**ALABAMA:** Days suitable for fieldwork 4.5. Topsoil 4% short, 68% adequate, 28% surplus. Temperatures a few degrees below normal. Rainfall continued in many areas hampering pest control, other fieldwork. Corn 95% silked, 98% 1998, 94% avg.; 58% droughed; 37% dented, 59% 1998, 48% avg.; 11% mature, 29% 1998. Hay 99% harvested, 100% 1998, 99% avg. Corn 1% poor, 13% fair, 60% good, 26% excellent. Pasture 12% poor, 12% fair, 63% good, 23% excellent. Livestock 1% poor, 15% fair, 60% good, 24% excellent. Vegetable harvest continued Statewide, as well as late season tomato, pumpkin planting.

**ALASKA:** Days suitable for fieldwork 2.8. Topsoil 20% short, 80% adequate. Subsoil 30% short, 70% adequate. Scattered showers brought welcomed moisture to the small grain crops, made the hay harvest difficult. Daytime high temperatures were mostly in the sixties and seventies. Lows were mostly in the forties and fifties. Oats 15% boot and earlier, 80% headed, 5% in dough. Barley, 60% headed, 40% in dough. Oat crop prospects, 20% below average, 70% average, 10% above average. Barley crop prospects, 40% below average, 60% average. Small grain 19.3 in. height, 18.6 in. 1998. Hay harvested, 65%, 65% 1998. Hay crop prospects, 30% below average, 65% average, 5% above average. Potato plants 10% bloomed; 16 in. plant height, 11 in. 1998. Potato crop prospects, 20% below average, 75% average, 5% above average. Vegetable crop prospects, 5% below average, 80% average, 15% above average. Crop growth, 35% slow, 35% moderate, 30% rapid. Wind damage to small grain fields, 95% none, 5% light. Major activities included: Cutting hay, harvesting hay, harvesting lettuce, greens, radishes, squash, broccoli, Chinese vegetables, weed control, irrigating crops, machinery repair.

**ARIZONA:** Widespread heavy rains throughout the State caused improved pasture conditions. Cotton squaring is still ahead of 1998, slightly behind the average. Alfalfa harvest activity 56% not being harvested, 6% light, 11% moderate, 27% active. Alfalfa 5% poor, 17% fair, 59% good, 19% excellent. Central producers shipped a variety of fruits, vegetables, melons last week. Grape shipments included currants, flame seedless, Thompson. Vegetable shipments consisted of parsley and sweet corn. Melon shipments included canary, cantaloupe, casaba, crenshaw, golden honeydew, honeydew, orange flesh, Santa Claus, and watermelons. Eastern producers shipped greenhouse tomatoes and dry onions. Western producers harvested a variety of grapes, melons. Melon shipments included canary, cantaloupe, honeydew, watermelons while grape shipments included beauty seedless, flame seedless, perlettes, Thompsons. Central, western areas citrus producers shipped grapefruit last week.

**ARKANSAS:** Days suitable for fieldwork 6. Topsoil 5% very short, 31% short, 61% adequate, 3% surplus. Temperatures below normal. Frontal passage brought heat relief early in the week, but didn't produce a widespread rainfall event. Rainfall much below normal. Most crops good condition. Livestock good condition. Main farm: Fertilizing cotton, corn, rice, warm season forages, harvesting wheat and hay. Other activities: Irrigating corn, soybeans, cotton, sorghum, rice, cultivating cotton, spraying cotton for boll weevils, bullworms, fields for insects, weeds, putting down lime, scouting for sheath blight in rice, spraying of rice, cotton, soybean fields for weeds, applying mid-season nitrogen applications to rice, fruit harvesting, treating cattle for external parasites for summer insect control by dusting, ear tagging cattle, vaccinating cattle, weaning calves. Cotton 100% squared, 77% setting bolls; 3% poor 24% fair 57% good 16% excellent. Soybeans 35% bloomed, 9% setting pods; 6% poor 32% fair 49% good 13% excellent. Sorghum 100% emerged, 61% headed, 2% turning color; 4% poor 28% fair 58% good 10% excellent. Wheat 99% harvested. Oats 98% harvested. Alfalfa 20% fair 74% good 6% excellent. Other hay 4% poor 26% fair 57% good, 13% excellent. Range, pastures feed 5% poor 24% fair 57% good 14% excellent.

**CALIFORNIA:** Field activities progressed normally under favorable conditions in most areas. Grain harvests of wheat, barley, oats were nearing completion, except at higher elevations. Rice except at higher elevations. Growth was improving in most fields, as weed problems were brought under control with herbicide treatments. Cotton bloom was ongoing in most fields in the San Joaquin and Sacramento valleys. Young plants were setting bolls. Cotton fields were irrigated, thinned, weeded, sprayed for armyworms, leafhoppers, lygus; some fields received their final cultivation. Seed alfalfa was treated for aphids, lygus and weevils, most fields were in full bloom. Black eye beans, safflower were sprayed for lygus. Sunflowers were maturing rapidly in the Sacramento Valley. Growers knocked down milk plants as pollination progressed. Old crop sugar beet harvest continued in the central San Joaquin Valley. New crop sugar beets in the San Joaquin Valley were mowed off to halt bolting. Corn silage harvest continued in southern counties. A few second crop corn fields were planted following small grain harvest. Alfalfa and Sudan grass were cut, baled for hay. Some alfalfa fields were treated for weeds. Grape growers were applying sulfur and insecticides to control powdery mildew, insects. Harvest of grapes for fresh use continued in the San Joaquin Valley. Early pickings from Kern County included Perlette, Flame Seedless varieties. Picking of fresh use grapes in the Coachella Valley was winding down; Flame Seedless, Thompson Seedless were still being picked. Other cultural activities last week included irrigation, weed control in vineyards, orchards. Harvest of apricots, nectarines, plums, freestone peaches continued. Quality was noted. Apple trees were treated for codling moths. Olive trees exhibited a good fruit set that was maturing well. Tree limbs in almond orchards remained supported to bear the heavy nut set. Pistachio trees were sprayed with fungicides. Walnut trees were treated for blight. Valencia oranges, lemons were picked in southern areas. Processing tomatoes were setting fruit throughout the San Joaquin, Sacramento valleys. Harvest is expected to begin the last week of July in the central San Joaquin Valley. Some tomato fields were treated for mildew, tomato fruit worm, stink bugs, cabbage loopers, thrips. Sweet corn harvest continued to accelerate; growers were treating for earworms. Cantaloupe fields were treated for mites, aphids, leafhoppers. Cantaloupe harvest in the San Joaquin Valley continued; honeydew melon harvest was just getting underway. Fall melon fields were being planted. Other crops harvested included: Beans, broccoli, carrots, celery, cilantro, cucumbers, garlic, leeks, squash, turnips, onions, peppers, potatoes, watermelon, various greens, herbs. California’s range conditions continued to seasonally decline. Rangeland forage at upper elevations was in good to fair condition, but drying rapidly. Lower elevation vegetation was very dry, with high danger of range fires. Irrigated pastures were in generally good condition. Some foothill pastures received further damage from heavy grasshopper infestations. Livestock were in good to fair condition, with some heat stress reported. Milk production was down slightly, due to the higher temperatures. Bees were pollinating seed alfalfa, melons in the San Joaquin Valley.

