

Weekly Weather and Crop Bulletin State Stories

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ALABAMA: Days suitable for fieldwork 6.9. Soil moisture decreased from the previous weeks precipitation. Topsoil 69% very short, 22% short, 9% adequate. Corn 91% mature, 100% 1998, 99% avg.; 71% harvested, 78% 1998, 70% avg. Soybeans 90% blooming, 100% 1998, 99% avg.; 87% setting pods, 100% 1998, 99% avg.; 43% dropping leaves, 44% 1998, 30% avg. Soybean 54% very poor, 15% poor, 17% fair, 13% good, 1% excellent. Pasture feed 33% very poor, 29% poor, 27% fair, 10% good, 1% excellent. Livestock 7% very poor, 24% poor, 39% fair, 24% good, 6% excellent.

ALASKA: Days suitable for fieldwork 3.8. Topsoil 100% adequate. Subsoil moisture supplies, 100% adequate. Cool, cloudy, damp conditions hindered the small grain, hay harvests. Daytime high temperatures were mostly in the 50's with nighttime lows mostly in the 40's. Oats 35% harvested. Barley 80% harvested. Hay 50% 2nd cutting harvest. Livestock 50% fair, 40% good, 10% excellent. Commercial storage potato 65% harvest. Major activities included: Cutting hay, harvesting vegetables, grains, hay, potato fields, hauling hay bales to storage.

ARIZONA: Cotton harvest is underway. Alfalfa harvest activity was reported as 16% not being harvested, 4% light, 32% moderate, 42% active, 6% finished. Alfalfa 4% poor, 19% fair, 69% good, 8% excellent. Last week central area producers shipped a light volume of watermelons, green onions.

ARKANSAS: Days suitable for fieldwork 7. Topsoil 28% very short, 49% short, 22% adequate, 1% surplus. Patchy rain across the southwest, central sections of the State early in the week produced little to no amounts. Pleasant week with mostly sunny skies, temperatures below normal. Livestock were reported in good condition. Many farmers feeding supplemental hay early this year because of the drought. Corn 90% harvest. Cotton 85% opening bolls, 7% harvested; 5% very poor, 10% poor, 34% fair, 36% good, 15% excellent. Soybeans 100% setting pods, 24% shedding, 8% harvested; 9% very poor, 19% poor, 31% fair, 31% good, 10% excellent. Sorghum 100% turning color, 97% mature, 82% harvested; 3% very poor, 12% poor, 38% fair, 40% good, 7% excellent. Alfalfa 5% very poor, 31% poor, 40% fair, 24% good. Other hay 13% very poor, 33% poor, 39% fair, 15% good. Range, pastures feed 15% very poor, 34% poor, 38% fair, 13% good. Main farm activities: Harvesting rice, sorghum, corn and defoliating cotton. Other activities: Finishing hay harvesting, preparing land for planting of annual forages such as rye, ryegrass, liming pastures, finishing harvesting hay, planning for fall pastures. Brush hogging, irrigating soybeans for the last time, spraying fields for insects and weeds, started cotton, soybean harvesting and continued pea, rice harvesting, scouting for and treating webworms in soybeans, treating crop lands for armyworms, tree fruit, small fruit harvesting, dusting and ear tagging cattle for external parasites, fall calving, giving Brucellosis vaccinations, pregnancy checking spring bred cows, selling cull cows, weaning calves.

CALIFORNIA: Field activities progressed normally under ideal conditions in most areas. Seedbed preparations for fall-seeded small grains, forage crops were ongoing. Winter forage planting continued, limited small grain seeding began. Rice harvest was underway in most varieties, straw was being baled from the stubble. Later planted rice fields were still being drained. Wild rice, safflower harvests were virtually

complete. Cotton growth improved as the warm temperatures continued, although most fields remained one to two weeks behind normal. Defoliation began in some San Joaquin Valley cotton fields, growers were still treating for late season aphid, armyworm, whitefly infestations. Blackeye bean harvest gained momentum in the San Joaquin Valley, while garbanzo bean harvest neared completion. Seed alfalfa harvest was in full swing in the Imperial Valley but was virtually complete elsewhere. Sugar beet harvest continued active in the central valleys. Corn for grain, silage was harvested in the San Joaquin Valley. Sunflower harvest began in the Sacramento Valley; later maturing fields were still being defoliated. Alfalfa, sudangrass were cut for hay or greenchopped. Some older stands of alfalfa hay were removed due to continued depressed prices. Harvest of grapes for fresh use was in full swing in the San Joaquin Valley. Varieties picked included Red Globe, Thompson Seedless. Raisin grape harvest was active with approximately 5% to be laid, 70% on open trays, 20% rolled, 5% picked up. Picking of wine grapes continued. Stonefruit harvest was winding down. Fig harvest progressed. Picking of apples was active. Olive trees had a good fruit set, were maturing well. Bartlett pear harvest was virtually complete. Asian pear harvest continued in the San Joaquin Valley. Prune harvest neared completion. Almond, pistachio harvests were in full swing, while walnut harvest was just underway. Valencia oranges, lemons were picked in southern California. New crop navel oranges were maturing well. New plantings of strawberries showed good growth. Strawberries were weeded, irrigated, some fields were blooming. Fresh market tomato harvest continued with good prices reported. Processing tomato harvest continued with good yields reported. Some tomato fields were treated for stink bug, late blight. Honeydew, cantaloupe harvests were still going strong. Some fields of watermelons were being second picked. Sweet potato, yam harvests began. Dry, warm weather was extending the season of miscellaneous Oriental vegetables, including bittermelon, eggplant, sweet potato leaves. Fall lettuce, broccoli, cauliflower were progressing normally. Some fields were sprayed to control worms. Carrots, pumpkins were sprayed for aphids. Ground preparation for winter vegetables continued in the Imperial Valley. Fall melons were developing well with some fields treated for whiteflies, aphids. Among the wide array of other vegetables being harvested were squash, cucumbers, peppers, okra, sweet corn, bok choy, cilantro, chives, garlic, parsley, onions, radishes. Rangeland conditions continued the normal seasonal decline. Little change was reported to overall livestock condition. A slight decline in milk, egg production occurred with the higher temperatures. Supplemental feeding of livestock continued. Rangeland cattle were calving. Some cattle were being brought down from upper elevations. Few sheep were moved into the southern valleys. Fire danger was high in foothill, mountain ranges, pastures.

COLORADO: Days suitable for fieldwork 5.8. Topsoil 7% very short, 14% short, 76% adequate, 3% surplus. Subsoil 5% very short, 20% short, 73% adequate, 2% surplus. Seasonal weather patterns prevailed during the week with cooling temperatures, mostly dry days. Light snow at higher elevations at the end of the period signaled the upcoming change of the season. Spring wheat 75% harvested, 88% 1998, 82% avg. Spring barley 98% harvested, 97% 1998, 94% avg. Oats 97% harvested, 93% 1998, 88% avg. Corn silage 49% harvested, 63% 1998, 50% avg. Dry onions 62% harvested, 75% 1998, 79% avg. Sugar beets 2% poor, 13% fair, 60% good, 25% excellent. Dry beans 63% cut, 81% 1998, 71% avg.; 40% harvested, 57% 1998, 52% avg.; 1% very poor, 2% poor, 10% fair, 63% good, 24% excellent. Summer potatoes 85% harvested, 81% 1998, 74% avg. Fall potatoes 27% harvested, 28% 1998, 23% avg.; 7% poor, 14% fair, 45% good, 34% excellent. Alfalfa 70% 3rd

cutting, 69% 1998, 63% avg.; 1% very poor, 7% poor, 24% fair, 54% good, 14% excellent. Pasture feed, range in mostly good condition.

