

# Weekly Weather and Crop Bulletin State Stories

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**ALABAMA:** Days suitable for fieldwork 4.6. Topsoil 1% very short, 12% short, 78% adequate, 9% surplus. Significant rain showers fell across the State, with some areas receiving more than 3 inches. Most areas experienced temperatures a few degrees below normal. Corn silked 51%, 44% 1998, 44% avg.; 5% dented, 1% avg. Cotton 40% squaring, 45% 1998, 46% avg. Soybeans 85% planted, 88% 1998, 80% avg.; 70% emerged, 71% 1998. Peanuts 17% pegged, 24% 1998, 16% avg. Wheat 67% harvested, 79% 1998, 64% avg. Hay 90% harvested, 93% 1998, 81% avg. Wheat 3% very poor, 4% poor, 15% fair, 61% good, 17% excellent. Corn 1% very poor, 3% poor, 16% fair, 58% good, 22% excellent. Cotton 2% poor, 26% fair, 59% good, 13% excellent. Soybean 1% poor, 30% fair, 60% good, 9% excellent. Peanut 2% poor, 23% fair, 59% good, 16% excellent. Pasture feed 1% very poor, 4% poor, 23% fair, 56% good, 16% excellent. Livestock 1% very poor, 2% poor, 15% fair, 63% good, 19% excellent. Sweet corn, squash, snap bean, spring potato harvest continued.

**ALASKA:** Days suitable for fieldwork 5.0. Topsoil 45% short, 55% adequate. Subsoil 35% short, 65% adequate. Rainfall provided much needed moisture for crops across the State. Daytime high temperatures were mostly in the seventies at the beginning of the week, cooling into the 60's by the weekend. Lows in the forties, fifties. Oats, barley 100% pre-boot, Barley condition, 80% below average, 20% average. Oats 65% below average, 35% average. Small grain height 6.0 in., 5.3 in. 1998. Hay 45% below average, 50% average, 5% above average. Potatoes 35% emerged, 65% 1998. Potato 45% below average, 55% average. Commercial vegetable condition, 10% below average, 90% average. Crop growth 45% slow, 50% moderate, 5% rapid. Wind, rain damage to new plantings 85% none, 15% light. Major activities included: Spraying fields for weeds, cutting hay, irrigating fields, machinery repair.

**ARIZONA:** Small grains continue to progress. As of June 20, 100% durum wheat, 100% other wheat, 98% barley, virtually all of the other small grains had matured. Small grain harvest continues to progress. As of June 20, 73% of the durum wheat, 68% other wheat, 77% barley, 45% other small grains had been harvested. Alfalfa harvest activity 59% not being harvested, 2% light, 9% moderate, 30% active. Alfalfa 5% poor, 13% fair, 49% good, 33% excellent. Range, pasture feed 7% very poor, 25% poor, 48% fair, 20% good. Central area producers shipped cantaloupes, dry onions, honeydew, parsley, sweet corn, watermelons. Central area grape season commenced last week. Grape shipments included flame seedless, perlettes. Eastern area producers shipped greenhouse tomatoes, dry onions. Western producers harvested bell peppers, grapes, melons. Grape shipments included beauty seedless, perlettes, flame seedless while melon shipments included cantaloupes, honeydew, watermelons. Central, western area citrus producers shipped grapefruit last week.

**ARKANSAS:** Days suitable for fieldwork 6. Topsoil 4% very short, 25% short, 67% adequate, 4% surplus. Temperatures below normal for most of State, most areas had below normal rainfall with scattered showers, storms during the first part of the week. Livestock are reported in good condition. Main farm activities: Planting soybeans, fertilizing cotton, corn, rice, bermuda, harvesting wheat, oats, hay. Other activities: Irrigating corn, rice, cultivating cotton, spraying cotton for insects, harvesting tomatoes, peaches, spraying of rice, soybean fields for weeds, treating

cattle for external parasites, vaccinating cattle, weaning calves. Cotton 59% squaring, 6% poor, 28% fair, 55% good, 11% excellent. Soybeans 84% planted 71% emerged 4% bloomed, 2% poor, 33% fair, 55% good, 10% excellent. Sorghum 100% planted 99% emerged, conditions 4% poor, 36% fair, 53% good, 7% excellent. Wheat 77% harvested, 1% very poor 2% poor 12% fair 54% good 31% excellent. Oats 81% harvested, 32% fair 60% good 8% excellent.