**COLORADO:** Days suitable for fieldwork 5.9. Topsoil 3% very short, 39% short, 56% adequate, 3% surplus. Subsoil 3% very short, 28% 24% fair 57% good 16% excellent. Soybeans 35% bloomed, 9% setting pods; 6% poor 32% fair 49% good 13% excellent. Sorghum 100% emerged, 61% headed, 2% turning color; 4% poor 28% fair 58% good 10% excellent. Wheat 99% harvested. Oats 98% harvested. Alfalfa 20% fair 74% good 6% excellent. Other hay 4% poor 26% fair 57% good, 13% excellent. Range, pastures feed 5% poor 24% fair 57% good 14% excellent.

**COLOMBIA**
short, 66% adequate, 3% surplus. Scattered, afternoonthunderstorms produced some heavy downpours that caused localized flooding in a few areas. Weather generally favored growth, development of all crops, allowed producers to make excellent progress in harvesting winter wheat. Winter wheat 95% ripe, 96% 1998, 86% avg. Spring wheat 84% headed, 93% 1998, 91% avg.; 33% turning color, 46% 1998, 32% avg.; 5% harvested, 0% 1998, 0% avg.; 4% poor, 16% fair, 51% good, 29% excellent. Spring barley 54% turning color, 56% 1998, 50% avg.; 5% harvested, 2% 1998, 5% avg.; 1% poor, 3% fair, 8% good, 78% excellent. Sorghum 2% headed, 2% 1998, 2% avg. Oats 97 headed, 98% 1998, 90% avg.; 47% turning color, 54% 1998, 50% avg.; 3% poor, 17% fair, 70% good, 10% excellent. Dry onions 1% very poor, 3% poor, 8% fair, 65% good, 23% excellent. Sugar beets 4% poor, 10% fair, 49% good, 37% excellent. Dry beans 21% flowered, 24% 1998, 20% avg.; 2% poor, 11% fair, 54% good, 33% excellent. Corn 3% silked, 22% 1998, 13% avg.; 1% poor, 3% fair, 98% good. Fall potatoes 7% poor, 12% fair, 41% good, 40% excellent. Alfalfa 38% 2nd cutting, 34% 1998, 35% avg.; 1% very poor, 2% poor, 19% fair, 61% good, 17% excellent. Range, pasture feed in mostly good condition.

DELWARE: Days suitable for fieldwork 6.3. Topsoil 3% very short, 72% short, 25% adequate. Subsoil 4% very short, 49% short, 47% adequate. Winter wheat 91% harvested, 98% 1998, 94% avg. Field corn 8% poor, 35% fair, 42% good, 15% excellent; 50% silked, 52% 1998, 39% avg.; 9% dough, 9% 1998, 4% avg. Soybeans 11% poor, 32% fair, 51% good, 6% excellent; 12% bloomed, 9% 1998, 14% avg; 5% setting pods, 0% 1998, 1% avg. Sorghum 1% poor, 30% fair, 65% good, 4% excellent; 7% headed, 5% 1998, 5% avg. Sweet corn 16% harvested, 20% 1998, 19% avg. Snap beans 20% harvested, 14% 1998, 25% avg. Cantaloupes 8% harvested, 8% 1998, 8% avg. Watermelons 8% harvested, 9% 1998, 5% avg. Cucumbers 20% harvested, 25% 1998, 29% avg. Lima beans 15% harvested, 14% 1998, 4% avg. Tomatoes 13% harvested, 8% 1998, 8% avg. Potatoes 30% harvested, 19% 1998, 18% avg. Clover and other hay 72% 2nd cutting, 92% 1998, 70% avg.; 47% 3rd cutting, 54% 1998, 14% avg. Alfalfa hay 85% 2nd cutting harvested, 95% 1998, 87% avg.; 35% 3rd cutting harvested, 26% 1998, 12% avg. Hay supplies 22% short and 78% adequate. Pasture feed 3% very poor, 3% poor, 32% fair, 33% good. Apples 16% fair, 74% fair, 10% excellent. Peaches 22% fair, 71% good, 7% excellent; 12% harvested, 19% 1998, 15% avg. Activities: Continued harvesting of veggies, fruits.

HAWAII: Crop made fair progress. Northern islands received beneficial mixture of sunshine, showers. Rainfall was lighter in the southern islands where many areas remained very dry. Mandatory water conservation was increased from 10 to 25% for users in the Upcountry area of Maui island. Agricultural water users were given a 60-day exemption from the 25% cutback to allow for adjustments to their operations. Upcountry Maui is one of the State’s major vegetable, flower growing regions. Banana orchards were in fair to good condition. Warm, sunny conditions were conducive to growth. Regular spraying was minimizing disease. Papaya orchards ranged poor to good condition. Harvesting varied from light to heavy. Vegetable crops were in mostly good condition. Regular irrigation, spraying are offsetting some of the adverse effects of the warmer weather.

