



Washington, D.C.

Weekly Weather and Crop Bulletin State Stories

Released August 10, 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 6.9. Soil moisture supplies continues to decline because of hot, dry conditions. Topsoil 28% very short, 48% short, 24% adequate, 0% surplus. Dry condition have begun to impact crops yield potential, especially cotton, soybeans. Corn 83% doughed, 71% dented, 85% 1998, 86% avg.; 42% mature, 60% 1998, 50% avg.; 4% harvested, 23% 1998, 12% avg.; 9% poor, 26% fair, 48% good, 17% excellent. Pasture feed 5% very poor, 15% poor, 37% fair, 41% good, 2% excellent. Livestock 3% poor, 23% fair, 59% good, 15% excellent.

ALASKA: Days suitable for fieldwork 3.5. Topsoil 5% short, 95% adequate, Subsoil 15% short, 85% adequate. Weather conditions for the week were mild, damp. Daytime high temperatures were in the sixties, seventies, although eighties were not uncommon in the Tanana Valley. Lows were in the forties, fifties. Oats 80% in dough or earlier, 20% turning color. Barley 70% in dough, 30% turning color. Barley 10% poor, 30% fair, 50% good, 10% excellent. Hay 85% harvested. Average height of second crop hay, 13". Potato plants 80% bloomed. Wind damage to small grain crops, 85% none, 10% light, 5% moderate. Major activities included: Harvesting vegetables, weed control, cutting hay, harvesting hay when conditions allowed, grass seed harvest, machinery repair.

ARIZONA: Cotton continues to progress. Alfalfa harvest activity was reported as 35% not being harvested, 5% light, 19% moderate, 41% active. Alfalfa 2% poor, 21% fair, 65% good, 12% excellent. Monsoon rains continue to cause improvements to Range, Pasture feed. Last week central areas producers shipped a variety of melons including cantaloupe, crenshaw, golden honeydew, honeydew, orange flesh, santa claus, watermelons. Central Areas also shipped flame seedless grapes, parsley.

ARKANSAS: Days suitable for fieldwork 7. Topsoil 35% very short, 53% short, 12% adequate, 0% surplus. Summer continues with temperatures above normal, rainfall almost non-existent throughout the state. Most areas in the state had zero rainfall for the entire week. For the counties reporting rain it occurred late in the week with the higher totals on Sunday. Most crops were reported in good condition. Livestock were reported in good condition, but the hot, humid weather was causing deaths in poultry, livestock. The main farm activities were: Fertilizing cotton, corn, rice, warm season forages, finishing harvesting hay, planning for fall pastures. Other activities: Irrigating corn, soybeans, cotton, sorghum, rice, draining of rice, cultivating cotton, spraying cotton for boll weevils, bullworms, other fields for insects, weeds, putting down lime, scouting for sheath blight in rice, scouting, treating webworms in soybeans, spraying of rice, cotton, soybean fields for weeds, tree fruit, small fruit harvesting, melon harvesting, dusting, ear tagging cattle for external parasites, giving Brucellosis vaccinations, weaning calves. Cotton 99% setting bolls, 1% opening bolls, condition 5% poor, 29% fair, 48% good, 18% excellent; Soybeans 80% bloomed, 45% setting pods, condition 3% very poor, 12% poor, 35% fair, 38% good, 12% excellent; Sorghum 95% headed, 42% turning color, condition 1% very poor, 11% poor, 41% fair, 39% good, 8% excellent; Alfalfa condition 0% very poor, 7% poor, 38% fair, 42% good, 13% excellent; Other Hay condition 4% very poor, 18% poor, 46% fair, 30% good, 2% excellent; Range, pastures condition 4% very poor, 23% poor, 41% fair, 31% good, 1% excellent.

CALIFORNIA: Field activities progressed normally under nearly ideal conditions in most areas. Wheat harvest was complete in all but a few areas, harvested fields were being prepared for the fall crops. Rice was beginning to head. Rice fields were treated with herbicides for weeds, some fields were treated for rice blast. Cotton was setting bolls in the San Joaquin, Sacramento valleys; bolls were opening in the Imperial Valley. Cotton growers continued spraying for aphids, armyworms, leafhoppers, lygus. Garbanzo beans were harvested in the central, southern regions. Black-eyed beans were mature drying for harvest. Safflower, sugar beets were harvested in the Fresno County area. In other areas, new crop sugar beets were treated for worms. The lower San Joaquin valley harvest of corn for silage continued, while early fields of corn for grain were maturing. Sacramento valley sunflowers were treated for insects a final time before harvest. Alfalfa, bermuda grass were cut for hay or greenchopped, although sprinkles delayed cutting, baling in a few areas. The harvest of grapes for fresh use gained momentum in the San Joaquin Valley. Varieties picked included Perlette, Flame Seedless. Vineyard floors were being prepared for the upcoming wine, raisin harvests. Other cultural activities last week included: Extensive weed control, irrigation of vineyards, orchards. Harvests of clingstone, freestone peaches continued. Nectarine, plum picking was ongoing. Stone fruit quality was good. Apple trees were treated for codling moth. Picking of early variety apples was active. Olive trees were maturing well; fruit set was good. Bartlett pear harvest continued in the Sacramento river delta area. Asian pear harvest was also active in the San Joaquin Valley. Tree limbs in almond orchards remain supported to bear the weight of the heavy nut set. The crop was nearing full maturity; some hull splitting was reported. Valencia oranges, lemons were picked in southern areas. Fresh market, processing tomatoes, bell peppers, watermelons, cantaloupe, honeydew melons were being harvested in the San Joaquin Valley. Aphid, worm sprays were applied to melons, tomatoes. Cauliflower was planted in the southern San Joaquin Valley. Fall melons were planted in the Imperial Valley, with some drip-irrigated fields already emerging. Other crops harvested last week included: Broccoli, carrots, cucumbers, garlic, leeks, lettuce, turnips, onions, potatoes, various greens, herbs. Pastures in areas were in mostly fair to good condition, with irrigated pastures fairing well. Some non-irrigated, high elevation pastures were in need of rain, cattle in the northern mountains were being shipped to market earlier than normal. Livestock were in fair to good condition. Cool weather benefitted dairy, beef cattle production. Grasshoppers were feeding on dry range grass in a few areas. Bees were pollinating seed alfalfa, melon fields in central areas.

COLORADO: Days suitable for fieldwork 2.5. Topsoil 6% very short, 7% short, 79% adequate, 8% surplus. Subsoil 9% very short, 14% short, 74% adequate, 3% surplus. Moderate temperatures, monsoonal rains dominated the week hampering haying activities, harvest of small grain crops. Spring wheat 75% turning color, 73% 1998, 82% avg.; 27% harvested, 19% 1998, 27% avg.; 9% poor, 17% fair, 54% good, 20% excellent. Spring 97% barley turning color, 90% 1998, 80% avg.; 17% harvested, 20% 1998, 23% avg.; 9% poor, 16% fair, 52% good, 23% excellent. Oats 81% turning color, 86% 1998, 85% avg.; 43% harvested, 42% 1998, 48% avg.; 3% poor, 15% fair, 73% good, 9% excellent. Dry onions 1% very poor, 2% poor, 14% fair, 55% good, 28% excellent. Sugar beets 4% poor, 13% fair, 48% good, 35% excellent. Dry beans 72% flowered, 81% 1998, 81% avg.; 1% poor,

16% fair, 67% good, 16% excellent. Summer potatoes 2% harvested, 6% 1998, 10% avg.; 1% very poor, 1% poor, 5% fair, 65% good, 28% excellent. Fall potatoes 4% poor, 12% fair, 43% good, 41% excellent. Alfalfa 52% 2nd cutting, 65% 1998, 72% avg.; 1% very poor, 4% poor, 20% fair, 57% good, 18% excellent. Pasture, range feed in mostly good condition.