**CALIFORNIA:** Warmer weather provided good growing conditions for field crops. First squares in Fresno area cotton fields were observed. Fields were being irrigated, weeded, treated to control leaf hoppers, mites, armyworms. Grain hays were being harvested, while alfalfa hay was in various stages of production. Green chop alfalfa was being harvested. Seed alfalfa was being sprayed for insect control. Corn was in good condition. Seed corn, corn for silage were both being planted. Garbanzo beans were drying in the field, in preparation for harvest. Planting of second crop black eye beans was winding down. Sugar beets were being harvested and planted in several counties. Emerged sugar beet fields were treated for mildew. Safflower fields were in bloom. Barley, wheat harvests were getting underway in Tulare, with normal yields reported. Oat harvest was complete in Kern County. Rice was in good condition; fields were treated for weeds, weevils. Turf fields also received weed treatments. Fungicides were sprayed on Easter lilies. Grape growers were applying sulfur, insecticides to control powdery mildew, insects. Coachella Valley Flame Seedless, Thompson Seedless grapes were picked for fresh consumption. Cultural activities performed last week included extensive weed control in and irrigation of vineyards, orchards. Harvesting continued in apricots, cherries, nectarines, plums, freestone peaches. Good quality has been observed. Apple trees were treated for codling moths. Tree limbs in almond orchards remained propped 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. Blackberries, blueberries, boysenberries were being harvested. Strawberry picking in the central valley continued. Clear skies improved progress, development of vegetable crops. Fields were being irrigated, cultivated, treated for insects. All types of lettuce were being harvested. Various melons were harvested in the Imperial Valley, while melons in the San Joaquin Valley neared harvest. Vines were in good shape although this spring's cooler than normal weather conditions caused some developmental delays in the Kern County melon crops. Tomato plants were growing well, setting fruit. As garlic harvest neared, some fields were being treated for rust. Radicchio harvest in Merced county was complete. Eggplants, peppers, other summer vegetables were progressing well. Among the crops harvested were squash, snap beans, broccoli, cauliflower, bok choy, leeks, onions, sweet corn. Foothill pastures were dry, fire hazards high. Permanent pastures were being irrigated. One cutting of hay was completed on some pastures before livestock were turned out to graze. Higher elevation summer pasture conditions have improved with warmer weather. Cattle, sheep were in good condition. A few remaining cattle were being shipped to summer pastures from foothill areas. Some central area pasture land was being damaged by squirrels, grasshoppers

**COLORADO:** Days suitable for fieldwork 5.2. Topsoil 3% very short 12% short, 76% adequate, 9% surplus. Subsoil 3% very short, 18% short, 71% adequate, 8% surplus. Rainy weather accompanied by hail, wind has delayed corn growth hampered haying activities, caused some replanting of some late season row crops. Winter wheat 46% turning

color, 61% 1998, 44% avg. Spring wheat 42% headed, 29% 1998, 31% avg.; 1% very poor, 5% poor, 15% fair, 57% good, 22% excellent. Spring barley 48% headed, 53% 1998, 49% avg.; 1% turning color, 2% 1998, 11% avg.; 2% poor, 13% fair, 58% good, 27% excellent. Sorghum 53% emerged, 52% 1998, 54% avg. Oats 57% headed, 41% 1998, 35% avg.; 4% poor, 25% fair, 57% good, 14% excellent. Dry onions 1% very poor, 3% poor, 16% fair, 57% good, 23% excellent. Sugar beets 1% very poor, 6% poor, 14% fair, 60% good, 19% excellent. Dry beans 98% planted, 87% 1998, 83% avg.; 83% emerged, 70% 1998, 63% avg. Summer potatoes 99% emerged, 100% 1998, 99% avg. Fall potatoes 88% emerged, 90% 1998, 78% avg. Alfalfa 59% 1<sup>st</sup> cutting, 70% 1998, 52% avg. Pasture, range feed in mostly good condition.

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**DELAWARE:** Days suitable for fieldwork 5.4. Topsoil 5% very short, 40% short, 55% adequate. Subsoil 35% short, 65% adequate. Winter wheat 1% very poor, 3% poor, 33% fair, 53% good, 10% excellent; 6% harvested, 9% 1998, 3% avg. Barley 1% poor, 20% fair, 58% good, 21% excellent; 69% harvested, 84% 1998, 52% avg. Field corn 1% very poor, 5% poor, 30% fair, 49% good, 15% excellent. Soybeans 50% fair, 46% good, 4% excellent; 52% planted, 56% 1998, 56% avg.; 48% emerged, 40% 1998. Sorghum 64% planted, 66% 1998, 71% avg. Sweet corn 90% planted, 84% 1998, 91% avg. Snap beans 66% planted, 43% 1998, 55% avg. Tomatoes 91% planted, 73% 1998, 86% avg. Cantaloupes 80% planted, 77% 1998, 84% avg. Cucumbers 45% planted, 49% 1998, 60% avg.; 5% harvested, 2% 1998, 2% avg. Watermelons 80% planted, 82% 1998, 90% avg. Lima beans 46% planted, 30% 1998, 32% avg. Clover, other hay 1<sup>st</sup> cutting 87% harvested, 93% 1998, 95% avg.; 11% 2<sup>nd</sup> cutting, 22% 1998, 17% avg. Alfalfa hay 1<sup>st</sup> cutting 91% harvested, 93% 1998, 95% avg.; 30% 2<sup>nd</sup> cutting harvested, 25% 1998, 21% avg. Green peas 57% harvested, 69% 1998, 56% avg. Hay supplies 20% short, 80% adequate. Pasture 27% poor, 42% fair, 29% good, 2% excellent. Apples 11% fair, 78% good, 11% excellent. Peaches 12% fair, 77% good, 11% excellent. Activities: Pea, cabbage, strawberry, barley harvests still continue, wheat fields being cut, rain finally being received, continued irrigation.

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**FLORIDA:** Topsoil moisture, Panhandle, adequate. Peninsula topsoil moisture adequate, scattered areas short or surplus. Daily rains continued to drop copious amounts over some Peninsula localities. Rainfall at major stations about 0.25 in. Tallahassee, to over 7 in. Orlando. Cloud cover kept temperatures within degree of normal. Daily highs in upper 80s to low 90s; lows upper 60s to low to mid 70s. Tobacco being irrigated. Blue mold on tobacco. Cotton planting complete. Sugarcane growth normal. Hay growth responding to rainfall. Haying active. Peanuts 2% poor, 35% fair, 63% good. Peanuts pegged reported at 50%. Watermelon harvesting very active, northern Peninsula, western Panhandle. Major vegetables shipped: Sweet corn, cucumbers, eggplant, okra, peppers, potatoes, squash, tomatoes, watermelons. Rains, thunderstorms made this the wettest citrus week of 1999. Irrigation discontinued, abundant new growth, some trees still blooming. New crop fruit sizing. Valencia harvest slowed by rain. Grapefruit harvest nearly over. Caretakers cutting cover crops, spraying, herbiciding, resetting, pushing dead trees. Pasture feed 50% fair, 50% good. Cattle 5% poor, 45% fair, 50% good. Most State's pasture, range showed marked improvement from previous week due to recent rains. North; improved pastures, hay fields from recent, consistent showers. However, moisture still short, pasture condition fair, eastern counties. West; pasture beginning to improve due to recent showers. West central; pasture improved. Southwest; some standing water from recent rains, water table at ground level some locations. Condition cattle statewide fair to good.