IDAHO: Days suitable for fieldwork 6.8. Topsoil 5% very short, 31% short, 63% adequate, 1% surplus. Windy conditions across much of the State creating lodging conditions in barley fields. Northern, eastern areas having problems with aphids. Apricot harvest just underway in Treasure Valley. Irrigation supply 1% poor, 2% fair, 33% good, 64% excellent. Alfalfa hay 98% 1st cutting, 96% 1998, 97% avg.; 33% 2nd cutting, 27% 1998, 23% avg. Oats 82 headed. Mint 4 harvested, 5% 1998, 6% avg. Cherries 84% harvested, 92% 1998, 94% avg. Peaches 1 harvested, 1% 1998, 6% avg. Potatoes 92% 12 in. high, 96% 1998, 96% avg. Sugar beets 99% filled, 96% 1998, 94% avg.; 97% turning yellow, 85% 1998, 78% avg.; 65% ripe, 46% 1998, 39% avg.; 42% harvested, 6% 1998, 12% avg. Alfalfa 84% 2nd cut, 73% 1998, 64% avg.; 10% 3rd cut, 5% 1998, 4% avg.; 1% very poor, 4% poor, 23% fair, 61% good, 11% excellent. Red clover 93% cut, 94% 1998, 96% avg.

ILLINOIS: Days suitable for fieldwork 6.7. Topsoil 10% very short, 43% short, 45% adequate, 2% surplus. More dry weather last week helped farmers finish wheat harvest, progress quickly with oats harvest, signs of heat stress on the corn, soybean crops is becoming more evident. Oat harvest was in full swing. Other activities for last week included uploading grain, baling hay, mowing weeds, scouting fields, FSA harvest, sanitation. Oats 99% filled, 96% 1998, 94% avg.; 97% turning yellow, 85% 1998, 78% avg.; 65% ripe, 46% 1998, 39% avg.; 42% harvested, 6% 1998, 12% avg. Alfalfa 84% 2nd cut, 73% 1998, 64% avg.; 10% 3rd cut, 5% 1998, 4% avg.; 1% very poor, 4% poor, 23% fair, 61% good, 11% excellent. Red clover 93% cut, 94% 1998, 96% avg.

INDIANA: Days suitable for fieldwork 6.8. Topsoil 25% very short, 46% short, 28% adequate, 1% surplus. Subsoil 14% very short, 47% short, 37% adequate, 2% surplus. Warm, dry week. Major crops under stress. Corn, soybean condition declined. Dry conditions exist central, northern areas. Scattered showers during weekend helped, some areas. Wheat harvest virtually complete. Good yields Statewide. Pastures deteriorating rapidly, 38% good to excellent. Alfalfa hay 95% 2nd cutting, 70% 1998, 52% avg. Activities: Harvesting wheat, irrigating crops, applying post-emergence chemicals, selling grain, mowing roads and pastures, baling
IOWA: Days suitable for fieldwork 6.6. Topsoil 5% very short; 28% short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus. Warm weather helped crop development; producers indicate rain is needed. Some crops on lighter soils showing signs of stress. Leaf hoppers reported in northeast, west central, central districts. Corn 41% tasseled, 68% 1998, 38% avg.; 20% silked, 44% 1998, 23% avg. Corn 2% very poor, 6% poor, 19% fair, 45% good, 28% excellent. Soybeans 65% blooming, 73% 1998, 56% avg.; 12% setting pods, 92% 1998, 42% avg.; 2% very poor, 6% poor, 20% fair, 47% good, 23% excellent. Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent.  Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. Winter wheat 83% harvested, 68% 1998, 60% avg. Livestock generally 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent. 21% 1998, 16% poor, 20% fair, 47% good, 23% excellent; 2% very poor, 13% poor, 34% fair, 41% good, 27% excellent. Warm weather helped crop development; short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus. Days suitable for fieldwork 6.6. Topsoil 5% very short; 28% short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus. Warm weather helped crop development; producers indicate rain is needed. Some crops on lighter soils showing signs of stress. Leaf hoppers reported in northeast, west central, central districts. Corn 41% tasseled, 68% 1998, 38% avg.; 20% silked, 44% 1998, 23% avg. Corn 2% very poor, 6% poor, 19% fair, 45% good, 28% excellent. Soybeans 65% blooming, 73% 1998, 56% avg.; 12% setting pods, 92% 1998, 42% avg.; 2% very poor, 6% poor, 20% fair, 47% good, 23% excellent. Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. Winter wheat 83% harvested, 68% 1998, 60% avg. Livestock generally 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent.  Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. Winter wheat 83% harvested, 68% 1998, 60% avg. Livestock generally 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent. 21% 1998, 16% poor, 20% fair, 47% good, 23% excellent; 2% very poor, 13% poor, 34% fair, 41% good, 27% excellent. Warm weather helped crop development; short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus. Days suitable for fieldwork 6.6. Topsoil 5% very short; 28% short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus. Warm weather helped crop development; producers indicate rain is needed. Some crops on lighter soils showing signs of stress. Leaf hoppers reported in northeast, west central, central districts. Corn 41% tasseled, 68% 1998, 38% avg.; 20% silked, 44% 1998, 23% avg. Corn 2% very poor, 6% poor, 19% fair, 45% good, 28% excellent. Soybeans 65% blooming, 73% 1998, 56% avg.; 12% setting pods, 92% 1998, 42% avg.; 2% very poor, 6% poor, 20% fair, 47% good, 23% excellent. Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. Winter wheat 83% harvested, 68% 1998, 60% avg. Livestock generally 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent.  Oats 98% turning, 92% 1998, 87% avg.; 27% harvested, 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. Winter wheat 83% harvested, 68% 1998, 60% avg. Livestock generally 14% 1998, 15% avg.; 6% poor, 20% fair, 51% good, 23% excellent. 25% excellent. 21% 1998, 16% poor, 20% fair, 47% good, 23% excellent; 2% very poor, 13% poor, 34% fair, 41% good, 27% excellent. Warm weather helped crop development; short, 62% adequate, 5% surplus. Subsoil 2% very short, 13% short, 76% adequate, 9% surplus.
MONTANA:  Days suitable for fieldwork 6.2.  Topsoil 13% very short, 51% short, 34% adequate, 2% surplus.  Subsoil 14% very short, 38% short, 45% adequate, 3% surplus.  Majority of the State did not receive precipitation, excluding some locations in the northeastern part of the State.  Sugar beets 3% poor, 11% fair, 45% good, 41% excellent.  Winter wheat 94% turning, 84% 1998, 70% avg.; 4% ripe, 15% 1998, 6% avg.; 1% very poor, 13% poor, 30% fair, 46% good, 10% excellent.  Spring wheat 8% turning, 31% 1998, 15% avg.  Barley 23% turning, 25% 1998, 18% avg.  Acreage 84% harvested, 99% turn 1998, 100% avg.; 95% 1998, 15% avg.; 1% very poor, 4% poor, 24% fair, 59% good, 12% excellent.  Corn 2% poor, 5% fair, 59% good, 34% excellent.  Potatoes 1% poor, 19% fair, 51% good, 29% excellent.  Dry beans 3% poor, 5% fair, 78% good, 14% excellent.  Alfalfa 85% 1st cutting 85%, 75% 1998, 81% avg.; 2% 2nd cutting 2%, 2% 1998, 2% avg.  Other hay 60% harvested, 46% 1998, 61% avg.