DELAWARE: Days suitable for fieldwork 7.0. Topsoil 16% very short, 81% short, 3% adequate. Subsoil 14% very short, 84% short, 2% adequate. Field corn 16% very poor, 29% poor, 30% fair, 18% good, 7% excellent; 95% silked, 84% 1998, 90% avg.; 38% dough, 42% 1998, 38% avg.; 13% dented, 14% 1998, 12% avg.; 8% mature, 6% 1998, 2% avg.; 5% harvested for silage, 3% 1998, 2% avg. Soybeans 8% very poor, 22% poor, 33% fair, 36% good, 1% excellent; 39% bloomed, 34% 1998, 50% avg.; 29% setting pods, 18% 1998, 20% avg. Sorghum 4% poor, 67% fair, 29% good; 35% headed, 33% 1998, 50% avg.; 10% turned, 0% 1998, 1% avg. Sweet corn 51% harvested, 45% 1998, 56% avg. Snap beans 54% harvested, 45% 1998, 53% avg. Cantaloupes 28% harvested, 49% 1998, 54% avg. Watermelons 35% harvested, 31% 1998, 35% avg. Cucumbers 48% harvested, 49% 1998, 64% avg. Lima beans 37% harvested, 30% 1998, 18% avg. Tomatoes 30% harvested, 38% 1998, 41% avg. Potatoes 48% harvested, 47% 1998, 57% avg. Apples 19% fair, 81% good; 11% harvested, 7% 1998, 10% avg. Peaches 18% fair, 82% good; 44% harvested, 48% 1998, 52% avg. Clover, other hay 88% 2nd cutting, 100% 1998, 96% avg.; 80% 3rd cutting, 67% 1998, 37% avg.; 25% 4th cutting, 10% 1998, 3% avg. Alfalfa hay 78% 3rd cutting harvested, 61% 1998, 52% avg.; 10% 4th cutting, 9% 1998, 5% avg. Hay supplies 5% very short, 53% short, 42% adequate. Pasture 5% very poor, 68% poor, 17% fair, 10% good. Activities: Maintaining irrigation, continued vegetable harvesting, livestock stressed by extremely hot temperatures.

FLORIDA: Topsoil moisture mostly short to adequate. Hot, humid weather persisted with several localities recording at least one daytime high of 100° or more. Temperatures averaged 1 to 40° above normal at major stations. Daytime highs averaged 90s, lows remained in 70s. Scattered showers brought varying amounts of rain. Precipitation ranged from about 0.25 in. Orlando to almost 6.00 in. Bradenton. Hay making continues. Some growers finished harvesting tobacco. Cotton, soybeans, sugarcane condition mostly normal. Some areas badly need rain. Corn harvesting underway. Peanut 23% fair, 54% good, 23% excellent. Peanuts pegging 93%. Tomato planting underway Palmetto-Ruskin, East Coast vegetable regions. Tomatoes good condition. Producers, Quincy area, finishing tomato planting. Bell pepper planting active, East Coast. Growers, southeastern coast, irrigating prior to laying plastic due to dry soils. Land preparation for fall vegetable planting active all central, southern Peninsula areas. Rain most citrus areas, some locations need more rain. A little irrigation in dry groves. Abundant new growth in well cared for groves, fruit of all sizes making good progress. Caretakers cutting cover crops, growers spraying, herbiciding, pushing, burning dead trees. Pasture feed 5% poor, 50% fair, 45% good. Condition of cattle; 5% poor, 25% fair, 70% good. Statewide, range, pasture feed quite varied by location. Western Panhandle; excessive rain, high humidity wearing down livestock. Eastern Panhandle; extreme heat, short rainfall stressed livestock. Second hay cutting about finished last week; slow growth of forage followed cutting. Central; pasture feed fair due to short soil moisture condition. West central; pastures looking pretty good following rains; grass growth improved. Some army worms reported. Southwest; pasture condition good. Statewide, cattle condition mostly good.

GEORGIA: Days suitable for field work 6.7. Soil moisture 32% very short, 48% short, 19% adequate, 1% surplus. Corn 77% mature, 84% 1998, 78% avg.; 21% harvested for grain, 19% 1998, 13% avg. Hay 9% very poor, 22% poor, 42% fair, 25% good, 2% excellent. Sorghum 7% very poor, 23% poor, 36% fair, 32% good, 2% excellent. Tobacco 62% harvested, 45% 1998, 67% avg. Watermelons 95% harvested, 96% 1998, 95% avg. Apples 26% fair, 47% good, 27% excellent; 6% harvested, 4% 1998, 6% avg. Peaches 96% harvested, 95% 1998, 98% avg. Pecans 5% very poor, 10% poor, 32% fair, 42% good, 11% excellent. Hot, dry weather the past two weeks adversely affected crops, pastures. Temperatures cooled slightly last week, but highs remained above 90° in many areas. The lack of significant rain resulted in soils continuing to dry. Broilers were stressed by the heat. Corn harvest continued ahead of the five year average pace. Silage harvest continued.

Some soybean fields experienced fruit loss due to the high temperatures. Overall condition declined. There were isolated reports of lesser cornstalk borer damage in sorghum. Stressed dryland cotton shed some fruit, leaves. Peanut pegging neared completion. Tobacco harvest continued. Hay, pasture conditions declined last week. About one-third of the pastures were in poor to very poor condition. Pest control continued in pecan orchards. Apple harvest continued. Watermelon, peach harvests neared completion. Other activities included: Irrigating crops, preparing peanut, cotton harvesting machinery, as well as preparing land for planting fall vegetables.

HAWAII: Weather conditions remained fair for crops. Warm temperatures, accentuated by humid conditions, increased the need for irrigation, made fieldwork uncomfortable. Trade winds returned late in the week, brought cooler temperatures, a beneficial mixture of sunshine, showers to some areas. Maui islands remained relatively dry, in need of rain. A large brush fire has burned several thousand acres of dry pastureland on producers island. Banana harvesting will be steady, overall crop conditions were good. Papaya orchards in good to fair condition. Harvesting will be steady. Head cabbage conditions fair to good. Insect pressure increasing, but under control with regular spraying.

IDAHO: Days suitable for fieldwork 7.0. Topsoil 8% very short, 41% short, 51% adequate. Hot, dry conditions persist. Small grain harvest is becoming more active across the state. Irrigation supply 65% excellent, 28% good, 5% fair, 2% poor. Alfalfa hay 2nd 75% cutting, 76% 1998, 69% avg.; 3rd cutting 14%, 8% 1998, 6% avg. Oats 15% harvested, 8% 1998, 15% avg. Mint 16% harvested, 36% 1998, 57% avg.. Peaches 13% harvested, 4% 1998, 29% avg.. Dry Peas 28% harvested, 41% 1998, 32% avg. Lentils 11% harvested, 7%, 1998 15% avg.. Onions 2% harvested, 2% 1998, 1%. avg. Prunes, plums 4% harvested,,0% 1998,,2%; avg. Hops 2% harvested, 1%, 1998 0% avg.. Sweet Corn 4% harvested, 8% 1998,3% avg.. Potatoes closing 97% middles, 93% 1998, 95% avg.; vines 1% dead/kill, 3%, 1998, 3% avg. Barley 74% turning color, 5% harvested, 13% 1998, 15% avg. Spring wheat 81% turning color, 11% harvested, 9% 1998,10% avg. Winter wheat 98% turning color, 15% harvested, 28% 1998,29% avg.

Activities: Irrigating, weed control, monitoring for disease, spraying insects ,harvesting small grains, fruit, mint, dry peas, lentils, hay.

ILLINOIS: Days suitable for fieldwork 6.8. Topsoil moisture 35% very short, 42% short, 22% adequate, 1% surplus. Last week, cooler temperatures prevailed which helped lower stress level on crops, however, rain is still needed. The continued lack of rain has caused soybean plant growth to slow with some reports of pods aborting. The corn crop concerns include ears not filling, poor pollination. The corn condition continues to deteriorate with 49% of the crop rated good to excellent. This is a seven point drop from August 1, a 25 point drop from July 16, when the heat wave began. Other activities for last week included: Hauling grain, mowing weeds, attending fairs, tending to livestock. Oats 99% ripe, 99% 1998, 95% avg. Oats 96% harvested, 90% 1998, 83% avg. Alfalfa 2nd 98% cut, 95% 1998, 93% avg. Alfalfa 3rd 39% cut, 27% 1998, 26% avg.

INDIANA: Days suitable for fieldwork 6.8. Topsoil 45% very short, 44% short, 11% adequate, 0% surplus. Subsoil 37% very short, 47% short, 16% adequate, 0% surplus. Scattered showers some areas. Topsoil, subsoil very dry, most areas. Corn, soybean condition declined. Corn 30% good to excellent. Soybean 34% good to excellent. Pastures, hay crops continue to deteriorate. Feeding hay some areas. Third cutting alfalfa, 53% complete, 24% 1998. Activities: Selling corn, soybeans, irrigating crops, cleaning grain bins, harvesting tobacco, mowing roads, pastures, baling hay, harvesting vegetables, repairing equipment, monitoring fields, attending fairs, caring for livestock.

