. The market remained weakened. Remaining hay baling activity in isolated areas declined. Fall grazing from wheat and oats remained minimal.

UTAH: Days suitable for fieldwork 7. Topsoil 5% very short, 29% short, 66% adequate. Subsoil 3% very short, 28% short, 69% adequate. Range, pasture feed 3% very poor, 18% poor, 29% fair, 46% good, 4% excellent. Corn mature 90%, 86% 1998, 87% avg.; harvested for grain 40%, 27% 1998, 44% avg. Winter wheat emerged 86%, 82% 1998, 79% avg. Alfalfa hay 4th cutting 91%, 99% 1998, 93% avg. Alfalfa seed harvested 55%, 100% 1998, 93% avg. Apples picked 85%, 84% 1998, 84% avg. Potatoes harvested 96%, 99% 1998, 97% avg. Onions harvested 96%, 85% 1998, 94% avg. Cattle moved from summer range 85%, 87% 1998, 90% avg. Sheep moved from summer range 87%, 89%

1998, 90% avg. Major activities included harvesting alfalfa hay, moving livestock. Lack of rain in the past weeks has caused the fields to be dry, hard to work.

VIRGINIA: Days suitable for fieldwork 4.1. Topsoil 4% very short, 8% short, 62% adequate, 26% surplus. Subsoil 12% very short, 18% short, 54% adequate, 16% surplus. Temperatures across the Commonwealth dropped several degrees during the past week. Overnight lows dropped into the thirties, with many localities experiencing the first frost of the year. The majority of rainfall associated with Hurricane Irene fell over one week ago. Pastures feed 4% very poor, 13% poor, 33% fair, 41% good, 9% excellent. Livestock 1% very poor, 4% poor, 23% fair, 62% good, 10% excellent. Corn for grain 81% harvested, 85% 1998, 77% avg. Soybeans 78% dropping leaves, 81% 1998, 83% avg.; 15% harvested, 21% 1998, 21% avg.; 5% very poor, 12% poor, 30% fair, 42% good, 11% excellent. Winter wheat 18% seeded, 18% 1998, 25% avg. Barley 67% seeded, 50% 1998, 63% avg. Peanuts 86% dug, 89% 1998, 93% avg.; 65% combined, 70% 1998, 80% avg.; 8% very poor, 13% poor, 45% fair, 33% good, 1% excellent. Cotton 19% harvested, 73% 1998, 39% avg.; 5% very poor, 16% poor, 41% fair, 36% good, 2% excellent. Apples, Fall 83% harvested, 80% 1998, 86% avg. Apples, winter 70% harvested, 64% 1998, 69% avg. However standing water, saturated soil continued to limit field work, particularly during the first part of the week. Livestock producers report that pasture conditions remain in mostly good condition. Forage is readily available for winter grazing. Stockpiled fescue continued to make excellent growth during the past week. Fall calving, lambing is presently underway. Corn harvest continued during the past week. Progress is slightly behind 1998 but slightly ahead of the five-year average. Condition of soybean crop continued to improve this past week. Harvest is currently underway with good yields reported thus far. Small grain seedings progress remained behind schedule due to wet field conditions. Peanut harvest progressed this past week as field conditions permitted. Producers have nearly caught up with 1998, five-year average. Condition of unharvested acres continued to deteriorate. Producers reported concern that frost might have some effect on the quality of unharvested acres. Majority of cotton acres remain unharvested. Producers continued to defoliate from the air, however, fieldwork was limited. As field conditions improve cotton harvest is expected to progress at a rapid pace. Condition of the crop deteriorated slightly from the past week. Vegetable producers continued to harvest tomatoes, greens, broccoli, cabbage, winter squash, etc.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 30% very short, 45% short, 25% adequate. Subsoil 30% very short, 50% short, 20% adequate. Winter wheat planted 93%, 97% 1998, 96% avg.; emerged 82%, 89% 1998, 83% avg. Conditions remained very dry in wheat growing regions. Some growers were able to increase drill depths to seed into moisture, other were forced to seed in dry conditions resulting in poorer stands. Precipitation is needed soon to both promote emergence, improve new crop conditions or considerable wheat acreage may have to be re-seeded. Potatoes harvested 95%, 89% 1998, 90% avg. Hay, other roughage 6% short, 69% adequate, 25% surplus. Range, pasture feed 16% very poor, 35% poor, 35% fair, 13% good, 1% excellent. Final alfalfa hay cutting continued. Livestock producers took advantage of mild conditions to mend fences, and move livestock and forages in preparation for winter. Fruit harvests continued under nearly ideal apple and grape harvesting conditions. Good quality fruit has been reported. Sweet corn harvest neared completion in western areas, carrot harvest progressed well. Christmas tree growers continued to prepare for the upcoming harvest season.