NEBRASKA:  Days suitable for fieldwork 6.5.  Statewide, temperatures averaged near normals.  Topsoil 1% very short, 28% short, 70% adequate, 1% surplus.  Subsoil 1% very short, 12% short, 85% adequate, 2% surplus.  Precipitation traces north central to over 2.75 in. northwest.  Corn 1% very poor, 4% poor, 15% fair, 56% good, 24% excellent.  Irrigated corn 79%, dryland corn 82% in good or excellent; silking 22%, 61% 1998, 35% avg.  Soybeans 44% blooming, 61% 1998, 43% avg.; 4% setting pods, 5% 1998, 5% avg.; 1% very poor, 3% poor, 20% fair, 59% good, 17% excellent.  Sorghum 5% headed, just above 1998 and average; 1% poor, 19% fair, 70% good, and 10% excellent.  Dry beans 2% poor, 20% fair, 72% good, 6% excellent; 24% blooming, 12% 1998, 24% avg.  Wheat 93% 1998, 87% 1998, 81% avg.; 72% harvest 1998, 58% avg.  Oats 34% harvest, 24% 1998, 30% avg.; 2% poor, 11% fair, 67% good, 20% excellent.  Alfalfa 73% 2nd cutting, 60% 1998, 58% avg.; 1% very poor, 2% poor, 16% fair, 67% good, 14% excellent.  Range, pasture feed 3% poor, 18% fair, 64% good, 15% excellent.  Wild hay 2% poor, 12% fair, 71% good, 15% excellent.  Pastures, as well as other dryland crops, were under some stress due to hot temperatures.  Producer activities: irrigating, cultivating soybeans, sorghum, applying herbicide, insect scouting, harvesting wheat, alfalfa, oats, marketing of crops.

NEVADA:  Weather in north started out with slightly above normal temperatures, but cooled later in the week.  Elko was the only exception, with below normal temperatures every day except on the 13th.  Southern areas had below normal temperatures for the week, a significant amount of precipitation.  Las Vegas reported 0.85 in. of rainfall for the week.  Elly had precipitation of 0.22 in. followed by Winnemucca with 0.1 in. Reno and Elko reported trace amounts of precipitation.  Pasture, range conditions remained stable as some needed precipitation was received.  First cutting of alfalfa was completed throughout the State.  Second cutting continued as were tilling.  Cutting alfalfa is expected to be severely affected.  Harvest continues for snap beans, tomatoes, squash, sweet corn, peppers, potatoes and other vegetables.  Some fields are being prepared for seeding of fall vegetables.  Peach still in good and excellent condition in southern areas where most of the commercial orchards are being irrigated.  Peaches in northern areas are between good and fair.  Harvest of peaches in southern areas continues.  Apple conditions are between fair, good.  Blueberry harvest is past its peak in southern areas the quality of the fruit is between good, excellent.  Cranberries are in the flower set stage, doing well.

NEW ENGLAND:  Days suitable for fieldwork 6.8.  Topsoil 21% very short, 52% short, 27% adequate.  Subsoil 18% very short, 51% short, 31% adequate.  Pasture feed 6% very poor, 21% poor, 43% fair, 24% good, 6% excellent.  Maine potatoes 100% emerged, condition good.  Rhode Island potatoes 5% harvested, condition fair.  Oats in Maine 100% emerged, condition excellent to good.  barley in Maine 100% emerged, condition excellent to good.  Field corn 100% emerged, condition good to excellent.  Sweet corn 100% emerged; 15% harvested, 5% 1998, 5% avg.; condition good to fair.  Shade Tobacco 10% harvested, 10% 1998, 10% avg.; condition good.  Broadleaf Tobacco <3% harvested, <5% 1998, <5% avg.; condition good.  First cut hay 99% 1998, 83% avg.; 5% turn 1998, 85% avg.; condition good to fair.  Second cut hay 30% harvested, 25% 1998, 25% avg.; condition good to fair.  Apples set average, size average, condition good to fair.  Peaches 5% harvested; set average, size average, condition fair.  Wild Blueberries <5% harvested; set average, size average, condition fair.  Major farm activities included: Irrigating where available; harvesting blueberries, raspberries, shade tobacco and vegetables including sweet corn; monitoring for pest and applying pesticides where required; preparing equipment for potato, oats and barley harvest; side dressing crops, mowing weeds.