IOWA: Days suitable for field work 6.6. Topsoil 14% very short, 31% short, 51% adequate, 4% surplus. Subsoil 6% very short, 25% short, 64% adequate, 5% surplus. Cool temperatures & weekend rains brought needed relief. Crops in southern areas continue to show stress from previous hot, dry weather. Corn 98% silked, 98% 1998, 94% avg.; 76% milk stage, 73% 1998, 50% avg.; 21% dough stage, 30% 1998, 16% avg.; 2% very poor, 6% poor, 23% fair, 46% good, 23% excellent. Soybeans 98% blooming, 99% 1998, 95% avg.; 81% setting pods, 85% 1998, 73%

avg. Soybean 2% very poor, 6% poor, 21% fair, 51% good, 20% excellent. Oats 98% harvested, 97% 1998, 93% avg. Cooler temperatures relieved producers livestock. Some cases of pinkeye, fly problems reported. Some reports of southern areas farms feeding hay due to dry pastures. Range, pasture feed 4% very poor, 16% poor, 33% fair, 38% good, 9% excellent. Second cutting of alfalfa 92%, 91% 1998, 90% avg. Second cutting of clover 68% hay, 73% 1998, 64% avg. Hay 2% very poor, 10% poor, 29% fair, 46% good, 13% excellent.

KANSAS: Days suitable for fieldwork 3.5. Topsoil 2% very short, 22% short, 69% adequate, 7% surplus. Subsoil 2% very short, 20% short, 75% adequate, 3% surplus. Rain, cooler temperatures last week were a welcome relief from the heatwave that had dominated the State for several days. The rains replenished soil moisture levels, and were especially beneficial to dryland crops that were showing stress from the hot, dry conditions. Corn 1% mature, 3% 1998, 2% average. Sunflower 2% very poor, 2% poor, 19% fair, 65% good, 12% excellent. Sunflowers 68% blooming, 78% 1998, NA average. Ray flowers 6% dry, 14% 1998, NA average. Bracts 1% turning yellow, 4% 1998, NA average. Third cutting 69% alfalfa, 78% 1998, 71% average. Fourth cutting 6% alfalfa, 8% 1998, 7% average. Crop insect populations are rated at mostly light to none, with a few reports of greenbugs, aphids, corn borers, fall armyworms, grasshoppers, soybean leaf beetles, webworms in alfalfa, soybeans. With last week's rainfall, fieldwork was brought to a halt in some areas of the State. Where fieldwork was possible, producers were cutting hay, working summer fallow, wheat stubble, cultivating, spraying weeds. Hay, forage supplies 1% short, 85% adequate, 14% surplus. Stocker cattle continue to be moved off grass, with some excellent weight gains reported. Some cattle producers are reporting problems with pinkeye, anaplasmosis. Stock water supplies are mostly adequate.

KENTUCKY: Days suitable for fieldwork 6.0. Topsoil 66% very short, 31% short, 3% adequate. Subsoil 62% very short, 34% short, 4% adequate. Dry with seasonal temperatures most of the week. Light to moderate rain over most of the State on Sunday. Crops continue to be under severe stress due to lack of moisture. Burley tobacco blooming or beyond 78%, topped 57%. Dark tobacco 89% topped. Tobacco 13% very poor, 23% poor, 34% fair, 25% good, 5% excellent. Blank shank continues to be a serious problem statewide. In many areas tobacco cutting has started on early set fields. Pasture feed 26% very poor, 34% poor, 29% fair, 11% good. Farmers continue to feed hay due to poor pasture conditions. Hay 27% very poor, 32% poor, 30% fair, 10% good, 1% excellent.

LOUISIANA: Days suitable for fieldwork 6.4. Soil 22% very short, 39% short, 37% adequate, 2% surplus. Corn 2% poor, 26% fair, 61% good, 11% excellent; 100% mature, 97% 1998, 88% avg.; 27% harvested, 42% 1998, 21% avg. Corn harvest continued with good yields being reported. Hay 42% final cutting, 38% 1998, 52% avg. Rice 73% ripe, 58% 1998, 40% avg. Rice harvest continued. Sorghum 36% ripe, 35% 1998, 26% avg.; 4% harvested, 3% 1998, 3% avg. Soybeans 9% leaves turning, 10% 1998, 4% avg. Sugarcane 1% poor, 8% fair, 61% good, 30% excellent; 6% planted, 0% 1998, 1% avg. Sugarcane producers were planting. Sweetpotatoes 2% poor, 23% fair, 69% good, 6% excellent; 7% harvested, 4% 1998, 4% avg. Livestock 5% poor, 24% fair, 58% good, 13% excellent. Vegetables 4% very poor, 21% poor, 38% fair, 36% good, 1% excellent. The hot weather had a significant impact on the quality of pastures.

MARYLAND: Days suitable for fieldwork 6.6. Subsoil 58% very short, 33% short, 9% adequate. Topsoil 48% very short, 41% short, 11% adequate. Corn 14% very poor, 30% poor, 35% fair, 20% good, 1% excellent; 93% silked, 89% 1998, 86% avg.; 46% dough, 43% 1998, 35% avg.; 18% dent, 17% 1998, 10% avg. Soybeans 8% very poor, 28% poor, 33% fair, 30% good, 1% excellent; 57% bloomed, 58% 1998, 55% avg.; 40% setting pods, 38% 1998, 27% avg. Sorghum 3% very poor, 17% poor, 49% fair, 31% good; 70% headed, 79% 1998, 57% avg. Tobacco 14% very poor, 24% poor, 45% fair, 17% good; 73% bloomed, 73% 1998, 78% avg.; 35% topped, 41% 1998, 44% avg.; 5% harvested, 13% 1998, 11% avg. Snap beans 52% harvested, 64% 1998, 60% avg. Cucumbers 65% harvested, 69% 1998, 68% avg. Potatoes 75% harvested, 100% 1998, 83% avg. Sweet Corn 70% harvested, 75% 1998, 60% avg. Tomatoes 51% harvested, 52% 1998, 49% avg. Cantaloupes 60% harvested, 69% 1998, 62% avg. Lima beans 13% harvested, 28% 1998,

12% avg. Watermelons 41% harvested, 50% 1998, 49% avg. Peaches 6% poor, 28% fair, 65% good, 1% excellent; 43% harvested, 53% 1998, 50% avg. Apples 2% poor, 20% fair, 67% good, 11% excellent; 6% harvested, 9% 1998, 5% avg. Clover, other hays 84% 2nd cutting harvested, 85% 1998, 80% avg.; 38% 3rd cutting, 65% 1998, 28% avg. Alfalfa 70% 3rd cutting harvested, 51% 1998, 56% avg.; 14% 4th cutting, 15% 1998, 5% avg. Pasture feed 46% very poor, 28% poor, 21% fair, 5% good. Hay supplies 11% very short, 43% short, 46% adequate. Activities: Continued irrigation, drought emergency in effect, feeding winter hay supplies to livestock due to poor pasture conditions.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 13% very short, 23% short, 61% adequate, 3% surplus, subsoil 12% very short, 24% short, 62% adequate, 2% surplus. Hay 2% very poor, 7% poor, 17% fair, 49% good, 25% excellent. Dry beans 0% very poor, 3% poor, 11% fair, 68% good, 18% excellent. Hay 2nd cutting 82%, 94% 1998, 80% avg. Hay 3rd cutting 18%, 18% 1998, 7% avg. Corn in milk 74%, 44% 1998, 28% avg. Dry beans 93% blooming, 91% 1998, 76% avg. Dry beans 61% setting pods, 57% 1998, 48% avg. Temperatures, humidity came down after being hot. Scattered showers throughout brought rain, but crops showing signs of moisture stress in some areas. Corn crop progress continued ahead of normal as pollination was finishing. Dry conditions have hurt soybean growth. As soils dried sugarbeets beginning to show signs of moisture stress. Second alfalfa cutting completed in most areas although high humidity made curing difficult. Dry beans progressing well with some fields being treated for white mold. Cantaloup harvest was active, quality was good. Carrot harvest continued with rapid development. Harvest of cucumbers for pickles was active. Eggplant volume was increasing. Pepper harvest continued with improved quality. Pumpkin vine growth was exceptional on irrigated fields. Snap bean harvest was active with good yields, quality. Squash harvest continued. Sweet corn staggered plantings bunching up. Market tomato harvest continued, quality was good. Apples 2.5 inches diameter. Red Haven peach harvest was underway. Stanley plums coloring. Jersey blueberry harvest continued.