DELAWARE: Days suitable for fieldwork 3.2. Topsoil 42% adequate, 58% surplus. Subsoil 7% short, 57% adequate, 36% surplus. Field corn 19% very poor, 14% poor, 35% fair, 30% good, 2% excellent; 86% dented, 90% 1998, 94% avg.; 54% mature, 63% 1998, 57% avg.; 32% harvested for grain, 27% 1998, 19% avg.; 73% harvested for silage, 67% 1998, 71% avg. Soybeans 6% very poor, 13% poor, 46% fair, 33% good, 2% excellent; 25% turned, 39% 1998, 29% avg.; 11% shedding leaves, 10% 1998, 13% avg. Sorghum 2% poor, 89% fair, 9% good; 55% turned, 60% 1998, 57% avg.; 30% mature, 10% 1998, 18% avg. Sweet corn 90% harvested, 85% 1998, 95% avg. Snap beans 86% harvested, 84% 1998, 89% avg. Lima beans 82% harvested, 66% 1998, 67% avg. Tomatoes 90% harvested, 84% 1998, 93% avg. Apples 3% fair, 84% good, 13% excellent; 67% harvested, 58% 1998, 56% avg. Clover, other hay 91% 3rd cutting, 93% 1998, 89% avg. Alfalfa hay 54% 4th cutting, 50% 1998, 51% avg. Hay 2% very short, 40% short, 58% adequate. Pasture feed 3% very poor, 12% poor, 50% fair, 35% good. Activities: Corn harvesting slowed slightly due to Hurricane Floyd, serious pod worm damage in soybeans, hurricane caused lots of lodging in corn fields.

FLORIDA: Topsoil moisture throughout State mostly short to adequate. Hurricane Floyd pass off eastern coast mid-week delayed field activity. Formation of Tropical Storm Harvey in Gulf of Mexico brought significant rains to many Peninsula localities at end of week. Most rainfall about 1.00 to almost 4.00 in. Palmetto-Ruskin region recorded 0.70 to 2.00 in.; southwest, up to 3.00 in.; Dade County, about 1.50 in.; Ft. Pierce, 3.75 in. Temperatures 3° below normal to 2° above. Daytime highs 80s, 90s; nighttime mostly in 60s, 70s. Tallahassee, Gainesville recorded at least one low in 50s. Tobacco marketing active. Soybean, sugarcane condition normal. Haying active. Cotton harvest starting. Peanuts 45% harvested; 3% very poor, 7% poor, 60% fair, 30% good. Hurricane Floyd's strong winds caused some leaf damage, increased bloom drop in some unprotected vegetable fields along southeastern coast, most plants to recover. Currently, heavy rains expected strong winds from Tropical Storm Harvey curtailing most vegetable fieldwork. Hurricane Floyd missed Florida's citrus belt. Indian River District did get 40 to 50 mph gusts; rains with hurricane were not excessive. Weekend tropical rains dumped several inches of new moisture on most of citrus belt. Abundant new growth on most trees. Packing houses shipping grapefruit, Navels, Ambersweet oranges, a few tangerines. Caretakers cutting cover crops, spraying, fertilizing, herbiciding, pushing, burning dead trees. Pasture feed 5% very poor, 15% poor, 45% fair, 35% good. Cattle 45% fair, 55% good. Statewide pasture conditions declined as general drought not affected by Hurricane Floyd. Panhandle pastures in bad shape due to drought. Winter forage planting delayed due to dry soil condition. Northern pastures fair, very little army worm pressure. Haying conditions good. West central pastures, slow grass growth. Condition of cows, calves mostly good.

GEORGIA: Days suitable for fieldwork 6.3. Soil moisture 48% very short, 39% short, 13% adequate. Topsoil moisture declined. Hurricane Floyd missed much of the State last week with only part of the southeastern portion of the state receiving any of its rains. Corn harvest continued active. Hay 24% very poor, 41% poor, 26% fair, 9% good. Peanuts 39% dug, 23% 1998, 39% avg. Rye 4% planted, 7% 1998, 6% avg. Sorghum 20% very poor, 28% poor, 35% fair, 16% good, 1% excellent; 60% harvested for grain, 52% 1998, 43% avg. Soybeans 98% setting pods, 100% 1998, 99% avg. Tobacco 99% harvested, 92% 1998, 98% avg. Other small grains 3% planted, 0% 1998, 2% avg. Apples 4% very poor, 13% poor, 39% fair, 41% good, 3% excellent; 42% harvested, 46% 1998, 45% avg. Pecans 9% very poor, 18% poor, 33% fair, 35% good, 5% excellent. Soybean condition decreased. Sorghum harvest continued ahead of 1998, average pace. Condition of the crop remaining to be harvested declined. Cotton harvest continued slightly ahead of average pace. Peanut harvest continued with digging, threshing ahead of 1998 pace. Rain is needed to dig dryland peanuts. Dry soils continued to hurt pastures, hay. Just above 2/3 of the state's pastures were in poor to very poor condition. Rain is needed for another cutting of hay. Farmers were feeding hay and weaning calves early. Some were forced to sell cows. Cattlemen haven't planted winter grazing for livestock due to the dry soils. Rye and small grain planting progressed, but soil moisture was a concern. There were limited reports of wind damage to

pecan trees, broken limbs, nuts blown from trees last week. Pecan condition decreased slightly. Apple harvest continued.

HAWAII: Late summer weather was fair for crop development. Clear to partly skies mixed with occasionally light to moderate showers. Farm activities were at a normal pace. Spraying for disease, insect control were on a regular schedule. Banana harvesting is heavy. Crop conditions varied from good to fair. Papaya orchards made favorable growth due to beneficial weather conditions. Harvesting will be steady. Head cabbage quality, yield were good. Harvesting will be steady. Tomato plantings made good progress. Harvesting is active, heavy volume.

IDAHO: Days suitable for fieldwork 7.0. Topsoil 8% very short, 35% short, 56% adequate, 1% surplus. Ideal harvest conditions continue. Early sugar beet digs underway. Irrigation supply 1% poor, 5% fair, 44% good, 50% excellent. Alfalfa hay 79% 3rd cutting, 78% 1998, 64% avg. Oats 88% harvested for grain, 95% 1998, 86% avg. Mint 88% harvested, 95% 1998, 94% avg. Dry beans 75% harvested, 38% 1998, 54% avg. Corn 38% harvested for silage, 22% 1998, 30% avg. Corn 2% harvested for grain, 2% 1998, 1% avg. Sweet corn 76% harvested, 83% 1998, 86% avg. Lentils 96% harvested, 98% 1998, 85% avg. Onions 48% harvested, 28% 1998, 47% avg. Peaches 81% harvested, 79% 1998, 89% avg. Prunes, plums 59% harvested, 40% 1998, 73% avg. Apples 9% harvested, 11% 1998, 15% avg. Hops 76% harvested, 66% 1998, 77% avg. Potatoes with vines dead/kill 67%, 57% 1998, 74% avg.; 14% harvested, 15% 1998, 14% avg. Sugar beets 4% harvested, 3% 1998, 4% avg. Winter wheat 11% planted, 13% 1998, 20% avg.; 2% emerged, 3% 1998, 4% avg. Activities: Monitoring for disease, harvesting cereal grains, row crops, preparing for fall planting

ILLINOIS: Days suitable for fieldwork 6.7. Topsoil 40% very short, 46% short, 14% adequate. Farmers took advantage of the dry, cool conditions to make good progress harvesting corn last week. Although soybean harvest is not expected to be in full swing for another week or two, this year's pace is still slightly above 1998, average. Soybeans 89% turning yellow, 78% 1998, 71% avg. Alfalfa 97% 3rd cut, 94% 1998, 92% avg. Other activities: Preparation for seeding wheat, hauling grain.