NEW JERSEY:  Days suitable for fieldwork 7.  Temperatures above normal north, central; below normal south.  Extremes 47 o ; 102 o .  Rainfall 0.17 in. north, 0.20 in. central, 0.64 in. south.  Heaviest 24 hour total 0.99 in. at Pomona on the 12th to the 13th.  Estimated soil moisture, in percent of field capacity, this past week averaged 56 north, 45% central, 43% south.  Four inch soil temperatures 71 o north, 73 o central, 72 o south.  Harvest of wheat, rye and barley is nearly completed in the southern counties, still in progress in State.  Wheat, rye has been rated as fair while barley is still in good condition.  Corn is between good, fair condition in the south, fair in central areas, between fair and poor in northern areas.  Some fields in that area are starting to tassel before they reached 30 in. height.  Soybeans conditions are similar to corn.  Condition of the second crop of alfalfa is between fair, poor.  Pastures are drying out rapidly across the State due to the lack of rain and excessive hot temperatures.  Loss of cattle to heat stress has been reported.  Supplemental feeding is increasing.  Most irrigated vegetable fields are still in good condition while non-irrigated vegetables are in fair and poor condition, yields are expected to be severely affected.  Harvest continues for snap beans, tomatoes, squash, sweet corn, peppers, potatoes and other vegetables.  Some fields are being prepared for seeding of fall vegetables.  Peach still in good and excellent condition in southern areas where most of the commercial orchards are being irrigated.  Peaches in northern areas are between good and fair.  Harvest of peaches in southern areas continues.  Apple conditions are between fair, good.  Blueberry harvest is past its peak in southern areas the quality of the fruit is between good, excellent.  Cranberries are in the flower set stage, doing well.


NORTH CAROLINA:  Days suitable for fieldwork 3.4, 5.4 last week.  Soil moisture levels recovered, 1% very short, 6% short, 71% adequate, 22% surplus.  Cooler temperatures, widespread rainfall provided relief from the extreme heat.  Mild weather, ground soaking precipitation was welcomed in all areas, crops have responded.  Limited progress was made with the remaining soybean acres to be planted.  Irish potato growers took advantage of breaks in the weather to make modest harvest gains.  Other activities included weed control in all crops, sucker control, topping in tobacco, tending livestock.  Overall, it was a quiet week in which farmers just enjoyed watching it rain.  Recent rains came at an optimal time for corn as the silked, dough stages are at 80%, 50%, respectively.  Likewise, the cotton crop will benefit as a significant portion of the crop has squared, now setting bolls.
NORTH DAKOTA: Days suitable for fieldwork 5. Warm, dry weather is needed to aid the development of row crops and allow producers to finish the hay harvest. Wheat midge activity started to spread throughout the State. Topsoil 0% very poor, 7% short, 77% adequate, 16% surplus. Subsoil 0% very poor, 1% short, 76% adequate, 20% surplus. Durum wheat 54% boot, 95% 1998, 83% avg; 30% heading, 84% 1998, 63% avg; 9% milk, 32% 1998, 19% avg. Canola 86% blooming, 98% 1998. Corn 19% tasseling, 44% 1998, 22% avg. Dry edible beans 38% blooming, 76% 1998, 48% avg. Flaxseed 54% blooming, 85% 1998, 50% avg. Potatoes 66% blooming, 86% 1998, 70% avg; 52% rows filled, 71% 1998, 44% avg. Soybeans 23% blooming, 55% 1998, 44% avg. Sunflowers 2% blooming, 3% 1998, 2% avg. Emerged crop condition: durum 0% very poor, 6% poor, 26% fair, 60% good, 8% excellent; canola 0% very poor, 3% poor, 20% fair, 61% good, 16% excellent; corn 2% very poor, 5% poor, 21% fair, 62% good, 10% excellent; dry edible beans 0% very poor, 7% poor, 22% fair, 56% good, 15% excellent; flaxseed 0% very poor, 4% poor, 22% fair, 61% good, 13% excellent; potatoes 0% very poor, 5% poor, 12% fair, 52% good, 31% excellent; soybeans 0% very poor, 8% poor, 26% fair, 55% good, 11% excellent; sugar beets 0% very poor, 5% poor, 17% fair, 51% good, 27% excellent; sunflower 0% very poor, 4% poor, 22% fair, 64% good, 10% excellent. Stockwater supplies rated 0% very poor, 1% short, 86% adequate, 13% surplus. End of the week rain showers slowed haying progress. Hay condition rated 7% above normal.

OHIO: Days suitable for fieldwork 6.8. Topsoil 36% very short, 43% short, 21% adequate. Soybeans 77% blooming, 58% 1998, 43% avg.; 15% setting pods, 12% 1998, 6% avg. Winter wheat 99% harvested, 98% 1998, 70% avg. Oats 84% ripe, 59% 1998, 55% avg.; 28% harvested, 15% 1998, 10% avg. Alfalfa 88% 2nd cutting, 62% 1998, 51% avg. Alfalfa hay 8% 3rd cutting, 0% avg. Other hay 88% 1st cutting, 62% 1998, 51% avg. Corn 5% very poor, 6% poor, 26% fair, 60% good, 8% excellent; tomatoes 0% very poor, 3% poor, 20% fair, 61% good, 16% excellent; corn 2% very poor, 5% poor, 21% fair, 62% good, 10% excellent; dry edible beans 0% very poor, 7% poor, 22% fair, 56% good, 15% excellent; flaxseed 0% very poor, 4% poor, 22% fair, 61% good, 13% excellent; potatoes 0% very poor, 5% poor, 12% fair, 52% good, 31% excellent; soybeans 0% very poor, 8% poor, 26% fair, 55% good, 11% excellent; sugar beets 0% very poor, 5% poor, 17% fair, 51% good, 27% excellent; sunflower 0% very poor, 4% poor, 22% fair, 64% good, 10% excellent. Stockwater supplies rated 0% very poor, 1% short, 86% adequate, 13% surplus. End of the week rain showers slowed haying progress. Hay condition rated 7% above normal.