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**GEORGIA:** Days suitable for fieldwork 4.9. Soil moisture 11% very short, 33% short, 52% adequate, 4% surplus. Corn 46% dough, 39% 1998, 36% avg.; 14% dent, 6% 1998, 8% avg. Cotton 98% planted, 100% 1998, 99% avg. 6% setting bolls, 4% 1998, 4% avg. Hay 11% very poor, 24% poor, 36% fair, 28% good, 1% excellent. Peanuts 50% blooming, 71% 1998, 68% avg. Sorghum 13% very poor, 23% poor, 39% fair, 24% good, 1% excellent; 87% planted, 87% 1998, 87% avg. Soybeans 5% blooming, 3% 1998, 2% avg. Tobacco 12% very poor, 26% poor, 42% fair, 19% good, 1% excellent; 3% harvested, 0% 1998, 5% avg. Watermelons 4% very poor, 10% poor, 40% fair, 40% good, 6% excellent; 14% harvested, 13% 1998, 14% avg. Apples 1% very poor, 4% poor, 32% fair, 55% good, 8% excellent. Peaches 4% very poor, 1% poor, 25% fair, 41% good, 29% excellent; 29% harvested, 41% 1998, 56% avg. Pecans 6% very poor, 18% poor, 37% fair, 34% good, 5%

excellent. The rainfall last week temporarily improved soil moisture conditions as well as most crop conditions. Continued rain is necessary to prevent soils from drying. Last week had an improvement in soil moisture condition. Corn, sorghum, soybean conditions improved. Corn progress remained ahead of 1998, average in the silk, dough, dent stages. Soybeans emerged and bloomed ahead of 1998. Wheat showed slight change as harvest was nearly complete. Tobacco continued to be affected by the Tomato Spotted Wilt Virus, there were some cases of the Cucumber Mosaic Virus affecting plants in the southernmost counties. Condition improved slightly from the previous week. Cotton condition improved. Peanut progress continued behind 1998, average pace. Disease appeared in some watermelon fields last week as harvest began. Watermelon condition changed slightly as harvest was at the five year average pace. Pecan condition worsened. Rains helped pasture conditions improve. Other activities included weed control, fertilizing cotton, insect control.

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**HAWAII:** No weather data available.

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**IDAHO:** Days suitable for fieldwork 6.60. Topsoil, 23% short, 70% adequate, 7% surplus, 23% short. South central, eastern areas report potatoes recovering from frost damage. Eastern areas report early lodging of grain. Irrigation supply 77% excellent, 21% good, 2% fair. Alfalfa hay harvested 60%, 1998 44%, avg. 55%. Dry beans planted 89%, 1998 91%, avg. 93%; emerged 68%, 1998 41%, avg. 70%. Oats emerged 95%, 1998 97%, avg. 97%. Corn emerged 100%, 1998 94%, avg. 97%. Cherries harvested 1%, 1998 1%, avg. 9%. Potatoes emerged 89%, 1998 90%, avg. 88%, 12" high 17%, 1998 19%, avg. 24%. Closing middles 1%, 1998 2%, avg. 5%. Barley headed 24%, 1998 19%, avg. 21%; jointed 69%; booted 46%. Spring wheat headed 19%, 1998 13%, avg. 21%; jointed 79%; booted 36%. Winter wheat headed 47%, 1998 62%, avg. 66%; booted 80%. Activities: cultivating, irrigating, spraying weeds, fertilizing herbicide application, monitoring for disease.

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**ILLINOIS:** Days suitable for fieldwork 4.0. Topsoil 6% short, 69% adequate, 25% surplus. Recent heavy rains in the northern part of the State caused flooding in some corn, soybeans fields. However, in the central part of the State, light rains, cooler temperatures have eased crop stress in corn, soybeans, wheat. Soybean development is ahead of 1998. Winter wheat harvesting began last week. Other activities for last week included cultivating corn, scouting fields, spraying soybeans. Corn avg. height (in.) 26, 19 1998, 16 avg. Winter wheat filled 99%, 99% 1998, 94% avg. Winter wheat turning yellow 93%, 91% 1998, 72% avg. Winter wheat ripe 60%, 59% 1998, 26% avg. Oats headed 94%, 77% 1998, 61% avg. Oats filled 61%, 29% 1998, 25% avg. Oats turning yellow 17%, 1% 1998, 2% avg. Oats ripe 8%, 0% 1998, 0% avg. Oats 1% poor, 14% fair, 66% good, 19% excellent. Alfalfa 1st cut 91%, 86% 1998, 83% avg.; 2nd cut 12%, 3% 1998, 5% avg.; 2% poor, 14% fair, 67% good, 17% excellent. Red clover cut 85%, 60% 1998, 67% avg.; 16% fair, 68% good, 16% excellent.