INDIANA: Days suitable for fieldwork 7.0. Topsoil 66% very short, 31% short, 3% adequate. Subsoil 62% very short, 34% short, 4% adequate. Corn, soybean harvest made good progress. Corn harvest more than two weeks ahead of average. Harvested corn moisture averaging around 19%, soybeans 11.5% moisture content. Very light rainfall, some areas. Topsoil, subsoil extremely dry, most areas of State. Soybean condition declined. Corn 27% good to excellent. Soybean 21% good to excellent. Pastures dried up. Range, pasture feed 44% very poor, 34% poor, 21% fair, 1% good. Feeding hay continues. Tobacco harvest 86% complete, 73% 1998, 66% avg. Activities: Seeding winter wheat, tillage of soils, cleaning and repairing grain bins, preparing harvest equipment, purchasing wheat seed, harvesting tobacco, baling hay, feeding hay, caring for livestock.

IOWA: Days suitable for fieldwork 6.8. Topsoil 17% very short, 43% short, 39% adequate, 1% surplus. Subsoil 13% very short, 32% short, 53% adequate, 2% surplus. Corn, soybeans continue to mature at a rapid pace. Little rain has caused the State's corn to dry down quickly, while soybeans still need rain to fill pods. There are reports of stalk rot, leaf diseases, and rust in corn. Silage is being cut, while harvesting of corn for grain was in the beginning phase. Corn 97% dent stage, 98% 1998, 93% avg.; 79% mature stage, 85% 1998, 60% avg.; 4% harvested, 6% 1998, 3% avg.; 2% very poor, 7% poor, 22% fair, 51% good, 18% excellent. Soybeans 82% leaves changing color, 93% 1998, 84% avg.; 36% leaves dropping, 66% 1998, 48% avg.; 1% harvested, 4% 1998, 3% avg. Soybean 2% very poor, 8% poor, 24% fair, 49% good, 17% excellent. Livestock remain in good condition. Hog farrowing is going well; cattle being fed hay in south central Iowa. Range, pasture feed 9% very poor, 20% poor, 33% fair, 34% good, 4% excellent. Alfalfa 92% 3rd cutting, 86% 1998, 88% avg. Hay 3% very poor, 9% poor, 33% fair, 48% good, 7% excellent.

KANSAS: Days suitable for fieldwork 4.6. Topsoil 9% very short, 40% short, 47% adequate, 4% surplus. Subsoil 8% very short, 34% short,

57% adequate, 1% surplus. Scattered showers fell across the State last week, which helped replenish topsoil moisture, should enable wheat seeding to progress. Wheat seeding, fall harvest continued last week, progress was slow. However, some producers continue to wait for more moisture before planting. Fall harvest was brought to a standstill in some areas by the rainfall with all of the major fall crops showing very little harvest progress. Sunflower 1% very poor, 2% poor, 17% fair, 64% good, 16% excellent. Ray flowers dry 88%, 96% 1998. Bracts 65% turning yellow, 85% 1998. Sunflowers 27% mature, 44% 1998. Sunflowers 6% harvested, 13% 1998. Alfalfa 74% 4th cutting, 77% 1998, 64% avg. Hay, forage supplies 4% short, 84% adequate, 12% surplus. Stock water 15% short, 84% adequate, 1% surplus.

KENTUCKY: Days suitable for fieldwork 5.9. Topsoil 85% very short, 13% short, 2% adequate. Subsoil 84% very short, 14% short, 2% adequate. Temperatures were below normal with slight traces of rainfall. Corn harvest is in full swing while the soybean harvest is just getting underway. Corn 13.5% moisture. Burley 87% cut, 84% 1998, 75% avg. Dark tobacco 86% cut, 86% 1998, 82% avg. Tobacco in field 26% very poor, 39% poor, 27% fair, 7% good, 1% excellent. Housed tobacco is curing too fast. No houseburn 83%, light 11%, 5% moderate, 1% heavy houseburn. Pasture feed 57% poor, 28% poor, 12% fair, 3% good. Hay 55% very poor, 25% poor, 15% fair, 5% good. Hay being fed, water for livestock is being hauled.

LOUISIANA: Days suitable for fieldwork 6.7. Soil moisture 19% very short, 38% short, 41% adequate, 2% surplus. Cotton harvest was underway. Hay 81% final cutting, 76% 1998, 84% avg. Rice 100% ripe, 99% 1998, 97% avg.; harvest edged closer to completion. Soybeans 83% leaves turning, 87% 1998, 73% avg.; harvest was in full swing. Sugarcane 2% poor, 16% fair, 48% good, 34% excellent; 94% planted, 62% 1998, 69% avg. Sweet potatoes 2% very poor, 11% poor, 36% fair, 48% good, 3% excellent; 35% harvested, 31% 1998, 36% avg. Wheat 0% planted, 1% 1998, 1% avg. Livestock 1% very poor, 7% poor, 36% fair, 46% good, 10% excellent. Vegetables 6% very poor, 18% poor, 38% fair, 35% good, 3% excellent.

MARYLAND: Days suitable for fieldwork 3.7. Subsoil 14% very short, 25% short, 38% adequate, 23% surplus. Topsoil 2% short, 55% adequate, 43% surplus. Corn 15% very poor, 30% poor, 41% fair, 13% good, 1% excellent; 90% dent, 88% 1998, 90% avg.; 65% mature, 62% 1998, 58% avg.; 26% harvested for grain, 32% 1998, 20% avg.; 58% harvested for silage, 62% 1998, 59% avg. Soybeans 6% very poor, 11% poor, 36% fair, 36% good, 11% excellent; 17% turned, 33% 1998, 39% avg.; 11% shedding leaves, 16% 1998, 19% avg. Sorghum 27% poor, 48% fair, 24% good, 1% excellent; 70% turning color, 52% 1998, 63% avg.; 24% mature, 9% 1998, 18% avg.; 10% harvested, 9% 1998, 5% avg. Tobacco 83% harvested, 88% 1998, 88% avg. Snap beans 93% harvested, 94% 1998, 93% avg. Lima beans 46% harvested, 64% 1998, 59% avg. Apples 18% fair, 82% good; 49% harvested, 35% 1998, 36% avg. Clover, other hays 86% 3rd cutting, 91% 1998, 76% avg.; 60% 4th cutting, 53% 1998, 35% avg. Alfalfa 39% 4th cutting, 68% 1998, 66% avg. Pasture feed 2% very poor, 15% poor, 35% fair, 39% good, 9% excellent. Hay supplies 12% very short, 47% short, 40% adequate, 1% surplus. Activities: Harvesting of corn, vegetables, many reports about corn lodging due to Hurricane Floyd.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 28% very short, 53% short, 18% adequate, 1% surplus; subsoil 33% very short, 50% short, 17% adequate. Hay 3% very poor, 10% poor, 23% fair, 39% good, 25% excellent. Dry beans 1% poor, 12% fair, 56% good, 31% excellent. Hay 89% 3rd cutting, 87% 1998, 75% avg.; 32% 4th cutting, 27% 1998, 19% avg. Dry beans 95% mature, 94% 1998, 60% avg.; 60% harvested, 70% 1998, 35% avg. Silage 75% harvested, 64% 1998, 36% avg. Soybeans 96% turning leaves, 90% 1998, 71% avg.; 32% mature, 27% 1998, 15% avg. Cooler than normal temperatures occurred across State this past week and rain fell in some areas. Crops maturing at a rapid rate due to dry weather, rain would have been too late for most crops. In some highland areas a light frost came in the middle of the week. Early planted corn being harvested at approximately 20% moisture. Corn silage harvest in full swing as many farmers trying to finish before frost comes. Third cutting of hay nearly completed while 4th cutting continued. Early soybeans combined this week. In southern parts, soybeans too dry, cracking during harvest. Dry bean harvest in full

swing with a good looking crop but rain would help prevent splitting. Yield potential in many sugarbeet fields has gone down because of dry weather. Harvest of Empire, Red Delicious, Golden Delicious, Jonathan apples was underway. Harvest of Concord grapes began early last week. Peach harvest was completed. Cabbage, cauliflower would still respond positively to some rain. Cantaloupe harvest continued with very good yields. Celery yields were good. Onion harvest accelerated. Pumpkin harvest progressed with good quality but smaller sizes. Snap bean harvest was winding down. Sweet corn harvest was nearing completion. Processing tomato harvest was about 75% complete with average yields.