OREGON: Days suitable for fieldwork 6.9. Topsoil 19% very short, 49% short, 30% adequate, 2% surplus. Subsoil 18% very short, 43% short, 38% adequate, 1% surplus. Barley harvested 2%. Spring wheat harvested 1%. Winter wheat harvested 7%. Range & pasture 1% very poor, 7% poor, 29% fair, 59% good, 4% excellent. Activities: On east side, spring grain harvest underway, yields report disappointing. Test weights light, kernels small, many pinched. Spring barley recrop fields reported inadequate, may not justify harvest. Grass seed harvest starting in east, nearing completion in west. Alfalfa cutting continued, working wild meadow hay. Klamath Basin Sugarbeets rows 85% closed. Willamette Valley grass seed fields being cut, hay in second cutting. Mint growing well, harvest started. Greenhouses & nurseries are irrigating, doing weed control. Have limited digging & planting going on. Christmas tree shearing started. Some Easter lily growers sub-soiling to break up woolly in planting preparation. Willamette Valley vegetables good, green beans being harvested. Irrigation required for sweet corn & green beans, onions late. Fresh market vegetables being harvested, more planted. Vegetables east of the Cascades looked good except those suffering from wind and hail damage. Potato fungicides being applied, early potatoes being dug. Willamette Valley strawberry harvest about finished, everbearing strawberries still available. Raspberries, Marion berries, blackberries, blueberries being harvested. Sweet cherry harvest underway, huckleberries, hazelnuts continued to size. Rogue Valley River blackberries, raspberries, blueberries being picked. Pears sizing. South coast cranberry fertilization continued. Wasco County fresh cherry harvest winding down, light crop. Livestock condition mostly good. Some sheep shered on south coast. Feed cattle shipped from Rouge River Valley. Rangeland continued to dry out, generally in better condition then normal for this time.

PENNSYLVANIA: Days suitable for fieldwork 6.4. Soil moisture 59% very short, 31% short, 10% adequate. Soybean, corn conditions continued to decline as a result of the recent hot, dry weather. Corn 58% 1998, 35% 2018, 20% avg. Corn dented 6% complete, 0% 1998, 0% avg.; height 50 in., 49 in. 1998, 48 in. avg.; 16% very poor, 29% poor, 36% fair, 16% good, 3% excellent. Soybean 12% very poor, 16% poor, 38% fair, 31% good, 3% excellent. Barley 97% ripe, 100% 1998, 96% avg.; 95% harvested, 97% 1998, 86% avg. Wheat 89% ripe, 95% 1998, 86% avg.; 70% harvested, 82% 1998, 58% avg.; 1% poor, 12% fair, 76% good, 11% excellent. Oats 70% turning yellow, 71% 1998, 66% avg.; 35% ripe, 23% 1998, 24% avg.; 15% harvested, 4% 1998, 6% avg.; 3% very poor, 18% poor, 38% fair, 38% good, 3% excellent. Alfalfa 3rd cutting 16% complete, 4% 1998, 1% avg.; 2nd cutting 73% complete, 62% 1998, 55% avg. Timothy clover 1st cutting 96% complete, 89% 1998, 89% avg.; 2nd cutting 28% complete, 14% 1998, 14% avg. Quality of hay made 1% very poor, 8% poor, 21% fair, 48% good, 22% excellent. Peach harvest 6% complete, 13% 1998, 3% avg.; 1% very poor, 3% poor, 18% fair, 67% good, 11% excellent. Apple 6% poor, 12% fair, 71% good, 11% excellent. Activities: Harvesting barley, wheat, oats, fruits, vegetables; machinery maintenance; filling silos; hauling manure; spreading fertilizers; covering for livestock; building, repairing fences; cutting hay; making haylage; applying pesticides; irrigating crops.

SOUTH CAROLINA: Days suitable for fieldwork 5.4. Soil moisture 1% very short, 9% short, 80% adequate, 10% surplus. Cantaloupes 88% harvested, 1998, 89% 1998, 85% avg.; 2% very poor, 16% poor, 64% fair, 18% good. Corn 57% doughed, 77% 1998, 77% avg.; 6% very poor, 14% poor, 34% fair, 40% good, 6% excellent. Cucumbers 100% harvested, 100% 1998, 89% avg. Hay 7% poor, 24% fair, 62% good, 7% excellent. Peaches 57% harvested, 59% 1998, 57% avg.; 3% poor, 24% fair, 34% good, 39% excellent. Snapbeans 75% harvested, 96% 1998, 77% avg. Sorghum 100% planted, 100% 1998, 95% avg.; 2% very poor, 8% poor, 10% fair, 66% good, 14% excellent. Sweet potatoes 3% poor, 18% fair, 78% good, 1% excellent. Tomatoes 100% harvested, 100% 1998, 100% avg. Watermelons 80% harvested, 89% 1998, 83% avg.

SOUTH DAKOTA: Topsoil 1% very short, 14% short, 73% adequate, 12% surplus. Subsoil 2% short, 86% adequate, 12% surplus. Weather across the State allowed crops to advance with development still ahead
of the five-year average. Warm, dry weather enabled producers to make great progress in haying, cultivating, spraying. Corn 54 in. height., 62 in. 1998, 49 in. avg.; 98% 1st cultivation, 97% 1998, 98% avg.; 79% 2nd cultivation , 90% 1998, 79% avg. Corn 17% tasseled 17%, 37% 1998, 18% avg. Corn 3% silked 3%, 14% 1998, 8% avg. Winter rye 28% excellent, 54% good, 12% fair, 6% poor. Flaxseed 21% excellent, 61% good, 17% fair, 1% poor. Alfalfa 31% excellent, 55% good, 12% fair, 2% poor. Sunflower 22% excellent, 57% good, 18% fair, 3% poor. Winter wheat 39% excellent, 55% good, 15% good, 5% very poor. Tobacco 95% turning color, 99% 1998, 94% avg. Winter wheat 79% ripe, 80% 1998, 52% avg. Winter rye 93% turning color, 96% 1998, 90% avg.; 32% ripe, 62% 1998, 45% avg.; 1% combined, 35% 1998, 10% avg. Spring wheat 64% turning color, 74% 1998, 47% avg. Spring wheat 9% ripe, 22% 1998, 7% avg. Oats 55% turning color, 75% 1998, 49% avg.; 19% ripe, 39% 1998, 22% avg. Barley 43% turning color, 75% 1998, 53% avg.; 11% ripe, 21% 1998, 10% avg. Flaxseed 58% blooming, 79% 1998, 60% avg.; 0% ripe, 34% 1998, 7% avg. Sunflower 3% blooming, 29% 1998, 8% avg. Alfalfa 97% 1st cutting, 97% 1998, 97% avg.; 36% 2nd cutting, 45% 1998, 30% avg. Other hay 62% harvested, 59% 1998, 57% avg. Cattle 30% excellent, 62% good, 8% fair. Sheep 36% excellent, 60% good, 4% fair. Stock water 15% surplus, 83% adequate, 2% short.