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**INDIANA:** Days suitable for fieldwork 5.4. Topsoil 3% very short, 22% short, 70% adequate, 5% surplus. Subsoil 2% very short, 18% short, 76% adequate, 4% surplus. A return to cooler weather with scattered showers across the State helped improve soil moisture levels, crop conditions. Wheat 82% good to excellent; harvest 12% complete, 7% 1998, 3% avg.; fields rapidly turning color. Soybean planting 99% complete, 91% 1998, 86% avg.; emerged 99%, 86% 1998. Corn, soybean growth continues ahead of normal. Pasture feed 69% good to excellent. Tobacco plants set 80%, 58% 1998, 69% avg. First cutting alfalfa hay 100% complete, 87% 1998, 76% avg. Activities: Applying post-emergence chemicals, side-dressing corn, cultivating corn, mowing roads, baling hay, spraying, repairing equipment, monitoring fields for insects.

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**IOWA:** Days suitable for fieldwork 3.9. Major activities included planting, replanting, cultivating corn, soybeans, spraying fields, cutting hay. Cool, damp weather has slowed crop growth; they need warmer, drier conditions. Topsoil short 1%, adequate 71%, surplus 28%. Subsoil moisture short 1%, adequate 71%, surplus 28%. Corn cultivated 37%, 1998 35%, avg. 40%; stand compared to normal 91%; height tallest 29 in.; average 20 in.; very poor 3%, poor 6%, fair 21%, good 47%, excellent 23%. Soybeans emerged 96%, 1998 97%, avg. 91%; very poor 3%, poor 6%, fair 25%, good 48%, excellent 18%. Oats headed 88%, 1998 54%,

avg. 49%; turning 5%, 1998 0%, avg. 7%; very poor 1%, poor 4%, fair 20%, good 54%, excellent 21%. Winter wheat headed 95%; poor 2%, fair 25%, good 60%, excellent 13%. Range, pasture feed very poor 1%, poor 2%, fair 14%, good 54%, excellent 29%. First cutting of alfalfa 76%, 1998 57%, avg. 66%; 1st cutting of clover hay 46%, 1998 32%, avg. 36%. Quality of hay has been reduced due to frequent rains, poor drying conditions. Hay very poor 1%, poor 3%, fair 17%, good 54%, excellent 25%.

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**KANSAS:** Days suitable for fieldwork 3.0. Topsoil 1% short, 65% adequate, 34% surplus. Subsoil 2% short, 77% adequate, and 21% surplus. Wheat harvest is just getting underway in the southern areas of the State. Most of the harvest activity, which was hampered by rainy weather last week, has taken place in the south central and southeastern districts. Wheat turning 99%, 99% 1998, 93% average. Wheat ripe 55%, 77% 1998, 46% average. Disease infestation 2% severe, 8% moderate, 30% light, and 60% with no infestation. Insect infestation mostly none to light. Sorghum condition 1% poor, 15% fair, 79% good, 5% excellent. Sorghum emerged 70%, 86% 1998. Sunflowers planted 85%, 86% 1998. First cutting alfalfa 99%, 100% 1998, 98% avg. Second cutting alfalfa 20%, 30% 1998, 19% avg. Hay, forage 1% short, 89% adequate, 10% surplus. Stock water 2% short, 86% adequate, 12% surplus.

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**KENTUCKY:** Days suitable fieldwork 5.0. Topsoil 18% very short, 32% short, 48% adequate, 2% surplus. Subsoil 21% very short, 39% short, 38% adequate, 2% surplus. Below normal temperatures throughout the State. Near record to record lows late in the week. Rainfall early in the week over most of the State. Eastern & Bluegrass regions still experiencing moderate drought. Crops in good to excellent condition where moisture is adequate. Corn and single crop soybean planting virtually complete. Seeding of double crop beans 22 percent complete, 9% 1998, 23% average. Emerged soybeans 6 inches average height. Burley tobacco set 97%, 78%, 1998, 77% average. Dark tobacco 96% set. Set tobacco 2% very poor, 6% poor, 32% fair, 46% good, 14% excellent. Pastures 5% very poor, 19% poor, 34% fair, 36% good, 6% excellent. Pasture growth & stock water concerns continue in Central, Eastern areas. Winter wheat harvest 40% complete. Yield & test weight mostly good. Barley harvest 95% complete. Sorghum planting 85% complete.

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**LOUISIANA:** Days suitable for fieldwork 4.4. Soil moisture 3% very short, 20% short, 62% adequate, 15% surplus. Corn 1% very poor, 6% poor, 28% fair, 57% good, 8% excellent; 90% silked, 96% 1998, 87% avg.; 25% dough stage, 43% 1998, 41% avg. Cotton 5% setting bolls, 12% 1998, 7% avg. Hay 90% 1st cutting, 90% 1998, 83% avg. Hay harvest continued. Peaches 51% harvested, 44% 1998, 34% avg. Rice producers were applying fungicides. Sorghum 1% very poor, 2% poor, 30% fair, 64% good, 3% excellent; 100% emerged, 99% 1998, 98% avg.; 13% headed, 7% 1998, 8% avg. Soybeans 17% blooming, 22% 1998, 9% avg.; growers were spraying, cultivating for weed control. Sugarcane 15% fair, 53% good 32% excellent. This week brought excellent weather for sugarcane progress. Sweet potatoes 93% planted, 80% 1998, 71% avg. Livestock 1% very poor, 5% poor, 24% fair, 60% good, 10% excellent. Vegetables 2% very poor, 9% poor, 31% fair, 50% good, 8% excellent. Pasture conditions continued to improve from recent showers.