MINNESOTA: Days suitable for fieldwork 5.0. Topsoil 1% very short, 17% short, 60% adequate, 22% surplus. Soybeans 88% turning yellow, 97% 1998, 90% avg.; 14% mature, 45% 1998, 21% avg. Corn 73% silage cut, 90% 1998, 44% avg. Winter wheat 63% seeded, 86% 1998, 80% avg. Rye 66% seeded, 87% 1998, 73% avg. Dry beans 32% harvested, 80% 1998, 54% avg. Sugar beets 7% harvested, 6% 1998, 6% avg. Sweet corn 93% harvested, 97% 1998, 90% avg. Potatoes 33% harvested, 33% 1998, 30% avg. Grain/Hay stubble plowed 53%, 74% 1998, 63% avg. Pasture feed 5% very poor, 13% poor, 25% fair, 48% good, 9% excellent. Sugarbeets 2% very poor, 5% poor, 20% fair, 59% good, 14% excellent. Sunflowers 2% very poor, 11% poor, 36% fair, 45% good, 6% excellent. Dry beans 6% very poor, 16% poor, 38% fair, 36% good, 4% excellent. Late-season crops are in their final maturing stages and harvest is getting underway. Corn silage producers have been surprised at how low the moisture levels have already fallen in corn plants. Soybeans vary widely in maturity, but nearly all fields have begun turning color, drying down. Wet fields have kept many Northwest District producers from harvesting small grain, dry beans.

MISSISSIPPI: Days suitable for fieldwork 6.8. Soil moisture 36% very short, 45% short, 19% adequate. Corn 95% harvested, 95% 1998, 76% avg. Cotton 97% open bolls, 99% 1998, 90% avg.; 23% harvested, 17% 1998, 11% avg.; 4% very poor, 15% poor, 42% fair, 34% good, 5% excellent. Rice 92% mature, 92% 1998, 91% avg.; 61% harvested, 74% 1998, 65% avg.; 2% very poor, 5% poor, 47% fair, 38% good, 8% excellent. Sorghum 95% mature, 83% 1998, 75% avg.; 87% harvested, 89% 1998, 82% avg.; 87% silage harvested, 89% 1998, 82% avg. Soybeans 93% turning color, 90% 1998, 78% avg.; 78% shedding leaves, 67% 1998, 54% avg.; 42% harvested, 27% 1998, 23% avg.; 14% very poor, 19% poor, 34% fair, 27% good, 6% excellent. Sweet potatoes 35% harvested, 29% 1998, 30% avg.; 1% very poor, 2% poor, 17% fair, 75% good, 5% excellent. Hay (warm-season) 91% harvested, 99% 1998, 98% avg. Cattle, 1% very poor, 12% poor, 37% fair, 46% good, 4% excellent. Pasture feed 20% very poor, 26% poor, 37% fair, 15% good, 2% excellent. Dry conditions prevail across the State. Cotton, soybean harvests are well underway.

MISSOURI: Days suitable for fieldwork 6.6. Topsoil 64% very short, 27% short, 9% adequate. Most districts reported very short or short as the most common ratings. Precipitation 0.17 in. Corn harvesting is in full swing over most of the State, other row crops are rapidly maturing. Corn 88% mature, about two weeks ahead of normal for this date; 50% harvested, about six days ahead of 1998, two weeks ahead of normal. Bootheel leads all districts with 95% of the corn harvested, while the northwest district is least advanced with 9% harvested. Soybeans 73% turning color; 41% dropping leaves; 14% reached maturity. The maturing process is similar to 1998, a week ahead of average. Harvesting of soybeans is just getting started in most areas with 3% complete, slightly ahead of average. Sorghum 60% mature, two days behind 1998, 4 days ahead of normal; 29% harvested, nine days ahead of normal. Bootheel leads all districts with 65% of the crop harvested. Cotton 93% opened bolls, about two weeks ahead of the five-year average; 32% harvested, nearly 3 weeks ahead of both 1998 and average. Pasture feed, range continued to decline to 55% very poor, 21% poor, 18% fair, 5% good, 1% excellent. Stock water 27% very short, 28% short, 45% adequate. In the northeast, central, south-central, southeast districts over 70% of the stock water supplies are very short to short.

MONTANA: Days suitable for fieldwork 6.0. Topsoil 19% very short, 36% short, 45% adequate. Subsoil 23% very short, 39% short, 38% adequate. Slightly warmer, significantly dryer across much of the State. Sugar beets 7% harvested, 3% 1998, 3% avg. Spring wheat 96% ripe, 100% 1998, 99% avg. Barley 96% ripe, 100% 1998, 99% avg. Oats 96%

ripe, 100% 1998, 99% avg.; 88% harvested, 99% 1998, 93% avg. Corn for silage 48% harvested, 65% 1998, 50% avg. Potatoes 2% harvested, 2% 1998, 5% avg. Dry beans 71% harvested, 80% 1998, 74% avg. Alfalfa 90% 2nd cutting, 96% 1998, 94% avg. Cattle, calves moved from summer ranges 26%, 22% 1998, 18% avg. Sheep, lambs moved from summer ranges 25%, 24% 1998, 22% avg. Farmers were able to get out into their fields, make progress in harvesting crops, seeding winter wheat. However, late seedings of small grains in the spring, recent cooler, wetter conditions have delayed harvest in some areas as crops are not yet mature. These delays are primarily in the north central, central, northeast parts of the State.

NEBRASKA: Days suitable for fieldwork 6.8. Topsoil 9% very short, 33% short, 56% adequate, 2% surplus. Subsoil 8% very short, 28% short, 63% adequate, 1% surplus. Temperatures 4 to 7° below normal. Precipitation was light. Corn 2% very poor, 6% poor, 23% fair, 52% good, 17% excellent; dryland corn 56%, irrigated corn 77% good to excellent. Corn dented moved to 97% behind 100% 1998, ahead of 94% avg.; corn 44% mature, behind 78% 1998, near 42% avg. Soybean 5% very poor, 11% poor, 31% fair, 43 good, 10% excellent; coloring 85%, behind 95% 1998, ahead of 80% avg.; 35% dropping leaves, below 64% 1998, 45% avg.; 1% harvested, 4% 1998, 4% avg. Sorghum 87% turning color, 98% 1998, 89% avg.; 21% mature, behind 48% 1998, 31% avg.; 1% very poor, 6% poor, 37% fair, 50% good, 6% excellent. Dry beans 93% dropping leaves, above 90% 1998, 86% avg.; harvested 53%, ahead of 51% 1998, 49% avg. Millet 33% harvested. Alfalfa 2% very poor, 7% poor, 33% fair, 50% good, 8% excellent; alfalfa 35% 4th cutting, ahead of 23% 1998, 25% avg. Pasture feed, range 4% very poor, 14% poor, 33% fair, 42% good, 7% excellent. Some pastures were providing poor grazing potential due to dry conditions. Producer activities included moving grain, cutting silage, harvest preparation, tillage of wheat stubble and livestock care.

NEVADA: Temperatures throughout the State normal to slightly above normal. Scattered showers brought precipitation to most regions of the State with Ely receiving the majority, with 0.37 in. of precipitation. Majority of irrigation water supply remained adequate, irrigation continued. Alfalfa 3rd cutting was wrapping up, 4th cutting was progressing well. Some rain damage was reported due to the rain showers. Harvest of other hay neared completion. Grain harvest was completed, alfalfa seed harvest was near completion. Onion harvest was in full force. Potato harvest commenced. Main farm and ranch activities: Irrigation, haying, planting, finishing alfalfa seed harvest, and working livestock.