WEST VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 3% very short, 53% short, 44% adequate. Planting, harvesting progress are lagging behind schedule. Remaining hay 15% very poor, 40% poor, 35% fair, 9% good, 1% excellent; Hay 3rd cut 70%, 95% 1998, 92% avg. Corn 12% very poor, 22% poor, 38% fair, 25% good, 3% excellent; mature 90%, 95% 1998; harvested 54%, 60% 1998, 61% avg. Soybeans 7% very poor, 12% poor, 34% fair, 42% good, 5% excellent; dropping leaves 99%, 98% 1998, 98% avg.; harvested 35%, 81% 1998, 44% avg. Apples harvest 80%, 93% 1998. Wheat planted 49%, 67% 1998, 65% avg.; wheat emerged 18%, 44% 1998. Cattle 1% very poor, 9% poor, 51% fair, 38% good, 1% excellent. Sheep 3% poor, 69% fair, 27% good, 1% excellent.

WISCONSIN: Days suitable for fieldwork 6.2. Soil moisture 29% very short to short, 70% adequate, 1% surplus. Soybean harvest started to draw to a close in some parts of the State last week, as producers made excellent harvest progress. Soybean harvest progress was over one week ahead of the five-year average. Soybeans harvested 90%, 77% 1998, 76% avg. Corn harvest started to pick up as producers finished their soybeans. Corn for grain harvest progressed to nearly two weeks ahead of normal. Virtually all high moisture corn has been harvested. Reports of storage space shortages have been noted, with a few commercial grain elevators already at capacity. Soybeans, corn have been harvested at low moistures, helped producers save on drying costs. Low humidity levels allowed producers to start harvest early in the day, continue into the evening hours. Small number of producers harvested hay last week before the cold snap. Hay, roughage supplies going into winter have been reported as mostly excellent. Hay, roughage 1% short, 44% adequate, 55% surplus. Potato yields have been reported as very good. Potato harvest nears completion, cold overnight temperatures have forced some growers to wait until mid-day for fields to warm so that potatoes are not damaged during harvest. Cranberry harvest in Wood county should be completed in the next week or two. Early-sowed winter wheat has made good stands, more rainfall is needed for recently planted fields. Fall tillage activities slowed due to the emphasis put on corn, soybean harvest. Fall tillage completed 36% 1999, 35% 1998, 29% avg. Chopping, baling of corn stalks for bedding also took place last week. Farmers wait for showers to complete fall plowing. Pasture feed 2% very poor, 22% poor, 35% fair, 39% good, 2% excellent.

WYOMING: Days suitable for fieldwork 6.8. Topsoil 2% very short, 42% short, 56% adequate. Subsoil 3% very short, 44% short, 53% adequate. Temperatures were generally below normal with scattered light precipitation in the State. Warm, sunny days excellent for harvest. Corn harvested 46%, 34% 1998, 43% avg. Sugar beets harvested 85%, 71% 1998, 81% avg. Range, pasture feed 2% poor, 21% fair, 65% good, 12% excellent. Stock water 10% short, 89% adequate, 1% surplus.