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**MARYLAND:** Days suitable for fieldwork 5.0. Subsoil moisture 20% very short, 61% short, 18% adequate, 1% surplus. Topsoil moisture 20% very short, 39% short, 40% adequate, 1% surplus. Winter wheat 1% very poor, 13% poor, 32% fair, 52% good, 2% excellent; 95% turned, 94% 1998, 75% avg. Barley 1% very poor, 7% poor, 19% fair, 68% good, 5% excellent; 71% harvested, 78% 1998, 44% avg. Rye 1% very poor, 8% poor, 30% fair, 58% good, 3% excellent; 92% turned, 99% 1998, 78% avg; 46% harvested, 53% 1998, 24% avg. Corn 1% very poor, 17% poor, 34% fair, 45% good, 3% excellent. Soybeans 1% very poor, 20% poor, 29% fair, 48% good, 2% excellent; 66% planted, 65% 1998, 64% avg; 54% emerged, 59% 1998. Sorghum 74% planted, 92% 1998, 78% avg. Snap beans 81% planted, 77% 1998, 81% avg. Lima beans 72% planted, 71% 1998, 61% avg. Cucumbers 76% planted, 97% 1998, 91% avg; 14% harvested, 9% 1998, 7% avg. Strawberries 91% harvested, 90% 1998, 82% avg. Green peas 51% harvested, 69% 1998, 56% avg. Tobacco 88% transplanted, 83% 1998, 92% avg. Clover and other hays 23% 2<sup>nd</sup> cutting harvested, 22% 1998, 8% avg. Alfalfa 40% 2<sup>nd</sup> cutting

harvested, 24% 1998, 21% avg. Pasture condition 7% very poor, 30% poor, 33% fair, 30% good. Hay supplies 1% very short, 28% short, 67% adequate, 4% surplus. Activities: Crop conditions improved as result of precipitation and cooler temperatures. Barley and straw harvests active.

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**MICHIGAN:** Days suitable for fieldwork 5.0. Topsoil 6% very short, 23% short, 62% adequate, 9% surplus. Subsoil 10% very short, 29% short, 56% adequate, 5% surplus. Hay 1% very poor, 2% poor, 20% fair, 57% good, 20% excellent; first cutting 74%, 85% 1998, 60% avg. Asparagus harvested 95%, 100% 1998, 93% avg. Corn height 16 inches, 15 inches 1998, 11 inches avg. Dry beans planted 82%, 81% 1998, 74% avg. Potatoes emerged 99%, 97% 1998, 89% avg. Strawberries harvested 71%, 75% 1998. Cooler weather arrived taking temperatures five to seven degrees below normal this week with very little precipitation. Cool nights slowed crop growth. Corn and soybeans beginning to show stress in drier areas especially lower third of Lower Peninsula. Wheat yield potential may have been reduced by high heat earlier in month as plants headed. Some fields flattened by locally severe storms last weekend. Hay harvest continued with reports of high alfalfa weevil infestations. Potato foliage canopied rows in more advanced fields. Sugar beets received timely rains. Asparagus harvest finished in most fields. Cabbage harvest going strong with heavier heads. Celery growing better with relief from heat. Direct seeded cucumbers in flower. Pea harvest underway in Montcalm County. Snap bean planting continued. Radish harvest continued with good quality. Early market tomatoes looked very good. Processing tomatoes in early fields showing significant blossom. Fruit development continued about one week ahead of normal. Apple fruit 1.25 inches in diameter. On June 11, hail hit about 1,000 acres Grand Rapids area. Damage varied from 5 to 65 percent. Rosy apple and green apple aphid populations high. Peaches had 1 to 1.5 inch fruit. Niagara and Concord grapes had buckshot-sized berries. Strawberry harvest ended Southwest but continued Southeast, the season shortened by intense heat second week of June. Sweet cherries colored; some picked south. They were sizing well in the West Central area. Tart cherries had straw-colored fruit. Plums .7 to 1 inch in diameter.

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**MINNESOTA:** Days suitable for fieldwork 5.4. Topsoil 0% very short, 6% short, 79% adequate, 15% surplus. Corn 49% cultivated, 82% 1998, 55% avg.; 16 in. height, 25 in. 1998, 16 in. avg. Soybeans 20% cultivated, 44% 1998, 27% avg.; 4 in height, 7 in. 1998, 5 in. avg. Spring Wheat 72% jointed, 87% 1998, 60% avg. Oats 87% jointed, 90% 1998, 75% avg. Barley 60% jointed, 83% 1998, 56% avg. Potatoes 96% planted, 99% 1998, 98% avg. Sunflowers 99% planted, 99% 1998, 98% avg. Sweet corn 93% planted, 97% 1998, 93% avg. Dry beans 94% planted, 99% 1998, 96% avg. Alfalfa 87% 1<sup>st</sup> cutting, 92% 1998, 76% avg. Pasture feed 1% very poor, 2% poor, 19% fair, 68% good, 10% excellent. Even though the precipitation was minimal last week, the below normal temperatures did not help crop conditions. Statewide, the average temperature for the week was 7.4 degrees below normal.