NEW ENGLAND: Days suitable for fieldwork 5.0. Topsoil 4% very short, 6% short, 60% adequate, 30% surplus. Subsoil 19% very short, 16% short, 50% adequate, 15% surplus. Pasture feed 19% very poor, 26% poor, 35% fair, 17% good, 3% excellent. Maine potatoes 20% harvested, 10% 1998, 15% avg.; excellent to good. Massachusetts potatoes 60% harvested, 70% 1998, 65% avg.; good to fair. Rhode Island potatoes 65% harvested, 50% 1998, 55% avg.; fair to poor. Oats in Maine 95% harvested, 85% 1998, 75% avg.; good to excellent. Barley in Maine 99% harvested, 90% 1998; good to excellent. Field corn 50% harvested, 20% 1998, 20% avg.; good to fair. Sweet corn 95% harvested, 90% 1998, 95% avg.; good to fair. Shade Tobacco 99% harvested, 100% 1998, 100% avg.; condition good. Broadleaf Tobacco 99% harvested, 100% 1998, 100% avg.; condition good. Second cut hay 95% harvested, 90% 1998, 85% avg.; good to fair. Third cut hay 65% harvested, 50% 1998, 55% avg.; condition fair. Apples 45% harvested, 35% 1998, 30% avg.; size average to below average, condition good. Peaches 95% harvested, 95% 1998, 95% avg.; size average to below average, condition fair. Pears 40% harvested, 40% 1998, 50% avg.; size below average; fair to poor. Cranberries <5% harvested, <5% 1998, 5% average, size average; good to excellent. Highbush blueberries 99% harvested, 100% 1998, 99% avg.; size average, good to fair. The remnants of Hurricane Floyd and a previous rain system delivered much needed moisture; as much as twelve inches in Vermont. Major farm activities included: harvesting tree fruits, potatoes, late season vegetables; chopping silage corn; cutting hay; spreading manure, disking harvested fields.

NEW JERSEY: Days suitable for field work averaged four days. Temperatures averaged near normal. Rainfall 8.29 in. north, 5.15 in. central, 4.20 in. south. Heaviest 24 hour total was 8.49 in. at Flemington on the 16th to the 17th. Estimated soil moisture, in percent of field capacity,

this past week averaged 93% north, 89% central, 84% south. Four inch soil temperatures 68° north, 69° central, 70° south. Irrigation water supply is between adequate and surplus in most areas. Planting of small grains, cover crops is underway in areas of southern areas. Harvest of grain corn has started earlier than normal in some areas of south, central areas. Well below average corn yields have been reported. Harvest of corn silage is also underway with low production and poor quality being reported. In some areas, silage production has been reduced due to the high content of nitrate in corn plants stalks. Soybeans between fair and poor in most areas. Delayed progress has been reported on many double crop soybean fields that have recovered well after the recent rains. However, many soybean farmers are concerned about the consequences of having an early frost. Prospects for a second (delayed) or third cutting of hay have improved significantly. Pasture condition continues to improve. Harvest of summer vegetables such as tomatoes, peppers, snap beans, cucumbers, eggplant and escaroles continued. Harvest of fall vegetables such as cabbage, lettuce and spinach is underway. Excess moisture is causing disease problems in the remaining tomato, pepper fields across south, central areas. Fall vegetables between good and fair, however, some insect problems have been reported in cabbage, lettuce fields. Excess moisture is expected to affect the quality, possibly the production of many vegetable crops. Sweet potato harvest is underway, overall quality is good. Harvest of peaches is nearing completion. Harvest of apples is picking up rapidly, quality has been reported to be from excellent to good. Some farmers have reported sizes smaller than usual.

NEW MEXICO: Days suitable for fieldwork 6.0. Clouds, showers held temperatures below normal at most locations. Statewide 3° below normal. All reporting locations received some precipitation, although light in the southeast, northwest. Widespread showers hampered hay harvest, already plagued by rains this season; 4th cutting wrapped up, 5th, 6th underway. Summer potato harvest winding down, with other vegetable in progress. Land preparation, planting new alfalfa fields active. Chile, corn silage harvest made good progress despite rains. Some hail damage in east to cotton, peanuts in small areas. Boll weevil control in cotton continuing. Rains boosted sorghum outlook, will help restart planting fall wheat where dry soils had stalled progress. Ranchers reported good weight gains with no supplemental feeding; some shipping early calves. Pasture feed, range 1% very poor, 3% poor, 32% fair, 53% good, 11% excellent. Cattle, sheep remained in mostly good to excellent.

NEW YORK: Days suitable for fieldwork 5.1. Soil moisture 6% very short, 41% short, 29% adequate, 24% surplus. Pasture feed 2% very poor, 24% poor, 55% fair, 19% good. Hay 50% fair, 50% good. Alfalfa 88% 3rd cutting% complete, 75% 1998, 73% avg. Corn silage 64% harvested, 26% 1998, 19% avg. Potato harvest gained momentum. Dry bean harvest continued. Vegetable harvesting continued, getting close to finishing up. Concord grape harvest in Lake Erie region began. Grape harvest in Finger Lakes region 50% complete. Late wine varieties remain for harvest. Apple harvest near 20% complete. Hurricane Floyd caused moderate drops in eastern orchards. Livestock in good condition.

NORTH CAROLINA: Days suitable for fieldwork 4.8, 4.2 last week. Soil moisture 17% very short, 16% short, 22% adequate, 45% surplus. Weather was a tale of two extremes. Overriding activity in the eastern part of the State was to prepare for Hurricane Floyd and its aftermath, while the western part of the State is still suffering from the persistent dry weather. It is still too early to assess the extent of the damage from Hurricane Floyd, but the flooding possibly the worst natural disaster the State has ever seen. Many of the eastern counties are still dealing with the flooding caused by the heavy rainfall amounts associated with the storm. Many crops in the east will be partially or totally ruined, while many livestock farms experienced losses in animals, infrastructure. Meanwhile most of the Piedmont, Mountain Regions received little or no rainfall from the hurricane, harvesting of tobacco, apples continued as normal. Aside from hurricane preparation previously mentioned, the major activities of the week were tobacco harvesting, marketing, harvesting of sweetpotatoes, and corn for grain and silage harvest. Other tasks included baling hay, harvesting apples and vegetables, tending livestock and land preparation and planting of small grains.

NORTH DAKOTA: Days suitable for fieldwork 4. Continued dry weather and warm temperatures are needed to allow producers to complete the

small grain harvest. Quality of small grain is being affected by sprout and moisture damage. Topsoil 8% short, 79% adequate, 13% surplus. Subsoil 8% short, 78% adequate, 14% surplus. Durum wheat 45% combined, 97% 1998, 85% avg. Canola 66% combined, 97% 1998. Corn for grain 28% ripe, 63% 1998, 45% avg. Corn for silage 13% chopped, 42% 1998, 35% avg. Dry edible beans 80% mature, 100% 1998, 98% avg.; 38% cut, 93% 1998, 67% avg.; 19% combined, 83% 1998, 51% avg. Flaxseed 41% combined, 91% 1998, 59% avg. Potatoes 67% vines killed, 93% 1998, 88% avg.; 21% dug, 45% 1998, 37% avg. Soybeans 81% lower leaves yellowing, 96% 1998, 97% avg.; 41% mature, 76% 1998, 71% avg. Sugar beets 8% lifted, 6% 1998, 6% avg. Sunflowers 60% bracts turned yellow, 94% 1998, 89% avg.; 22% bracts turned brown, 53% 1998, 48% avg. Cool, damp weather continues to slow the development of row crops. Emerged crop condition: durum 4% very poor, 16% poor, 43% fair, 34% good, 3% excellent; corn for grain 2% very poor, 6% poor, 22% fair, 61% good, 9% excellent; corn for silage 4% poor, 26% fair, 59% good, 11% excellent; dry edible beans 1% very poor, 12% poor, 32% fair, 42% good, 13% excellent; flaxseed 1% very poor, 5% poor, 32% fair, 50% good, 12% excellent, potatoes 7% poor, 11% fair, 43% good, 39% excellent; soybeans 3% very poor, 10% poor, 23% fair, 56% good, 8% excellent; sugar beets 1% very poor, 5% poor, 12% fair, 54% good, 28% excellent; sunflower 1% very poor, 6% poor, 29% fair, 51% good, 13% excellent. Stockwater 1% short, 91% adequate, 8% surplus.