MINNESOTA: Days suitable for fieldwork 6.1. Topsoil 3% very short, 23% short, 66% adequate, 8% surplus. Corn 58% milking, 81% 1998, 48% avg. Spring Wheat 87% turning ripe, 98% 1998, 82% avg. Oats 95% turning ripe, 99% 1998, 95% avg. Barley 88% turning ripe, 99% 1998, 84% avg. Winter Wheat 58% harvested, 84% 1998, 57% avg. Rye 70% harvested, 91% 1998, 70% avg. Sweet corn 16% harvested, 35% 1998, 17% avg. Pasture feed 3% very poor, 13% poor, 30% fair, 49% good, 5% excellent. Sugarbeets 1% very poor, 4% poor, 21% fair, 58% good, 16% excellent. Sunflowers 4% very poor, 13% poor, 31% fair, 47% good, 5% excellent. Dry beans 3% very poor, 12% poor, 38% fair, 40% good, 7% excellent. Following two weeks of very hot temperatures, crops, livestock got a break from the weather; the week was mostly dry, sunny, but not hot. Light soil areas and localities which have missed major rains for the past few weeks, reported soils were becoming too dry. Small grain harvest is past the halfway mark in the southern 2/3 of the state, is building toward full-scale in the major growing area of the Red River Valley.

MISSISSIPPI: Days suitable for fieldwork 6.8. Soil moisture 42% very short, 40% short, 17% adequate, 1% surplus. Corn 99% dough, 99% 1998, 96% avg.; 95% dent, 87% 1998, 78% avg.; 60% mature, 55% 1998, 35% avg.; 5% harvested, 16% 1998, 6% avg.; 54% silage harvested, 73% 1998, 52% avg.; 1% very poor, 8% poor, 24% fair, 51% good, 16% excellent. Cotton 4% open bolls, 7% 1998, 5% avg.; 2% very poor, 9% poor, 26% fair, 48% good, 15% excellent. Rice 73% heading, 85% 1998, 81% avg.; 0% mature, 1% 1998 4% avg.; 1% very poor, 5% poor, 20% fair, 59% good, 14% excellent. Sorghum 94% heading, 100% 1998, 97% avg.; 67% turning color, 69% 1998, 64% avg.; 17% mature, 13% 1998, 12% avg.; 4% silage harvested, 0% 1998, 7% avg.; 2% very poor, 6% poor, 26% fair, 56% good, 10% excellent. Soybeans 99% blooming, 100% 1998, 89% avg.; 93% setting pods, 82% 1998, 67% avg.; 18% turning color, 15% 1998, 6% avg.; 7% shedding leaves, NA 1998, NA avg.; 6% very poor, 11% poor, 30% fair, 43% good, 10% excellent. Sweet potatoes 5% harvested, 0% 1998, 1% avg.; 1% very poor, 1% poor, 14% fair, 84% good. Hay (warm-season) 75% harvested, 72% 1998, 75% avg. Watermelons 84% harvested, 84% 1998, 85% avg. Cattle, 2% very poor, 7% poor, 29% fair, 51% good, 11% excellent. Pasture 7% very poor, 18% poor, 32% fair, 40% good, 3% excellent. Hot, dry conditions continue across most areas of the state, stressing some

crops. Corn is maturing ahead of 1998, the 5-year average. Insect pressure is more pronounced in certain areas of the state.

MISSOURI: Days suitable for fieldwork 6.5. Topsoil moisture 47% very short, 33% short, 20% adequate. Row crops, pasture continued to decline during the past week although cool temperatures, rain late in the week helped to minimize crop stress. Corn is 38% mature in the Bootheel while corn in most areas is mostly in dough to dent stages. Soybean blooming ahead of normal, but pod development behind normal due to hot, dry weather. Sorghum 36% coloring in Bootheel while just beginning elsewhere. Cotton bolls are beginning to open in the Bootheel. 3rd crop alfalfa cut 49%. Pasture feed 23% very poor, 29% poor, 34% fair, 14% good. Precipitation for week ending August 8, 1999 avg. 1.04 in.

MONTANA: Days suitable for fieldwork 6.6. Topsoil 30% very short, 52% short, 18% adequate. Subsoil 26% very short, 52% short, 22% adequate. A majority of the state did not receive precipitation. Sugar beets 18% fair, 52% good, 30% excellent. Winter wheat 90% ripe, 90% 1998, 74% avg.; 2% very poor, 7% poor, 51% fair, 30% good, 10% excellent. Spring wheat 89% turning, 99% 1998, 86% avg.; 30% ripe, 34% 1998, 26% avg. Barley 82% turning, 98% 1998, 84% avg.; 41% ripe, 35% 1998, 29% avg. Oats 80% turning, 92% 1998, 83% avg.; 30% ripe, 54% 1998, 31% avg.; 3% very poor, 8% poor, 22% fair, 49% good, 18% excellent. Corn 15% fair, 56% good, 29% excellent. Potatoes 31% fair, 46% good, 23% excellent. Dry beans 1% poor, 14% fair, 69% good, 16% excellent. Alfalfa 100% 1st cutting, 98% 1998, 99% avg.; 38% 2nd cutting, 31% 1998, 33% avg. Other hay 89% harvested, 84% 1998, 86% avg.

NEBRASKA: Days suitable for fieldwork 5.2. Topsoil 5% very short, 28% short, 65% adequate, 2% surplus. Subsoil 3% very short, 29% short, 67% adequate, 1% surplus. Temperatures 6 to 8° below normals. Precipitation across the State averaged from thirty-eight hundredths of an inch in the northwest to over seven inches in extreme eastern counties. Flooding was noted along the Missouri River. Corn 1% very poor, 6% poor, 23% fair, 54% good, 16% excellent. Irrigated corn 75%, dryland corn 63% in good or excellent; corn silk 98%, 98% 1998, 92% avg.; dough 35%, 38% 1998, above 31% avg. Soybeans 96% blooming, 97% 1998, 93% avg.; 51% setting pods, 65% 1998, 56% avg.; 1% very poor, 7% poor, 26% fair, 52% good, 14% excellent. Sorghum 52% headed, 75% 1998, 56% avg.; 2% very poor, 7% poor, 32% fair, 56% good, 3% excellent. Dry beans 3% poor, 24% fair, 68% good, 5% excellent; 95% blooming, 87% 1998, 89% avg.; dry bean setting pod 58%, 19% 1998, 56% avg. Wheat 99% harvest, 97% 1998, 98% avg. Oats 92% harvest, 93% 1998, 92% avg. Alfalfa 99% 2nd cutting, 96% 1998, 95% avg.; 17% 3rd cutting, 16% 1998, 17% avg.; 1% very poor, 4% poor, 25% fair, 59% good, 11% excellent. Pasture, range feed 2% very poor, 6% poor, 30% fair, 53% good, 9% excellent. Wild hay 3% poor, 19% fair, 63% good, 15% excellent. Livestock were doing better with last week's cloudy, cool temperatures. Cooler weather last week gave livestock a chance to recover from last week's severe, sometimes killer heat. Producer activities: Haying, moving grain to market, caring for livestock, tilling summer fallow, mowing, shredding roadsides, soil preparation for fall seeded wheat.