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**MISSISSIPPI:** Days suitable for fieldwork 5.5. Soil moisture 11% very short, 35% short, 50% adequate, 4% surplus. Corn 73% silked, 67% 1998, 55% avg.; 26% dough, 25% 1998, 16% avg.; 2% very poor, 5% poor, 27% fair, 43% good, 23% excellent. Cotton 74% squaring, 75% 1998, 68% avg.; 3% Setting Bolls, 10% 1998, 5% avg.; 1% very poor, 3% poor, 19% fair, 62% good, 15% excellent. Rice 2% heading, 6% 1998, 2% avg.; 1% very poor, 3% poor, 12% fair, 60% good, 24% excellent. Sorghum 100% emerged, 94% 1998, 98% avg; 13% heading, 4% 1998, 5% avg.; 1% very poor, 2% poor, 15% fair, 62% good, 20% excellent. Soybeans 98% planted, 96% 1998, 94% avg; 94% emerged, 86% 1998, 86% avg.; 29% blooming, 32% 1998, 13% avg.; 1% very poor, 6% poor, 23% fair, 53% good, 17% excellent. Sweet potatoes 75% planted, 81% 1998, 61% avg. Hay (warm-season) 39% harvested, 40% 1998, 38% avg.; 3% very poor, 9% poor, 32% fair, 49% good, 7% excellent. Watermelons 97% planted, 93% 1998, 97% avg; 2% very poor, 3% poor, 23% fair, 52% good, 20% excellent. Wheat 100% mature, 98% 1998, 97% avg; 92% harvested, 91% 1998, 77% avg. Blueberries, 8% poor, 19% fair, 53% good, 20% excellent. Cattle, 6% poor, 23% fair, 59% good, 12% excellent. Pasture 5% very poor, 11% poor, 33% fair, 44% good, 7% excellent. Dry conditions continue to persist in many areas across the state. Corn is progressing ahead of last year and the 5-year average, with 6 percent of the crop rated in the dough stage. The wheat harvest is nearing completion and is ahead of the 5-year average.

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**MISSOURI:** Days suitable for fieldwork 5.4. Topsoil moisture 5% very short, 22% short, 67% adequate, 6% surplus. Corn silking 8%, Botheel 40%. All soybean planting 85% complete, single-crop 94%, double-crop 19%. Soybeans 79% emerged. Soybean condition 2% very poor, 6% poor, 35% fair, 50% good, 7% excellent. Sorghum planting 91% complete. Winter wheat 23% harvested, Botheel 67%. Winter wheat condition 1% very poor, 7% poor, 33% fair, 51% good, 8% excellent. Pasture condition 1% very poor, 5% poor, 27% fair, 57% good, 10% excellent. Precipitation for week ending June 20, 1999 avg. 0.26 in.

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**MONTANA:** Days suitable for fieldwork 6.5. Almost all areas of the state received little or no precipitation last week. Topsoil moisture 3% very short, 26% short, 66% adequate, and 5% surplus. Subsoil moisture 4% very short, 29% short, 63% adequate, and 4% surplus. Winter wheat in boot 79%, 99% 1998, 89% avg. Sugar beets condition 0% very poor, 3% poor, 11% fair, 47% good, 39% excellent. Oats emerged 96%, 100% 1998, 98% avg. Oats in boot 25%, 50% 1998, 30% avg. Oats headed 4%, 8% 1998, 5% avg. Oats condition 0% very poor, 1% poor, 15% fair, 60% good, 24% excellent. Corn emerged 96%, 100% 1998, 98% avg. Corn condition 0% very poor, 1% poor, 7% fair, 63% good, 29% excellent. Potatoes emerged 53%, 49% 1998, 61% avg. Potatoes condition 0% very poor, 0% poor, 22% fair, 60% good, 18% excellent. Dry beans emerged 99%, 100% 1998, 97% avg. Dry beans condition 0% very poor, 4% poor, 10% fair, 69% good, 17% excellent. Alfalfa first cutting 10%, 8% 1998, 10% avg. Other hay harvested 6%, 2% 1998, 6% avg. There are continuing reports of grasshoppers hatching with some dense populations in some areas of the state. The only other fieldwork being done is spraying of summer fallow. Significant damage to sweet cherry production from late freezes in May have been reported. Producers won't be able to fully assess the total damage until harvest has begun

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**NEBRASKA:** Days suitable for fieldwork 4.0. Statewide, temperatures averaged from 5 degrees below normal in the Panhandle to 11 degrees below normals in Central portions of the State. Precipitation ranged from .25 inch in the Southwest to over 1.5 inches in the Northeast. Topsoil moisture 2% short, 85% adequate, 13% surplus. Subsoil 2% short, 85% adequate, 13 surplus. Corn condition rated 1% very poor, 2% poor, 16% fair, 60% good, and 21% excellent. Numerous reports of herbicide damage were reported. Soybeans 98% planted, 100% 1998, 97% avg; emerged 91%, 97% 1998, 88% average. Bean leaf beetles active. Sorghum 97% planted, 100% 1998, 96% avg. Dry beans planted 94% complete, above 90% last year; emerged 82%, above 70% 1998, 66% average. Wheat conditions rated 3% poor, 17% fair, 68% good, 12% excellent; wheat turning color was 37%, compared to 53% last year, 45% avg. A wheat few fields considered ripe. Oats 1% poor, 10% fair, 69% good, 20% excellent; headed was 67% complete, above 63% 1998, 54% avg. First cutting of alfalfa 90% compared to 72% last year and 77% average. Alfalfa condition 1% poor, 18% fair, 66% good and 15% excellent. Weevils and leaf hoppers were still a problem in alfalfa fields. Pasture and range 1% poor, 5% fair, 67% good, 27% excellent. Wild hay condition rated 1% poor, 8% fair, 67% good, and 24% excellent. Cooler conditions reduced stress on livestock. Producer activities; planting, cultivating, ditching row crops, preparation for irrigation, harvesting alfalfa hay, moving grain and applying fertilizer and herbicide

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**NEVADA:** Weather throughout the Silver State was hot and dry. All stations reported above normal temperatures for each day of the week and no precipitation. Irrigation water supply remains good. The warm dry weather was beneficial for farmers harvesting alfalfa hay and other hay. The southern portion of the State wrapped up first cutting of alfalfa, but central and northern Nevada continue to cut and bale the remaining first crop. Second crop alfalfa looked good. Warm weather really helped the corn crop as well. The warm weather had the grain crops making heads. Weather conditions have allowed for the potential for major grasshopper infestation. Nearly all livestock have been moved to summer ranges. Minimal branding and vaccinating continued. Main farm and ranch activities: irrigating, cutting alfalfa, baling alfalfa, cultivating, and spraying.