OHIO: Days suitable for fieldwork 6.8. Topsoil 42% very short, 46% short, 12% adequate% surplus. Soybeans 84% dropping leaves, 72% 1998, 54% avg.; 45% mature, 25% 1998, 17% avg.; 13% harvested, 5% 1998, 3% avg. Alfalfa hay 57% 4th cutting, 47% 1998. Other hay 86% 3rd cutting, 81% 1998, 66% avg. Corn 65% mature, 38% 1998, 21% avg.; 59% harvested for silage, 38% 1998, 24% avg.; 7% harvested for grain, 5% 1998, 2% avg. Winter wheat 1% planted, 0% 1998, 2% avg. Fall, winter apples 32% harvested, 30% 1998, 17% avg. Grapes 34% harvested. Tobacco 78% harvested, 78% 1998. Processing tomatoes 80% harvested, 72% 1998, 61% avg. Potatoes 76% harvested, 70% 1998, 51% avg. Pasture feed 21% very poor, 36% poor, 31% fair, 11% good, 1% excellent. Corn 11% very poor, 19% poor, 32% fair, 33% good, 5% excellent. Soybeans 8% very poor, 16% poor, 34% fair, 36% good, 6% excellent. Activities include: Harvesting corn, soybeans; land leveling; hauling 1998 grain; constructing waterways; cleaning out bins; chopping weeds; mowing hay; building grain bins; plowing; scouting vegetables; inspecting Christmas trees; spreading manure; building fences; chopping silage; picking tomatoes, peppers, carrots, parsley. 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 and squash; beetles in soybeans and corn. Reported diseases include sudden death syndrome, white mold in soybeans; gray leaf spot, aflatoxin, and fungus on corn; brown stem rot; Stewart's wilt in corn; mildew on vegetables. The fruit, vegetable crops range from good to poor across the state. A Harrison county reporter indicated apples were small in size but the quantity of the crop was good. Pumpkins are small in Wayne county. Pastures, grasses are mostly dry with very little or no regrowth. Livestock have fared better with cooler temperatures. Water shortage problems still exist as well as mastitis, light weight calves.

OKLAHOMA: Days suitable for fieldwork 4.4. Subsoil 8% very short, 23% short, 69% adequate. Topsoil 6% very short, 26% short, 66% adequate, 2% surplus. Dry weather permits sowing of wheat, other small grains. Wheat 85% seedbed prepared, 73% 1998, 83% avg. Oats 82% seedbed prepared, 59% 1998, 70% avg.; 4% planted, 7% 1998, 9% avg. Corn 1% very poor, 1% poor, 7% fair, 90% good, 1% excellent; 97% mature, 97% 1998, 68% avg.; 54% harvested, 73% 1998, 45% avg. Soybeans 1% very poor, 8% poor, 53% fair, 36% good, 2% excellent; 83% setting pods, 97% 1998, 96% avg.; 42% mature, 73% 1998, 47% avg.; 17% harvested, 26% 1998, 15% avg.; Peanuts 17% mature, 47% 1998, 33% avg.; Alfalfa Hay 1% very poor, 5% poor, 42% fair, 50% good, 2% excellent; 72% 4th cutting, 42% 1998, 72% avg.; 11% 5th cutting, 4% 1998, 14% avg.; Other Hay 66% 2nd cutting, 22% 1998, 72% avg.; Livestock 1% poor, 27% fair, 67% good, 5% excellent. Feeder steer price, at \$80 per cwt., highest of 1999.

OREGON: Days suitable for fieldwork 7. Topsoil 50% very short, 36% short, 14% adequate. Subsoil 53% very short, 30% short, 16% adequate, 1% surplus. Barley 73% harvested, 90% 1998, 84% avg. Spring wheat

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

PENNSYLVANIA: Days suitable for fieldwork 4.3. Soil moisture 10% very short, 29% short, 32% adequate, 29% surplus. Corn dough 91% complete, 96% 1998, 96% avg.; 69% dent, 71% 1998, 71% avg.; 29% mature, 23% 1998, 27% avg.; 11% harvested complete, 5% 1998, 5% avg. Ensilage corn harvested 60% complete, 37% 1998, 32% avg. Soybean 24% very poor, 29% poor, 23% fair, 20% good, 4% excellent. Wheat planted 8% complete, 5% 1998, 19% avg. Barley planted 29% complete, 19% 1998, 22% avg. Barley emerged 17% complete, 9% 1998. Tobacco harvest 70% complete, 97% 1998, 92% avg. Potato harvest 41% complete, 52% 1998, 45% avg. Alfalfa 3rd cutting 85% complete, 84% 1998, 79% avg. Alfalfa 4th cutting 42% complete, 48% 1998, 41% avg. Timothy clover 2nd cutting 89% complete, 90% 1998, 91% avg. Quality of hay made 14% very poor, 16% poor, 26% fair, 22% good, 22% excellent. Apple harvest 36% complete, 38% 1998, 37% avg. Apple condition 2% very poor, 8% poor, 22% fair, 53% good, 15% excellent. Peach harvest 97% complete, 94% 1998, 93% avg. Grape harvest 15% complete, 27% 1998, 31% avg. Fall plowing 33% complete, 32% 1998, 41% avg. Activities include harvesting corn, soybeans, fruits, vegetables, potatoes, corn silage and tobacco; planting barley, wheat and cover crops; machinery maintenance; filling silos; hauling manure; pumping and spreading manure; spreading lime; caring for livestock; cutting hay; and plowing for the fall.

SOUTH CAROLINA: Days suitable for fieldwork 4.9. Soil moisture 15% very short, 25% short, 40% adequate, 20% surplus. Hurricane Floyd hit eastern, coastal counties with varying amounts of rain, wind, crop damage; western, mountain counties received no rain, continue to suffer from the severe, extended drought. Apples 57% harvested, 42% 1998, 54% avg.; 28% poor, 63% fair, 9% good. Corn 95% harvested, 91% 1998, 82% avg. Livestock 1% very poor, 11% poor, 40% fair, 37% good, 11% excellent. Grapes 33% poor, 50% fair, 17% good. Pasture feed 17% very poor, 32% poor, 41% fair, 10% good. Sorghum 100% headed, 100% 1998; 95% turned color, 95% 1998; 68% matured, 65% 1998; 45% harvested, 42% 1998, 43% avg.; 26% very poor, 41% poor, 29% fair, 4% good. Sweet potatoes 15% harvested, 24% 1998, 18% avg.; 6% poor, 81% fair, 13% good. Tobacco 97% harvested, 97% 1998, 97% avg.; 72% stalks destroyed, 70% 1998, 69% avg. Winter grazings 10% planted, 21% 1998, 19% avg. Winter wheat 6% planted. Barley 3% planted. Oats 2% planted. Rye 3% planted.