NEVADA: NO REPORT

NEW ENGLAND: Days suitable for fieldwork 6.2. Topsoil 42% very short, 38% short, 20% adequate. Subsoil 46% very short, 35% short, 19% adequate. Pasture feed 35% very poor, 29% poor, 32% fair, 4% good. Maine potatoes <5% harvested; condition good to excellent. Massachusetts potatoes 20% harvested, 15% 1998, 15% avg.; condition good to fair. Rhode Island potatoes 20% harvested, 10% 1998, 5% avg.; condition fair to poor. Oats in Maine 15% harvested, 10% 1998, 5% avg.; condition good to excellent. Barley in Maine 20% harvested, 25% 1998; condition good to excellent. Field corn condition good to fair. Sweet corn 40% harvested, 40% 1998, 30% avg.; condition good to fair. Shade tobacco 60% harvested, 75% 1998, 55% avg.; condition good. Broadleaf tobacco 60% harvested, 45% 1998, 35% avg.; condition good. First cut hay 99% harvested, 95% 1998, 95% avg.; condition good to fair. Second cut hay 60% harvested, 60% 1998, 50% avg.; condition good to fair. Third cut hay 5% harvested, <5% 1998, 5% avg.; condition fair to poor. Apples <5% harvested, <5% 1998, <5% avg.; size average, condition good to

fair. Peaches 45% harvested, 35% 1998, 20% avg.; size average to below average, condition fair. Pears size average to below average, condition fair to poor. Cranberries size average, condition good. Highbush blueberries 65% harvested, 70% 1998, 55% avg.; size average, condition good to fair. Wild blueberries 40% harvested, 35% 1998, 15% avg.; size average, condition good. Major farm activities included: Irrigating where possible; harvesting summer vegetables, tobacco, oats, barley; picking fruit including apples, peaches, blueberries. Cutting hay where possible. Potato harvest underway in Maine. Mowing weeds, hoeing fields, marketing produce at roadside stands, farmer's markets. Preparing equipment for field corn harvest. Spreading manure.

NEW JERSEY: Days suitable for fieldwork 7. Temperatures slightly above normal. Extremes 50°, 96°. Rainfall 0.19 in. north, 0.31 in. central, 0.13 in. south. Heaviest 24 hour total 0.34 in. at Trenton on the 8th to the 9th. Estimated soil moisture, in percent of field capacity, this past week Averaged 59% north, 37% central, 25% south. Four inch soil temperatures 74° north, 77° central, 77° south. Irrigation is occurring across the State. Irrigation ponds are drying out, well permits are being issued. Although some corn fields are still in fair condition, especially irrigated ones, most fields are in poor condition across the State. Yields are expected to be reduced significantly, many fields have already been lost. Harvesting of corn for silage is occurring, both yields, nutrient content are lower than normal. Single crop soybeans are reported to be between fair, poor condition while most of the double crop fields are in poor condition. Yields are also expected to be significantly decreased. Condition of the second alfalfa cutting is between fair to poor. No third cutting is expected in many areas. The condition of the second other hay crop is in poor condition, no second cutting is expected at all in some areas. Pasture feed is very poor in most of the State. Supplemental feeding of cattle is occurring extensively. Some farmers are already using their winter feed supplies. Respiratory problems have been reported, several animals have died. Milk production has been affected. Most irrigated vegetable fields are in good, fair condition, heat stress has affected even irrigated fields. Some sun damage has been reported in tomato and peppers fields. Blossom end rot has also been reported in some tomato fields, production is expected to decrease. Significant damage to the pumpkin crop is expected since the crop is mostly non-irrigated. Potato sizes have been reported to be somewhat smaller than normal. Harvest of tomatoes, squash, sweet corn, peppers, cucumbers, melons, eggplant, potatoes, other minor vegetables continued. Seeding of irrigated fall vegetables is occurring in southern areas. Harvest of peaches continued. Good quality have been reported, although sizes have been reported to be somewhat smaller than normal. Some premature fruit drop is occurring in central, northern areas. Apples are also being harvested in the southern counties. Its condition is between good, fair, also experiencing a reduced fruit size and premature fruit drop. Blueberry harvest is nearly complete in central areas.

NEW MEXICO: Days suitable for fieldwork 3.6. Heavy rain topping 40% to 50% of yearly normal was the highlight for much of the State last week. Areas of the east-central plains, eastern highlands averaged over 3" of moisture during a four-day period. Rainfall averaged just over 1", except for the far southeast plains which remained dry. Temperatures 3 to 6° below normal reflected cloudy and rainy weather except for the far southeast where the absence of rain allowed temperatures to average 2° above normal. Farm, ranch activities were held to a minimum by wet fields and muddy roads. Rains continued to cause delays for hay and onion harvest along with loss of quality as crops sat in the field. Hot weather is now needed to mature crops. Pasture, range feed continued to improve with 1% very poor, 6% poor, 28% fair, 53% good, 12% excellent. Cattle, sheep remained stable with both being reported in mostly good condition, showing good weight gains.

NEW YORK: Days suitable: 6.2. Soil 68% very short, 18% short, 14% adequate. Pasture feed 29% very poor, 44% poor, 18% fair, 9% good. Second cutting alfalfa 89% complete, 84% 1998, 74% average. Condition of hay crops 36% poor, 46% fair, 18% good. Corn 32% poor, 41% fair, 23% good, 4% excellent. Corn fields showing stress. Oats harvest 80% complete; 42% 1998, 33% average. Wheat harvest virtually complete. Dry beans in critical need of rainfall. Early potato harvest began. Sweet corn harvest half complete, statewide. Cabbage taking hard hit from drought. Report of tree fruit drop due to drought stress. Sizing a concern. Hudson Valley peach, pear harvest underway. Ontario County peaches 85% harvested, apples 4% harvested.

NORTH CAROLINA: Days suitable for fieldwork 6.5, compared to 6.0 last week. Soil moisture levels continue to decline, 20% very short, 50% short, 28% adequate, 2% surplus. Hot weather coupled with little or no rainfall for most of the State. Farmers across the State continue to report a decline in crop conditions due to these excessive hot, dry conditions. Tobacco topping, suckering, harvesting, marketing were among the major activities. Cotton, soybean crops are developing on schedule, corn is running about a week behind. Other activities included weed control in all crops, baling hay, harvesting peaches, vegetables, crop scouting, tending livestock. Irrigation activities continued.

NORTH DAKOTA: Days suitable for fieldwork 6. Topsoil 4% very short, 21% short, 71% adequate, 4% surplus. Subsoil 2% very short, 16% short, 75% adequate, 7% surplus. Normal temperatures, dry conditions allowed producers to make harvest progress across most of the State. Durum wheat 74% milk, 96% 1998, 80% avg.; 25% turning, 72% 1998, 42% avg.; 2% combined, 9% 1998, 3% avg. Canola 64% turning, 84% 1998; 26% swathed, 42% 1998; 2% combined, 5% 1998. Corn 45% milk, 66% 1998, 46% avg.; 0% denting, 7% 1998, 2% avg. Dry edible beans 73% podding, 98% 1998, 87% avg.; 16% fully podded, 68% 1998, 37% avg.; 1% lower leaves yellowing, 17% 1998, 8% avg. Flaxseed 26% turning, 70% 1998, 33% avg. Potatoes 1% vines killed, 6% 1998, 1% avg. Soybeans 70% podding, 91% 1998, 86% avg.; 25% fully podded, 43% 1998, 31% avg. Sunflowers 46% blooming, 71% 1998, 56% avg. Scab, vomitoxin were reported in small grains harvested in the southeast, northeast districts. Sunflower midge was found in developing heads in the northeast district. Emerged crop condition: durum 6% poor, 42% fair, 47% good, 5% excellent; canola 4% poor, 23% fair, 57% good, 16% excellent; corn 2% very poor, 5% poor, 20% fair, 63% good, 10% excellent; dry edible beans 8% poor, 24% fair, 50% good, 18% excellent; flaxseed 4% poor, 25% fair, 58% good, 13% excellent; potatoes 5% poor, 9% fair, 48% good, 38% excellent; soybeans 3% very poor, 9% poor, 23% fair, 57% good, 8% excellent; sugar beets 5% poor, 13% fair, 55% good, 27% excellent; sunflower 1% very poor, 6% poor, 25% fair, 57% good, 11% excellent. Stock water 1% very short, 2% short, 89% adequate, 8% surplus. Hay 5% above normal.