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**NEW ENGLAND:** Days suitable for fieldwork 6.7. Topsoil 24% very short, 58% short, 18% adequate. Subsoil 23% very short, 44% short, 31% adequate, 2% surplus. Pasture feed 3% very poor, 21% poor, 33% fair, 37% good, 6% excellent. Maine potatoes 100% planted, 100% 1998, 100% avg.; 100% emerged, condition excellent to good. Massachusetts

potatoes 100% planted, 100% 1998, 100% avg.; 100% emerged, condition good. Rhode Island potatoes 100% planted, 100% 1998, 100% avg.; 100% emerged, condition good. Oats in Maine 100% planted, 100% 1998, 99% avg.; 100% emerged, condition good to excellent. Barley in Maine 100% planted, 100% 1998; 100% emerged, condition good to excellent. Field corn 99% planted, 99% 1998, 95% avg.; 99% emerged, condition good. Sweet corn 99% planted, 85% 1998, 90% avg.; 90% emerged, condition good to fair. Shade Tobacco 100% planted, 100% 1998, 100% avg.; condition excellent. Broadleaf Tobacco 90% planted, 80% 1998, 80% avg.; condition good. First cut hay 75% harvested, 60% 1998, 50% avg; condition good to fair. Second cut hay <5% harvested, condition good to fair. Apples set average, size average, condition good. Peaches set average, size average, condition good. Pears set average, size average, condition good. Strawberries 40% harvested, 45% 1998, 20% avg, set average, size average, condition good. Cranberries full bloom to early bloom, condition good to excellent. Highbush blueberries set average, size average, condition good. Wild Blueberries set average, size average, condition good to excellent. Major farm activities included: finishing field corn planting; applying fertilizers, planting late summer and fall crops; scouting for pest and applying pesticides when necessary; irrigating; cultivating potatoes; harvesting first cutting of hay and haylage; harvesting strawberries.

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**NEW JERSEY:** Days suitable for fieldwork 6. Planting of field corn is virtually complete, its condition has been between fair to good. Temperatures much below normal. Extremes 42°; 87°. Rainfall 0.62 in. North, 0.84 in. Central, 1.89 in. South. Heaviest 24 hour total was 2.06 in. at Pomona on the 20<sup>th</sup> to 21<sup>st</sup>. Estimated soil moisture, in percent of field capacity, this past week averaged 67% North, 60% Central, 56% South. Four inch soil temperatures 65° North, 67° Central, 68° South. Planting of single crop soybeans is also finished in the southern, central counties. Some fields are left to be planted in northern areas. Wheat harvest could start as soon as next week in southern areas, weather permitting. Harvest of barley is in full swing in south, central areas. First cut of hay continued in most areas while the second cut has already started in some areas of southern areas. Planting of spring snap beans, tomatoes is almost complete all across the State. Some tomato harvesting was reported in south areas. The development of sweet corn has been slowed by cool temperatures. Harvest of spring cabbage continued in South, Central areas, will start soon in the northern counties. Harvest of asparagus, spinach is finished in the southern counties. Harvest of other minor vegetables also continued. Thinning of peach trees is complete in southern areas. They continue to size-up and the condition of the crop has been rated between fair and good. Situation is similar for apples. Harvest of strawberries is approaching its end in northern areas. Harvest of blueberries is now underway in State.

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**NEW MEXICO:** A surge of moisture from the east helped fuel scattered showers and thunderstorms each day. Rain fell statewide, even in the parched southwest corner where Silver City and Animas both received more precipitation during the week than had fallen the first 5 ½ months of 1999. The clouds and precipitation held temperatures well below normal in most locations. The statewide average was six degrees below normal. The much needed rain kept farmers out of the field allowing only 5.8 days suitable for field work. As rains permitted, farmers remained busy cutting hay, planting sorghum, harvesting wheat and onions, irrigating, cultivating and spraying for weeds. The second cutting of alfalfa was well underway with 60% completed. Good ground moisture allowed sorghum planting to move along well. Wheat harvest moved at a slightly slower pace but farmers still made good progress during the week. Onion harvest had the lowest increase last week moving to only 35% harvested, apparently slowed by wet fields. Ranchers were glad to see the rain as range and pasture conditions remain stable at 10% very poor, 17% poor, 36% fair, 21% good and 16% excellent. Branding and moving cattle continued with a few areas still reporting supplemental feeding to maintain herd condition. Cattle were rated in mostly good condition with a few more moving into the excellent category. Sheep were rated in mostly fair to good condition

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**NEW YORK:** Days suitable for fieldwork 6.1. Soil moisture 29% very short, 65% short, 6% adequate. Pasture feed 1% very poor, 49% poor, 33% fair, 17% good. Rain needed. Hay condition 8% poor, 46% fair, 42% good, 4% excellent. Alfalfa first cutting 84% complete, 86% 1998, 67% avg. Clo-tim 70% cut, 70% 1998, 56 average. Corn planting nearly complete. Wheat condition 23% fair, 59% good, 18% excellent. Dry

beans 74% planted, 81% 1998, 58% average. Apples in good to excellent condition. Moisture needed to size fruit. Grapes in bloom. Tart and sweet cherries in excellent condition. Strawberry harvest continued. Vegetable growth slowed by cool weather. Irrigation required to combat dryness.