TEXAS: Scattered evening showers, thunderstorms kept field activity minimal most Central, South fields. Fieldwork in Plains however moved ahead without much delay. Temperatures more summerlike across State. Many dryland crops Plains, North Central need more rain. Irrigation activity remained steady these areas. Livestock conditions remained good across most areas. Ranges, pastures continued show good, 11% surplus. Black shank problems, spread of blue mold continue to concern some tobacco producers. Timely rains have much needed rainfall, damage to early corn is irreversible as extreme heat, aggressive as pasture, water, hay supplies remain short. Despite the much needed rainfall, damage to early corn is irreversible as extreme heat, dry conditions limited growth to 3 to 4 feet in many fields. Early planted soybeans are also short on growth. Tobacco condition remain virtually unchanged from previous week. Black shank problems, spread of blue mold continue to concern some tobacco producers. Timely rains have greatly improved the condition of the peanut, cotton crops. Producers of potatoes, tomatoes, snap beans, sweet corn, cucumbers, squash, avg. 32% harvested, 30% 1998, 23% avg. Soybeans: Stands good, irrigation steady in Plains during week. Fields had begun to bloom. Some early fields harvested in Northern Blacklands. Continued wet conditions along Upper Coast could lead to quality, disease problems. Many fields ready for harvest. Other Crops: Sunflowers 96% planted, 95% 1998, 96% avg.


Range and Livestock: Conditions remained good most areas, continued rainfall increased growth, greening. Grasshoppers continued cause damage many areas. Haying activity continued Northern areas where less rain fell. Livestock conditions remained good. Flys still problem untreated herds. Spring calves, lambs in good condition.

TEXAS: Days suitable for fieldwork 5.0. Topsoil 1% very short, 14% short, 76% adequate, 9% surplus. Subsoil 1% very short, 12% short, 76% adequate, 11% surplus. Corn 94% tasseled, 87% 1998, 87% avg; 26% dough stage, 21% 1998, 24% avg; 1% poor, 14% fair, 53% good, 32% excellent. Tobacco 20% topped, 12% 1998, 16% avg; 2% very poor; 2% poor, 58% good, 15% excellent. Pasture feed 1% very poor, 7% poor, 27% fair, 56% good, 9% excellent. Alfalfa second cutting 76%, 83% 1998, 86% avg; 1% poor, 21% fair, 65% good, 13% excellent. Most crops throughout the State continued to benefit from the late June and early July rains, although some areas need additional rain to keep yield potential at their maximum. Tobacco growers, on the other hand, would like drier weather so water logged fields can dry out. Tobacco growers were busy spraying for pests as well as topping their early set fields. Insect pressure, spread of blue mold have been reported. Alfalfa growers continued with their second cutting of the year, slightly behind the normal pace. Other field activities included: Applying herbicides, insecticides.

UTAH: Days suitable for fieldwork 6. Topsoil 5% very short, 31% short, 62% adequate, 2% surplus. Subsoil 4% very short, 28% short, 68% adequate. Range, pasture feed 2% very poor, 7% poor, 31% fair, 59% good, 1% excellent. Corn height 44 in., 54 in. 1998, 40 in. avg. Winter wheat 4% emerged, 11% 1998, 15% avg. Spring wheat 96% headed, 88% 1998, 92% avg. Barley 97% headed, 79% 1998, 92% avg. Alfalfa hay: 37% 2nd cutting, 28% 1998, 33% avg. Other hay 64% 1st cutting, 51% 1998, 59% avg. Oats 80% headed, 70% 1998, 78% avg.; harvested 56% for hay or silage, 43% 1998, 48% avg. Sweet cherries 77% picked, 58% 1998, 61% avg. Tart cherries 4% picked, 37%1998, 25% avg. Irrigation water supply 2% very short,16% short, 81% adequate, 1% surplus. Stockwater supplies 1% very short, 14% short, 85% adequate. Major activities: Harvesting alfalfa hay, irrigating crops, spraying for weeds, insects. Rain in most of the State this past week improved the soil moisture but slowed the hay harvest.

VIRGINIA: Days suitable for fieldwork 5.0. Topsoil 30% very short, 22% short, 46% adequate, 2% surplus. Subsoil 44% very short, 25% short, 30% adequate, 1% surplus. Pastures feed 28% very poor, 26% poor, 25% fair, 20% good, 1% excellent. Livestock 4% very poor, 9% poor, 40% fair, 43% good, 4% excellent. Hay, other 50% very poor, 27% poor, 14% fair, 9% good. Hay, alfalfa 15% very poor, 31% poor, 39% fair, 13% good, 2% excellent. Corn for grain 45% silked, 57% 1998, 45% avg.; 10% dough, 19% 1998, 30% avg.; 10% tassled, 17% 1998, 15% avg. Tobacco, sun cured 25% poor, 25% fair, 51% good, 14% excellent. Tobacco, dark fire cured 35% fair, 51% good, 14% excellent. Tobacco, flue cured 6% poor, 11% fair, 64% good, 19% excellent. Tobacco, burley 3% very poor, 6% poor, 16% fair, 42% good, 33% excellent. Tobacco, dark fire cured 35% fair, 51% good, 14% excellent. Tobacco, sun cured 25% poor, 25% fair, 50% good. Peanuts 73% pegged, 80% 1998; 8% fair, 65% good, 27% excellent. Cotton 89% squaring, 92% 1998; 2% setting bolls; 22% fair, 51% good, 27% excellent. Summer potatoes 47% harvested, 55% 1998, 49% avg.; 1% very poor, 1% poor, 15% fair, 63% good, 20% excellent. Apples 13% poor, 38% fair, 40% good, 9% excellent. Peaches 15% harvested, 18% 1998; 5% very poor, 15% poor, 38% fair, 28% good, 4% excellent. Conditions for most of the State continued to be dry despite the variable rainfall across the Commonwealth this past week. As much as 4 inches of rainfall was received in some Southeastern localities greatly improving soil moisture conditions. Some isolated localities received as much as 2 inches of rainfall while other areas received as little as a trace. Pastureland has started to improve due to recent rainfall. However, livestock producers in most localities continue marketing cattle aggressively as pasture, water, hay supplies remain short. Despite the much needed rainfall, damage to early corn is irreversible as extreme heat, dry conditions limited growth to 3 to 4 feet in many fields. Early planted soybeans are also short on growth. Tobacco condition remain virtually unchanged from previous week. Black shank problems, spread of blue mold continue to concern some tobacco producers. Timely rains have greatly improved the condition of the peanut, cotton crops. Producers of potatoes, tomatoes, snap beans, sweet corn, cucumbers, squash,
peppers, other vegetables are busy harvesting their crops. Dry, hot conditions continue to affect yield, fruit size in orchards. Producers are beginning to harvest peaches, are concerned with isolated brown rot problems.