OHIO: Days suitable for fieldwork 6.5. Topsoil 39% very short, 41% short, 20% adequate. Soybeans 91% setting pods, 62% 1998, 51% avg. Oats 97% harvested, 79% 1998, 73% avg. Alfalfa hay 46% 3rd cutting, 31% 1998, 18% avg. Other hay 80% 2nd cutting, 82% 1998, 69% avg. Other hay 20% 3rd cutting, 16% 1998, 5% avg. Corn 70% in dough, 27% 1998, 22% avg.; 10% dented, 2% 1998, 1% avg.; harvested for silage 1%. Summer apples 68% harvested, 71% 1998, 34% avg. Peaches 54% harvested, 59% 1998. Tobacco 30% topped, 28% 1998; 1% harvested. Processing tomatoes 1% harvested, 4% 1998, 1% avg. Potatoes 23% harvested, 15% 1998, 12% avg. Cucumbers 47% harvested. Pasture feed 32% very poor, 27% poor, 28% fair, 12% good, 1% excellent. Corn 8% very poor, 18% poor, 33% fair, 34% good, 7% excellent. Soybeans 6% very poor, 15% poor, 31% fair, 40% good, 8% excellent. Activities include: Mowing and seeding CRP ground, filter strips, plowing wheat stubble; hauling grain; cleaning out bins; baling hay and straw; spraying, harvesting vegetables; scouting for insects; detasseling seed corn; attending State, county fairs; installing tile waterways; mowing fence rows; hauling hay, water to livestock; irrigating specialty crops. Reported weed pressures include Canadian thistle, morning glory, sourdock, velvetleaf, buttonweed, foxtail, ragweed, hemp dogbane, milkweed, quack grass, poison ivy, broadleaf, chickweed, lambs quarter, Johnson grass. Reported insects include spider mites in soybeans; leaf hoppers in alfalfa, potatoes; rootworms and earworms in corn; beetles in soybeans, corn. Reported diseases include root rot in soybeans; mildew on vegetables; gray leaf spot on corn; fungus on cucumbers; sudden death syndrome in soybeans. Much of the fruit, vegetable crops are suffering from low moisture, high temperature. In Fairfield County, one reporter mentioned that the dry conditions are beginning to affect the size of fall apples. In central and southern parts of the State, irrigation sources are drying up and crops have low yields. Fruits, vegetables in the North are mostly good. In Ashtabula County, sweet corn is reported in excellent shape. In Huron County, a reporter mentioned that the melon harvest has started with excellent quality. Northeast, tomatoes, melons, cucumbers, squash, blueberries are being harvested, while watermelons, canning tomatoes, cantaloupes are being harvested in the Southeast. Reporters in northern parts of the State mentioned slight improvements in pastures, grasses after recent rains, more moisture is needed. Pastures in parts of the

central, east central districts, and much of the southern half of the state are either barren, dormant, or dried up. This past week provided some relief for heat stressed livestock as temperatures dropped. Still, many producers are liquidating herds as pastures, hay stocks, water sources continue to decline.

OKLAHOMA: Days suitable for fieldwork 5.3. Subsoil 7% very short, 29% short, 62% adequate, 2% surplus. Topsoil 13% very short, 37% short, 47% adequate, 3% surplus. Showers improve crop conditions, ease drought south. Rainfall delayed peanut irrigation briefly before hot, dry weather returned. Wheat 88% plowed, 87% 1998, 91% avg.; 12% seedbed prepared, 13% 1998, 18% avg.; some anhydrous ammonia applied southwest. Oats 91% plowed, 84% 1998, 92% avg.; 2% seedbed prepared, 14% 1998, 9% avg. Corn 1% very poor, 2% poor, 4% fair, 90% good, 3% excellent; 58% milk-to-soft, 94% 1998, 88% avg.; 8% mature, 12% 1998, 11% avg. Soybeans 7% poor, 23% fair, 65% good, 5% excellent; 60% flowering, 81% 1998, 80% avg.; 35% setting pods, 41% 1998, 51% avg. Peanuts 70% setting pods, 70% 1998, 73% avg. Cotton 91% squaring, 97% 1998, 98% avg.; made significant advances. Watermelons 55% harvested, 69% 1998, 49% avg. Alfalfa hay 6% poor, 33% fair, 57% good, 4% excellent; 86% 3rd cutting, 70% 1998, 76% avg.; 17% 4th cutting, 14% 1998, 15% avg. Rainfall enabled farmers to harvest a fourth cutting north. Other Hay 96% 1st cutting, 92% 1998, 95% avg.; 39% 2nd cutting, 5% 1998, 45% avg; Livestock 2% poor, 17% fair, 73% good, 8% excellent. Cattle auctions reported fewer marketings. Feeder cattle prices 50 cents to \$2.00 per cwt. below last week

OREGON: Days suitable for fieldwork 6.8. Topsoil 27% very short 54% short 19% adequate. Subsoil 21% very short, 53% short, 26% adequate. Thunderstorms dumped rain on some areas of the State, stalling harvest and falling on hay and grass seed in the fields. Barley harvested 36%, 50% 1998, 41% avg. Spring wheat harvested 33%, 18% 1998. Winter wheat harvested 61%, 64% 1998, 64% avg. Range, pasture feed 3% very poor, 16% poor, 46% fair, 31% good, 4% excellent. Activities: Hay harvest continued in western area wheat harvest had started. Eastern Oregon continued grain harvest, wheat yields ranged from the teens to mid-thirties in Mid-Columbia Basin. Mint harvest continued in Northeast summer maintenance, irrigation, container movement are main nursery activities. Fall flowers starting to show in retail garden outlets. Christmas Trees look good, shearing continued. Sweet corn started showing at some stands, green bean, cucumber, cole crop harvests continued. Onions sizing in Willamette Valley, zucchini in high production. Early and fresh pack potato harvest continued in Northeast with yields, quality looking good. Some onions in Malheur County have mite problems, no threat of late blight to potatoes. In the Willamette Valley, blueberry harvest peaking, raspberry picking completed, Marion blackberry season well along, Evergreen blackberry harvest started. Tart cherry harvest finishing at the high elevations, early apples, peaches starting to be picked. Northeast, cherry harvest winding down. In the Rogue Valley, peach harvest continued, picking of earliest pear varieties expected to begin August 9 or 10. On the south coast, blueberry harvest remained active and cranberries beginning to show a blush of color. Livestock condition fair to excellent. Hay being fed in areas where pastures are dired up. Irrigated pastures excellent, using lots of water. Range and pasture land mostly dried up. In the Willamette Valley, recent rains improve grass growth a little. In the east, cooler weather slowed drying.

PENNSYLVANIA: Days suitable for field work 6.5. Soil moisture 61% very short, 30% short, 9% adequate. Corn silked 86% complete, 85% 1998, 77% avg.; dough 37% complete, 40% 1998, 22% avg. Soybean 35% very poor, 26% poor, 30% fair, 8% good, 1% excellent. Oats 98% turning yellow, 99% 1998, 97% avg.; 81% ripe, 83% 1998, 79% avg.; 63% harvested, 63% 1998, 54% avg.; 2% very poor, 17% poor, 46% fair, 33% good, 2% excellent. Potato harvest 16% complete, 6% 1998, 5% avg. Alfalfa 2nd cutting 91% complete, 90% 1998, 79% avg.; 3rd cutting 54% complete, 44% 1998, 27% avg.; 4th cutting 4% complete, 5% 1998, 1% avg. Timothy clover 2nd cutting 35% complete, 45% 1998, 41% avg. Quality of hay made 2% very poor, 12% poor, 37% fair, 32% good, 17% excellent. Apple harvest 14% complete, 12% 1998, 8% avg.; 3% poor, 26% fair, 48% good, 23% excellent. Peach harvest 44% complete, 51% 1998, 29% avg.; 5% poor, 20% fair, 48% good, 27% excellent. Grape harvest 5% complete, 0% 1998, 1% avg. Activities include: Harvesting oats, fruits, vegetables, tobacco; preparing for corn silage harvesting; machinery maintenance; filling silos; hauling manure; spreading lime,

fertilizers; applying pesticides; caring for livestock; building and repairing fences; cutting hay and making haylage; baling straw; irrigating crops.