SOUTH DAKOTA: Days suitable for fieldwork 5.8. Topsoil 3% very short, 12% short, 73% adequate, 12% surplus. Subsoil 1% very short, 13% short, 74% adequate, 12% surplus. Alfalfa is 1% very poor, 3% poor, 22% fair, 54% good, 20% excellent; 2nd cutting complete 98%; 3rd cutting complete 66%, 78% 1998, n/a avg. Other hay harvested is 94%. Sorghum harvested for silage 29%, 38% 1998, 26% avg. Soybeans mature 12%, 50% 1998, 33% avg. Sunflower 3% poor, 18% fair, 63% good, 16% excellent; ray flowers dry 92%, 98% 1998, 97% avg.; bracts yellow 76%, 89% 1998, 80% avg.; mature 18%, 50% 1998, 33% avg.; harvested 0%, 10% 1998, 3% avg. Flaxseed 26% fair, 66% good, 8% excellent; harvested 91%, 98% 1998, 91% avg. Corn harvested for silage

59%, 71% 1998, 39% avg. Winter rye seeded 43%, 59% 1998, 60% avg.; emerged 21%, 35% 1998, 29% avg. Stock water supplies 4% short, 85% adequate, 11% surplus. Cattle 1% poor, 5% fair, 66% good, 28% excellent. Sheep 1% poor, 5% fair, 53% good, 41% excellent.

TENNESSEE: Days suitable for fieldwork 7.0. Topsoil 81% very short, 17% short, 2% adequate. Subsoil 75% very short, 22% short, 3% adequate. Weather conditions remained mostly dry last week, some areas did receive rain late September 19th, early on the 20th. Corn 89% harvested for grain, 65% 1998, 45% avg.; 97% silage harvested, 92% 1998, 86% avg. Burley 89% harvested, 69% 1998, 76% avg. Dark Air Cured 97% harvested, 77% 1998, 83% avg. Dark Fire Cured 88% harvested, 79% 1998, 80% avg. Pasture feed 61% very poor, 30% poor, 8% fair, 1% good. Hay stocks 15% very short, 35% short, 47% adequate, 3% surplus. Farmers across the State are harvesting this year's corn crop at a feverish pace, nearly a month ahead of normal. Farmers in the western part of the State have virtually finished, while those in Middle, East areas are running well ahead of normal. Harvesting of corn for silage was nearly completed last week, tobacco harvest made good progress. Currently, only about 10% of both burley, dark fire-cured tobacco remain to be harvested, almost two weeks ahead of the five-year average. By week's end, nearly all the State's dark air-cured tobacco had been harvested. Cattle producers continued feeding hay, moving animals to market as pastures dry up.

TEXAS: Moderated temperatures continued throughout the state while showers increased in the Plains and North Texas. South Texas was still drying out while showers remained scattered in the remainder of the State. Land preparation continued slow in most locations due to continued dry conditions. Mostly open weather allowed harvest activities to progress smoothly. Livestock conditions remained fair to good, as supplemental feeding continued. Water available for livestock continued to decline in most areas.

Field Crops: Small Grains: Seeding of wheat and oats continued, however, dry planting was necessary in many locations. Irrigation continued where possible and emergence was strong in these areas. Oats 15% published, 19% 1998, 1% avg. Corn: Harvest continued to expand on the High Plains however, heavy rain and hail occurred in some locations. Harvest was almost finished in the remainder of the state. Markets continue to be weak. Corn condition was rated at 89% of normal compared with 65% 1998. Cotton: Generally good growth and development continued in the Plains as beneficial amounts of moisture fell in some locations. Dry land fields received needed moisture in these same areas and maturity continued to increase. Boll weevil eradication spraying continued in some areas. Harvest continued in the Coastal Bend, Blacklands, Central Texas with good yields reported. Cotton stalk destruction continued however, the deadline was extended for some southern counties. Harvest continued to expand on the High Plains. Cotton 60% of normal compared with 45% 1998. Peanuts: Harvest continued to expand in Plains, Central and South Texas. Dry land fields received some moisture from scattered showers. Irrigation was mostly discontinued as harvest approached. Some spraying for diseases was still occurring but winding down. Statewide peanut condition was rated at 78% of normal compared with 55% 1998. Rice: Harvest was mostly complete along the Upper Coast with very good yields and excellent quality reported. Flooding of the second crop was underway. Sorghum: Harvest continued to expand on the Plains under generally cooler conditions as the crop matured. Heavy rain was reported in some locations which delayed harvest. Sorghum condition was rated at 69% of normal compared with 50% 1998; 98% headed, 100% 1998, 100% avg. Soybeans: Progress and development remained good on the High Plains as local showers and cooler conditions occurred. Irrigation declined as fields neared maturity. Harvest was completed in the Blacklands and Upper Coast.

Commercial Vegetables: Rio Grande Valley, land preparation continued to be limited by wet fields. San Antonio-Winter Garden, some planting of fall vegetables continued. Scattered showers were limited. East Texas, sweetpotato and watermelon harvest mostly completed. Harvest of other vegetables and planting of fall crops remained slow. High Plains, vegetable harvest was completed. Trans Pecos, vegetable harvest was completed. Peaches: Peach harvest was mostly completed on the High Plains. Pecans: Some limb breakage has occurred as a result of a good set even though nut drop has continued. Insects were still a problem in most areas.

Range and Livestock: Available livestock water continued to decrease and supplemental feeding continued to increase as pastures declined.

Grass fires continued to be a problem in Central Texas and the Edwards Plateau while conditions improved slightly in the High Plains. Poultry operations continued to benefit from the slightly cooler temperatures.

UTAH: Days suitable for fieldwork 6. Topsoil 12% very short, 21% short, 67% adequate. Subsoil 11% very short, 21% short, 68% adequate. Pasture feed, range 2% very poor, 10% poor, 33% fair, 47% good, 8% excellent. Corn 83% dough stage, 81% 1998, 62% avg.; 33% dent stage, 42% 1998, 33% avg.; 14% mature, 11% 1998, 22% avg. Corn silage 15% harvested 14% 1998, 18% avg. Alfalfa hay 85% 3rd cutting, 79% 1998, 74% avg; 22% 4th cutting, 20% 1998, 16% avg. Alfalfa seed 28% harvested, 42% 1998, 37% avg. Oats 95% harvested for grain, 89% 1998, 89% avg. Peaches 79% picked, 78% 1998, 90% avg. Pears 81% picked, 64% 1998, 81% avg. Apples 20% picked, 9% 1998, 22% avg. Potatoes 14% harvested, 9% 1998, 17% avg. Onions 38% harvested, 38% 1998, 40% avg. Dry beans 80% harvested, 89% 1998, 33% avg. Cattle moved from summer range 27%, 16% 1998, 25% avg. Sheep moved from summer range 19%, 12% 1998, 19% avg. Irrigation water supply 9% very short, 15% short, 69% adequate, 7% surplus. Stock water supplies 2% very short, 17% short, 78% adequate, 3% surplus. Major activities included: Harvesting hay, fruit and vegetables, and preparing land for fall planting and irrigating. Thunder showers in southern areas have delayed some fall planting.