WASHINGTON: Days suitable for fieldwork 6.6. Topsoil 16% very short, 38% short, 46% adequate. Subsoil 17% very short, 55% short, 28% adequate. Moderate temperatures benefitted grainfill in wheat, barley. Winter wheat harvest just underway, spring grain harvests projected a month away. Winter wheat 2% harvested, 7% 1998, 4% avg. Winter wheat, dryland 7% very poor, 21% poor, 49% fair, 20% good, 3% excellent; irrigated 100% good. Spring wheat, dryland 13% very poor, 35% poor, 42% fair, 10% good; irrigated 100% good; 99% headed. 100% 1998, avg. Barley, dryland 8% very poor, 35% poor, 48% fair, 9% good; irrigated, 100% good, 98% headed, 100% 1998, 99% avg. Potatoes 5% harvested, 0% 1998, 4% avg.; 10% fair, 60% good, 30% excellent. Hay, other roughage 1% very short, 6% short, 75% adequate, 18% surplus. Range, pasture feed 5% very poor, 36% poor, 45% fair, 10% good, 4% excellent. Rangeland conditions remained dry with little regrowth, second cutting alfalfa hay production nearly completed, well ahead of the average. Cherry, strawberry harvests neared completion, apricot harvest continued. Raspberry harvest was peaking, blueberry harvest expected within a week. Vegetable harvests continued, sweet corn harvest in central areas was not yet underway.

WEST VIRGINIA: Days suitable for fieldwork 6.0. Topsoil 75% very short, 21% short, 4% adequate. Dry weather conditions continue to plague producers throughout the State. Hay, pastures are in danger of being depleted in most areas of the State. All crop, livestock conditions are suffering. Wheat 74% harvested, 59% 1998, 66% avg. Hay 33% very poor, 39% poor, 21% fair, 7% good; 24% 2nd cut, 21% 1998, 21% avg. Corn 27% very poor, 49% poor, 22% fair, 2% good; 17% silked, 37% 1998, 27% avg. Oats 32% very poor, 21% poor, 36% fair, 11% good; 95% headed, 98% 1998; 21% harvested, 16% 1998, 31% avg. Soybeans 6% very poor, 24% poor, 64% fair, 6% good; 26% bloomed, 16% 1998, 51% avg.; 1% setting pods, 8% 1998, 15% avg. Tobacco 32% very poor, 22% poor, 45% fair, 1% good. Apples 34% poor, 48% fair, 18% good. Peaches 66% poor, 17% fair, 17% good. Cattle 2% very poor, 16% poor, 42% fair, 36% good, 4% excellent. Sheep 12% poor, 30% fair, 47% good, 11% excellent.

WISCONSIN: Days suitable for fieldwork 5.6 Soil moisture 9% very short, 21% short, 59% adequate, 11% surplus. Busy in agriculture. Hay 66% harvested, 2nd crop, 70% 1998, 35% avg. Most of State has enjoyed a 2nd crop that has had good quality, varying quantity. Northern half of the State, the harvest was moving much slower due to intermittent rains. In the southern half of the State, there was a great deal of hay made in the warm, dry weather that was ideal for baling hay. Small grain farmers also remained busy harvesting a bountiful crop. There were reports of winter wheat yielding 70-90 bushels per acre, and a Dane County reporter noted that one field yielded 100 bushels per acre. Winter wheat 35% harvest, 59% 1998 15% avg. Winter wheat 35% harvest, 59% 1998 15% avg. Oat harvest also began, with only a few farmers getting in the fields before the weekend rains. Much of the early corn has tasseled, while the late-planted corn continues to grow and mature rapidly. Recent dry weather has caused some concern over pollination, and there were many reports of corn curling on the lighter soils. Weekend rains should have eliminated this problem. Warm weather has helped the soybean crop grow and mature. The crop has been reported to be well into the bloom period with good color, a nice canopy. Soybeans 28% bloomed, 38% 1998; 1% very poor, 3% poor, 11% fair, 55% good, 30% excellent. Sweet corn is being picked, sold. Grant County reporter noted that his tomatoes, cucumbers, peppers, eggplants, green beans were all in full bloom. Pasture feed 1% very poor, 8% poor, 30% fair, 46% good, 15% excellent.

WYOMING: Days suitable for fieldwork 6.9. Topsoil 1% very short, 58% short, 41% adequate. Subsoil 40% short, 60% adequate. Warm weather below normal precipitation. Winter wheat 86% mature, 69% 1998, 60% avg.; 23% harvested, 13% 1998, 13% avg. Spring wheat 77% headed, 89% 1998, 74% avg.; 34% turning color, 50% 1998, 44% avg.; 4% mature, 14% 1998, 9% avg. Barley 77% headed, 84% 1998, 88% avg.; 42% turning color, 43% 1998, 53% avg.; 3% mature, 2% 1998, 8% avg. Oats 64% headed, 84% 1998, 80% avg.; 12% turning color, 31% 1998, 32% avg.; 2% mature, 5% 1998, 7% avg. Corn 15% tasseled, 2%