SOUTH CAROLINA: Days suitable for fieldwork 6.4. Soil moisture 24% very short, 59% short, 17% adequate. Apples 1% harvested, 1% 1998, 1% avg. Cantalopes 98% harvested, 98% 1998, 94% avg. Corn 13% harvested, 16% 1998, 11% avg.; 7% very poor, 21% poor, 39% fair, 28% good, 5% excellent. Grapes 10% poor, 60% fair, 30% good. Hay 4% very poor, 14% poor, 43% fair, 36% good, 3% excellent. Peaches 81% harvested, 87% 1998, 85% avg.; 5% poor, 23% fair, 49% good, 23% excellent. Snapbeans 100% harvested, 100% 1998, 90% avg. Sorghum 52% turned color, 54% 1998; 4% very poor, 25% poor, 55% fair, 16% good. Sweet Potatoes 3% poor, 39% fair, 57% good, 1% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 6.0. Topsoil 1% very short, 29% short, 64% adequate, 6% surplus. Subsoil 13% short, 77% adequate, 10% surplus. Cooler weather conditions, scattered showers gave much needed relief to cattle, crops. Row crops continued to progress ahead of the five-year average. Winter rye 28% excellent, 52% good, 19% fair, 1% poor. Alfalfa 21% excellent, 60% good, 18% fair, 1% poor. Sunflower 21% excellent, 55% good, 22% fair, 2% poor. Flaxseed 13% excellent, 71% good, 15% fair, and 1% poor. Winter wheat harvested 97%, 96% in 1998, 87% avg. Winter rye ripe 99%, 100% in 1998, 100% avg.; harvested 86%, 92% in 1998, 75% avg. Barley turning color 99%, 100% 1998, 97% avg.; ripe 89%, 93% 1998, 80% avg. Oats turning color 99%, 100% 1998, 97% avg.; ripe 91%, 95% 1998, 83% avg. Spring wheat turning color 98%, 100% 1998, 95% avg.; ripe 90%, 94% 1998, 76% avg. Flaxseed blooming 98%, 91% 1998, 93% avg.; ripe 47%, 90% 1998, 32% avg. Sunflower 50% blooming, 66% 1998, 57% avg.; ray flowers dry 9%, 27% 1998, 8% avg.; bracts yellow 5%, 26% 1998, 6% avg. Corn tasseled 96%, 97% 1998, 91% avg. Alfalfa second cutting 75%, 78% 1998, 71% avg.; 3rd cutting 15%, 17% 1998. Other hay harvested 80%, 82% 1998, 78% avg. Cattle 24% excellent, 69% good, 7% fair. Sheep 29% excellent, 66% good, 5% fair. Stock water supplies 13% surplus, 82% adequate, 5% short.

TENNESSEE: Days suitable for fieldwork 7.0. Topsoil 34% very short, 43% short, 23% adequate. Subsoil 25% very short, 45% short, 30% adequate. Corn 88% dough, 78% 1998, 80% avg.; 51% dent, 47% 1998, 43% avg.; 13% mature, 7% 1998, 5% avg.; 22% silage harvested, 9% 1998, 9% avg.; 5% very poor, 19% poor, 37% fair, 35% good, 4% excellent. Tobacco 70% topped, 53% 1998, 57% avg.; 3% very poor, 12% poor, 31% fair, 44% good, 10% excellent. Burley 10% harvested, 6% 1998, 6% avg. Dark air-cured 8% harvested, 6% 1998, 5% avg. Dark fire-cured 10% harvested, 4% 1998, 5% avg. Pasture feed 26% poor, 35% fair, 27% good, 2% excellent. Weather remained mostly hot, dry last week. A front did move into the State on Sunday bringing with it some much needed rain. Parts of western area picked up anywhere from one-quarter inch to one-half inch of rain, with some areas reporting even more. Unfortunately, however most areas of middle, eastern areas had little, if any rain. Although the rain was welcomed, more will be needed in order to stop the steady decline in crop conditions seen throughout the State over the past three weeks. Late planted crops and pastures are suffering the most during this recent drought. Farmers reported late planted corn is curling and leaves are prematurely drying down, while late planted tobacco in some areas has quit growing, forcing producers to irrigate. Cattle producers have begun feeding hay in some areas due to poor pasture conditions. Farmers were busy topping, harvesting tobacco, spraying cotton, cutting hay. Sorghum growers applied sprays to control both webworm, armyworm.

TEXAS: Rain, cooler temperatures beneficial crop development in High Plains. Irrigation needs reduced. Central, South remained mostly dry, hot allowing harvest to progress. Range, pastures conditions declining some areas as several weeks hot temperatures taken toll. Hay activity slowed as production exceeded current needs. Hot, dry conditions slowed regrowth on most central, south fields. Livestock conditions remained good, however producers making supplemental feed decisions as pastures begin to decline.

Crops: Corn: Irrigation needs reduced in High Plains by cooler temperatures, good rainfall. Overall progress good. Some fields harvested for silage late week. Harvest increased in Blacklands where yields were good, aflatoxin levels very low. Harvest moved ahead under open, hot conditions in Central, along Upper Coast. Aflatoxin levels low

these areas also. Harvest was virtually complete Coastal Bend. Yields good most fields. Cotton: Insect numbers continued rise in Plains where producers busy spraying as conditions allowed. Progress normal most fields despite slightly cooler temperatures. Boll sets good. Bolls continued to open in Blacklands, Central where conditions favorable. Harvest increased along Upper Coast, Coastal Bend under mostly open conditions. Hot temperatures provided good maturity. Peanuts: Fields continued make good progress in Plains, North Central despite a slight increase in disease some fields, producers begun spraying. Scattered rainfall beneficial to dryland fields, however more needed for further development. Dryland fields South Central also need rain. Rice: Harvest continued along Upper Coast under open conditions, hot temperatures. Yields, quality good. Sorghum: Progress good in Plains with many fields heading out, some early fields beginning turn color. Harvest along Upper Coast, Coastal Bend virtually complete. Soybeans: Good growth, development continued in Plains, rainfall beneficial. Harvest early varieties winding down along Upper Coast under open conditions.

Commercial Vegetables: Rio Grande Valley land preparation was main activity. San Antonio-Winter Garden some planting occurred during week. East, sweet potato harvest continued. High Plains onion, potato harvest slowed part week by rain. Trans Pecos harvest onion, cantaloups, watermelons continued. Peaches: Harvest beginning wind down in Hill Country by end week.

Pecans: A good crop still expected most areas, however nut drop increased where rain not fallen several weeks. Producers continued scout groves for insects, spraying occurred some areas.

Range and Livestock: Rainfall in Plains beneficial, however many parts Central, South dry, along with hot temperatures grasses have declined. Haying activity slowed. Hay supplies will be replenished as summer ends. Livestock conditions good across State. Hot temperatures have taken a toll on poultry operations.

UTAH: Days suitable for fieldwork 7. Topsoil 12% very short, 23% short, 60% adequate, 5% surplus. Subsoil 11% very short, 24% short, 65% adequate. Pasture, range feed 2% very poor, 8% poor, 35% fair, 54% good, 1% excellent. Corn: height 74 in., 64 in. 1998, 67 in. avg.; 61% silked, 44% 1998, 55% avg. Winter wheat 56% harvested, 41% 1998, 61% avg. Spring wheat 49% harvested, 36% 1998, 48% avg. Barley 50% harvested (grain), 37% 1998, 52% avg. Alfalfa hay 81% 2nd cutting, 82% 1998, 82% avg. Other hay 85% 1st cutting, 75% 1998, 80% avg. Oats 98% headed, 94% 1998, 92% avg.; 81% harvested for hay or silage, 75% 1998, 79% avg.; 21% harvested for grain, 19% 1998, 25% avg. Tart cherries 90% picked, 93% 1998, 90% avg. Peaches 9% picked, 5% 1998, 16% avg. Irrigation water supply 8% very short, 18% short, 74% adequate. Stock water supplies 4% very short, 20% short, 74% adequate, 2% surplus. Major activities included: Irrigating, harvesting small grains, hay. Most counties received rain this week.

VIRGINIA: Days suitable for fieldwork 6.6. Topsoil 32% very short, 43% short, 25% adequate. Subsoil 42% very short, 34% short, 24% adequate. Topsoil moisture supplies diminished considerably from the previous week. Temperatures subsided somewhat last week over most of the Commonwealth. Most localities continue to receive below normal rainfall. Pasture feed 31% very poor, 30% poor, 22% fair, 15% good, 2% excellent. Livestock 4% very poor, 10% poor, 29% fair, 52% good, 5% excellent. Hay, other 32% very poor, 36% poor, 19% fair, 10% good, 3% excellent. Hay, alfalfa 12% very poor, 31% poor, 38% fair, 15% good, 4% excellent. Corn for grain 92% silked, 79% 1998, 85% avg.; 44% dough, 39% 1998, 44% avg.; 20% dented, 15% 1998, 21% avg.; 16% very poor, 39% poor, 18% fair, 20% good, 7% excellent. Corn for silage 1% harvested, 0% 1998, 0% avg. Soybeans 42% blooming, 61% 1998, 55% avg.; 16% setting pods, 33% 1998, 28% avg.; 8% very poor, 20% poor, 35% fair, 30% good, 7% excellent. Tobacco, flue cured 14% harvested, 14% 1998, 17% avg.; 1% poor, 13% fair, 65% good, 21% excellent. Tobacco, burley 2% very poor, 5% poor, 24% fair, 46% good, 23% excellent. Tobacco, dark fire cured 10% harvested, 9% 1998, 7% avg.; 6% poor, 24% fair, 50% good, 20% excellent. Tobacco, sun cured 1% harvested, 0% 1998, 1% avg.; 31% poor, 30% fair, 39% good. Peanuts 100% pegged, 98% 1998, na% avg.; 4% fair, 68% good, 28% excellent. Cotton 100% squaring, 100% 1998, 100% avg.; 67% setting bolls, 98% 1998, 96% avg.; 8% fair, 59% good, 33% excellent. Summer potatoes 92% harvested, 94% 1998, 93% avg. Apples, summer 50% harvested, 75% 1998, 27% avg. Apples, All 2% very poor, 15% poor, 61% fair, 20% good, 2% excellent. Peaches 41% harvested, 54% 1998, 47% avg.; 13% very poor, 20% poor, 52% fair, 15% good. Some hay producers have been able to get multiple cuttings, however, quality, quantity are both