VIRGINIA: Days suitable for fieldwork 4.0. Topsoil 9% very short, 18% short, 45% adequate, 28% surplus. Subsoil 19% very short, 31% short, 37% adequate, 13% surplus. Pastures feed 8% very poor, 24% poor, 33% fair, 28% good, 7% excellent. Livestock 2% very poor, 8% poor, 38% fair, 46% good, 6% excellent. Hay, Other 8% very poor, 21% poor, 43% fair, 26% good, 2% excellent. Hay, Alfalfa 1% very poor, 10% poor, 30% fair, 50% good, 9% excellent. Corn for Grain 99% dough, 99% 1998, 99% avg.; 88% dented, 91% 1998, 90% avg.; 70% mature, 78% 1998, 71% avg.; 23% harvested, 48% 1998, 32% avg.; 17% very poor, 31% poor, 29% fair, 20% good, 3% excellent. Corn for Silage 74% harvested, 79% 1998, 59% avg. Soybeans 100% blooming, 100% 1998, 99% avg.; 94% setting pods, 96% 1998, 94% avg.; 12% dropping leaves, 17% 1998, 7% avg.; 6% very poor, 12% poor, 30% fair, 45% good, 7% excellent. Winter wheat 1% seeded, 10% 1998, 4% avg. Barley 3% seeded, 0% 1998, 3% avg. Tobacco, Flue Cured 65% harvested, 60% 1998, 68% avg. Tobacco, Burley 83% harvested, 71% 1998, 66% avg. Tobacco, Dark Fire Cured 87% harvested, 88% 1998, 87% avg. Tobacco, Sun Cured 95% harvested, 94% 1998, 86% avg. Peanuts 0% dug, 8% 1998, 9% avg.; 0% combined, 0% 1998, 2% avg.; 1% very poor, 1% poor, 71% fair, 24% good, 3% excellent. Cotton 50% bolls opening, 94% 1998, 60% avg.; 75% fair, 25% good. Apples, All 4% very poor, 11% poor, 40% fair, 39% good, 6% excellent. Apples, Fall 34% harvested, 23% 1998, 37% avg. Apples, Winter 5% harvested, 0% 1998, 3% avg. Peaches 100% harvested, 100% 1998, 99% avg. Fieldwork was limited by excessive amounts of rainfall across much of the Commonwealth during the past week. Increased precipitation and high winds associated with Hurricane Floyd caused crop damage in many localities along the Eastern Shore and Southeastern State. Reported damage includes lodging of plants, bruising or loss of leaves from tobacco plants, splitting and spoiling of vegetables, as well as, splitting or dropping of fruit from apple trees. The majority of the damage, however, will not be determined until harvest is complete. Wet field conditions will delay harvest of field crops such as corn, tobacco, and peanuts causing reduced quality and yield. Peanut producers may have been the worst hit by Hurricane Floyd. Fields range from wet to completely under water. Prior to Tropical Storm Dennis and Hurricane Floyd peanut producers were preparing to harvest a bumper crop. Producers are currently unable to say when fields will be dry enough to adequately support equipment. Wet fields are particularly susceptible to increased plant, root diseases which can affect quality. Delayed harvest will also result in over ripening of plants. As plants over ripen they begin to drop pods, in effect reducing yields. Emergency generators have been necessary in isolated areas to provide power to tobacco curing barns and bins used to dry grain corn. Small grain seeding began on a limited basis. Progress will be slow however since much of the small grain acres follow another crop, most of which have not yet been harvested. In contrast Central Virginia actually benefitted from showers received during the last week. The increased rain brought about improved conditions of pastures and hay fields. The condition of soybean acreage improved as well.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 25% very short, 50% short, 25% adequate. Subsoil 15% very short, 61% short, 24% adequate. Cool nights, warm days were favorable for emergence in areas with adequate moisture. The warm dry conditions were slowing planting in areas where subsoil moisture was to deep for deep furrow drills to reach. Winter wheat 59% planted, 59% 1998, 54% avg.; 25% emerged, 29% 1998, 31% avg. Planting of winter wheat continued. Some areas were being re-seeded due to heavy cheat grass infestations. Spring wheat, harvested, 98%, 100% 1998, 100% avg. Barley, harvested 99%, 100% 1998, 99% avg. Potatoes harvested, 41%, 37% 1998, 34% avg. Potatoes, 10% fair, 45% good, and 45% excellent. Hay and other roughage supplies were 1% very short, 4% short, 70% adequate and 25% surplus. Range and pasture, 23% very poor, 38% poor, 29% fair, 8% good, 2% excellent. Harvest for barley and spring wheat was winding down. Winter canola was emerging and appeared healthy. Hay harvest was nearly complete. Sweet corn harvest continued. Gala apple harvest was set to begin early this week, Red Delicious harvest was slated to begin in two weeks. Weather conditions have been excellent for fruit development, as well as, harvesting. Grape producers were harvesting Niagra juice grapes, blueberry harvest was nearly completed.

WEST VIRGINIA: Days suitable for fieldwork 5.8. Topsoil 40% very short, 49% short, 11% adequate. Despite rain in some areas, inadequate moisture supplies continue to affect crop, livestock and pasture conditions throughout the State. Livestock producers continue struggle with short hay and water supplies. Hay 30% very poor, 45% poor, 22% fair, 3% good; Hay 2nd cut 84%, 94% 1998, 91% avg.; 50% 3rd cut, 66% 1998, 61% avg. Corn 14% very poor, 54% poor, 30% fair, 2% good; 95% doughing, 94% 1998, 94% avg.; 67% dent, 65% 1998; 58% mature, 39% 1998, 46% avg. Soybeans 5% very poor, 23% poor, 47% fair, 25% good; 97% setting pods, 99% 1998, 100% avg.; 41% dropping leaves, 68% 1998, 60% avg. Tobacco 16% very poor, 13% poor, 29% fair, 42% good; 99% topped, 99% 1998, 100% avg.; 40% harvested, 59% 1998, 76% avg. Apples 9% very poor, 27% poor, 37% fair, 25% good, 2% excellent; Apples harvest 19%, 53% 1998. Cattle 4% very poor, 15% poor, 55% fair, 25% good, 1% excellent. Sheep 1% very poor, 14% poor, 53% fair, 25% good, 7% excellent.

WISCONSIN: Days suitable for fieldwork 6.4. Soil moisture 16% very short, 35% short, 46% adequate, 3% surplus. Rainfall since March 29th remains above the 30-year normal. With the exception of the northwest, north central districts, most of the state has not received significant rain during the past four weeks. Rainfall which accumulated during May and June has kept state totals high for the growing season. Corn for grain harvest has started on a limited basis with producers opening fields, testing grain moisture. Corn silage harvest continued at a quick pace last week with the dry conditions; 2 weeks ahead of the five-year average. Soybean harvest also started on a very limited scale last week. Soybean producers started to harvest in the east central, south central districts. Dry, cooler conditions continued to push maturity ahead of normal, dried the crop down rapidly. Soybeans were rapidly turning and shedding leaves last week. The first chance for a hard frost for many areas could come this week and spur corn, soybean maturity. Soybean 92% leaves turned, 96% 1998, 80% avg.; 57% dropping leaves, 68% 1998, 36% avg.; 2% poor, 10% fair, 53% good, 35% excellent. Dry conditions and cool nights have slowed pasture growth and have caused conditions to slip, especially in the Southeast. More third and fourth crop hay was harvested last week, but some is being left in the field. Some producers have harvested enough forage and are leaving growth to catch winter snow. Third crop hay harvested: 90% 1999, 93% 1998, 79% avg. Fourth crop hay harvested: 32% 1999, 40% 1998. Fall Tillage had reached 14% complete last week as producers prepare for fall alfalfa, winter wheat, cover crop seeding. Dry soils have made chisel plowing difficult. Apple harvest made good progress last week, fruit is in ample supply. Winds in Door County knocked some apples to the ground before they could be picked. Pasture feed 2% very poor, 7% poor, 33% fair, 46% good, 12% excellent.

WYOMING: Days suitable for fieldwork 6.3. Topsoil 1% very short, 27% short, 72% adequate. Temperatures cooler than normal with widely scattered light precipitation. Spring wheat 94% harvested, 95% 1998, 96% avg. Barley 94% harvested, 92% 1998, 95% avg. Oats 87% harvested, 93% 1998, 92% avg. Corn 83% dented, 92% 1998, 90% avg.; 59% mature, 53% 1998, 54% avg. Corn 55% harvested for silage, 49% 1998, 57% avg.; 5% fair, 91% good, 4% excellent. Dry beans 84%

windrowed, 88% 1998, 92% avg.; combined 48%, 53% 1998, 62% avg.; 9% very poor, 9% fair, 77% good, 5% excellent. Sugar beets 7% harvested, 0% 1998, 2% avg.; 11% fair, 69% good, 20% excellent. Alfalfa 98% 2nd cutting, 96% 1998, 96% avg.; 32% 3rd cutting, 43% 1998, 47% avg. Winter wheat 86% planted, 91% 1998, 85% avg.; 65% emerged, 50% 1998, 51% avg. Range, pasture feed 18% fair, 72% good, 10% excellent. Livestock 93% good, 7% excellent.