greatly reduced. Livestock producers are being forced to continue to provide supplemental feed, water supplies for their herds. Culling of feeder cattle, marginal breeding stock continues. Fifty-five percent of corn acreage is poor or very poor condition. While most of the decrease in corn condition can be attributed to the extreme dry weather, corn ear worm infestation has caused problems in some fields. Corn is beginning to dry down in some areas. Few producers will probably be cutting some of their grain corn for green-chop to feed livestock. Soybean producers are hopeful for an increased amount of rainfall in mid-August in order to provide needed moisture. Currently the plants are behind schedule in blooming and setting pods. Tobacco harvest is beginning to pick for in all varieties. Overall crop condition appears good to excellent, many producers expect a good harvest. Peanut, cotton producers have better than normal expectations this year. Both crops are hardy and more resistant to heat and extreme temperatures than other row crops. Some isolated peanut producers have reported occurrence of diseases such as leaf spots and white mold which are caused by damp conditions. Fungicides are currently being applied to inhibit the spread of these diseases. Two-thirds of cotton plants are already setting bolls which will begin to open over the next couple of weeks. Summer fruits and vegetables such as apples, peaches, potatoes, tomatoes, and peppers are currently being harvested. Producers are also busy planting fall vegetables.

WASHINGTON: Days suitable for fieldwork 5.6. Topsoil 27% very short, 46% short, 27% adequate; subsoil 21% very short, 58% short, 21% adequate. Winter wheat harvest was in full swing in eastern areas, but was slowed by rain showers towards the end of the week. Yields were better than once anticipated, quality was high. Barley, spring wheat harvest was underway but were also slowed by rain showers. Those fields that were not ready to be harvested benefitted from the moisture. Winter wheat 34% harvested, 55% 1998, 50% avg. Winter wheat, dryland 9% very poor, 13% poor, 43% fair, 30% good, 5% excellent; irrigated 100% good. Spring wheat, dryland 18% very poor, 27% poor, 40% fair, and 15% good; irrigated 100% good. Harvested, 7%, 25% 1998, 29% avg. Barley, dryland 11% very poor, 28% poor, 48% fair, 13% good; irrigated, 100% good. Harvested 8%, 32% 1998, 34% avg. Potatoes 10% harvested, 14% 1998, 11% avg. Potatoes 5% fair, 61% good, 34% excellent. Hay, other roughage supplies were 2% very short, 3% short, 75% adequate, 20% surplus. Range, pasture, 18% very poor, 32% poor, 37% fair, 12% good, 1% excellent. Warm, dry weather caused pastures to turn brown but was helping hay producers that had hay down. Dairy producers were fertilizing fields, were making green chop. Field corn was being harvested for silage. A wide variety of vegetables were being harvested. Sweet corn growth was helped by the additional heat units early in the week. Raspberry harvest was coming to an end while blueberry and blackberry harvest got underway. Some hail damage was reported in the fruits in central areas. Soft fruits were still being harvested, apple harvest started. Labor availability was adequate as pear growers prepared to start harvest next week.

WEST VIRGINIA: Days suitable for fieldwork 6.2. Topsoil 58% very short, 37% short, 5% adequate. Despite some rain this past week, inadequate moisture supplies continue to affect crop, livestock, pasture feeds throughout the State. Hay 39% very poor, 41% poor, 18% fair, 2% good; Hay 2nd cut 48%, 49% 1998, 6% 5-yr avg. Corn 24% very poor, 54% poor, 17% fair, 5% good; Corn 71% Silked, 69% 1998, 75% 5-yr avg.; 35% doughing, 20% 1998, 27% 5-yr avg. Oats 29% very poor, 27% poor, 44% fair. Oats 77% harvested, 64% 1998, 62% 5-yr avg. Soybeans 19% very poor, 36% poor, 45% fair, 72% bloomed, 55% 1998, 79% 5-yr avg.; Setting 36% pods, 27% 1998, 47% 5-yr avg. Tobacco 31% very poor, 25% poor, 40% fair, 4% good, 12% Topped, 15% 1998, 44% 5-yr avg. Apples 25% very poor, 12% poor, 48% fair, 15% good. Peaches 26% very poor, 13% poor, 48% fair, 13% good. Cattle 6% very poor, 22% poor, 48% fair, 23% good, 1% excellent. Sheep 3% very poor, 29% poor, 55% fair, 12% good, 1% excellent.

WISCONSIN: Days suitable for fieldwork: 5.5 Soil 0% very short, 13% short, 78% adequate, 9% surplus. Cooler temperatures during the first week of August have been a big turnaround compared with the end of July. The hay harvest is still being hampered by intermittent showers that are making it difficult to put up good dry hay. Second crop is almost finished with a few started on third crop hay. Second Crop hay harvested: 88% 1999, 96% 1998, 80% avg. Many reporters have commented that third crop is a couple of weeks away from being harvested, that

leafhoppers are still a problem in fields that have not been sprayed. Third Crop hay harvested: 18% 1999, 39% 1998, 11% avg. Farmers with small grains have been able to get back into their fields, start harvesting again. Many farmers are almost done harvesting the winter wheat crop. Winter wheat harvested: 98% 1999, 99% 1998, 71% avg. The oat harvest is coming along nicely, but is a little behind 1998. Many reporters have noted that rain showers have slowed the oat harvest. An Oconto County reporter stated that there is a bit of serious lodging in small grains. The corn crop continues to look good. Many reports rated the corn at good to excellent. However, a Kenosha County reporter stated that corn stalks are turning brown. The soybean crop is still looking good. Most reports have it rated at mostly good to excellent, that the only problems in fields are in the low spots. Soybean conditions: 2% poor, 10% fair, 53% good, 35% excellent. Soybeans 89% bloomed: 1999, 91% 1998. Soybeans setting pods: 58% 1999, 70% 1998. Pasture Feed conditions: 3% poor, 20% fair, 54% good, 23% excellent.

WYOMING: Days suitable for fieldwork 6.0. Topsoil 5% very short, 48% short, 47% adequate. Winter wheat 88% harvested, 82% 1998, 75% avg. Spring wheat 3% fair, 93% good, 4% excellent. Spring wheat 62% turning color, 100% 1998, 83% avg.; 38% mature, 61% 1998, 44% avg.; 26% harvested, 29% 1998, 19% avg. Barley 1% fair, 75% good, 24% excellent. Barley 85% turning color, 96% 1998, 92% avg.; 67% mature, 61% 1998, 60% avg.; 42% harvested, 18% 1998, 23% avg. Oats 1% poor, 5% fair, 84% good, 10% excellent. Oats 60% turning color, 90% 1998, 80% avg.; 27% mature, 56% 1998, 43% avg.; 9% harvested, 22% 1998, 18% avg. Sugarbeet 8% fair, 72% good, 20% excellent. Corn 4% fair, 91% good, 5% excellent. Corn 96% tasseled, 100% 1998, 91% avg.; 80% silked, 75% 1998, 68% avg.; 38% milk, 13% 1998, 31% avg. Dry bean 2% fair, 84% good, 14% excellent. Dry bean 96% bloom, 100% 1998, 98% avg.; 73% setting pods, 67% 1998, 67% avg.; leaves 6% turning, 0% 1998, 4% avg. Alfalfa 2nd 34% cutting, 28% 1998, 31% avg. Other 66% hay cut, 72% 1998, 73% avg. Range pasture feed 1% poor, 18% fair, 69% good, 12% excellent. Temperatures fell slightly, but conditions remained predominantly warm, dry for most of the State.