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**NORTH CAROLINA:** Days suitable for fieldwork 4.2, compared to 6.5 last week. Significant rainfall fell across most areas of North Carolina this past week. Combined with cooler temperatures, the precipitation brought relief to field crops that had been extremely dry. It was also encouraging to farmers waiting on moisture to finish planting late season crops, especially soybeans. However, rainfall amounts are still well below normal for the year, and another prolonged dry spell could have detrimental effects on crops. Soil moisture levels improved and are rated 5% very short, 10% short, 79% adequate, and 6% surplus. Due to the wet weather, limited field work was made. Prior to the rains, some gains were made in small grain harvest. Other activities last week included planting soybean, sweet potatoes, sorghum, making hay, cultivating and tending livestock.

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**NORTH DAKOTA:** Days suitable for fieldwork 6. Topsoil 0% very short, 5% short, 80% adequate, 15% surplus. Subsoil 0% very short, 1% short, 77% adequate, 22% surplus. Producers completed seeding this past week but due to excessive moisture, large tracts will remain idle or be seeded to forage or cover crops. Pest and weed control remained a main activity as weed and insect pressure continued during the week. Emergence of all small grains and row crops were behind average with the exception of corn which was slightly ahead of average. Durum wheat 87% emerged, 100% 1998, 95% avg; 16% jointed, 36% 1998, 28% avg. Canola 92% emerged, 100% 1998; 53% rosette, 75% 1998. Corn 98% emerged, 100% 1998, 97% avg. Dry edible beans 89% emerged, 98% 1998, 93% avg. Flaxseed 89% emerged, 100% 1998, 90% avg. Potatoes 71% emerged, 99% 1998, 91% avg. Soybeans 87% emerged, 99% 1998, 96% avg. Sunflower 73% emerged, 96% 1998, 89% avg. Emerged crop condition: durum 0% very poor, 3% poor, 28% fair, 62% good, 7% excellent; canola 1% very poor, 3% poor, 27% fair, 57% good, 12% excellent; corn 1% very poor, 4% poor, 21% fair, 67% good, 7% excellent; dry edible beans 0% very poor, 4% poor, 24% fair, 60% good, 12% excellent; flaxseed 0% very poor, 3% poor, 30% fair, 57% good, 10% excellent; potatoes 0% very poor, 4% poor, 28% fair, 65% good, 3% excellent; soybeans 0% very poor, 6% poor, 21% fair, 64% good, 9% excellent; Sugar beets 0% very poor, 5% poor, 24% fair, 60% good, 11% excellent; sunflower 0% very poor, 2% poor, 23% fair, 66% good, 9% excellent. Pasture conditions were 0% very poor, 1% poor, 10% fair, 66% good, 23% excellent. Stock water supplies 0% very short, 0% short, 86% adequate, 14% surplus. Broadleaf and wild oat spraying 57% and 72% complete, respectively. Hay condition rated 6% above normal.

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**OHIO:** Days suitable for fieldwork 5.2. Topsoil moisture 19% very short, 35% short, 44% adequate, 2% surplus. Soybeans blooming 2%, 2% 1998, 0% avg. Winter wheat turning 98%, 86% 1998, 41% avg. Winter wheat ripe 6%, 6% 1998, 3% avg. Winter wheat harvested 1%, 0% 1998, 0% avg. Oats 85% headed, 79% 1998, 47% avg. Oats ripe 3%, 10% 1998, 3% avg. Tobacco beds transplanted, 97%, 64% 1998. Alfalfa 99% 1<sup>st</sup> cutting; other hay 92% 1<sup>st</sup> cutting. Alfalfa 2<sup>nd</sup> cutting, 15%, 7% 1998, 4% avg. Other hay 2<sup>nd</sup> cutting 9%, 2% 1998, 1% avg. Strawberries harvested 89%, 83% 1998, 48%, avg. Pasture 4% very poor, 16% poor, 35% fair, 38% good, 7% excellent. Winter wheat 0% very poor, 2% poor, 18% fair, 55% good, 25% excellent. Corn 1% very poor, 5% poor, 25% fair, 52% good, 17% excellent. Soybeans 1% very poor, 6% poor, 27% fair, 52% good, 14% excellent.

Activities throughout the state include replanting soybeans; spraying crops; scouting for insects; making hay; chopping silage; applying fertilizer; prepping combines for wheat, oat harvest; cultivating; filing acreage reports; building fences; planting vegetables; thinning fruit trees; mowing waterways, farm lots; clipping pastures; drilling double crop soybeans; spreading manure; controlling pond weeds; resetting some tobacco. Reported weed pressures were Canadian thistles, common grasses, giant ragweed, foxtail, broadleaf, chickweed, Johnsongrass, hemp dogbane, ironweed, milkweed, pigweed, morning glory. Some reported insects were cutworm, European corn borer, earworms in corn; aphids, spittlebugs, potato beetles in alfalfa; spider mites, leaf hoppers in soybeans. Diseases reported include scab, rust, smut on wheat; apple scab; early blight on tomatoes; angular leaf spot on tobacco. Excessive rains, slight hail was reported in Sandusky county this past week.

Reports on the condition of strawberries vary as some report a very good crop, others report a poor crop due to lack of rain. Sweet corn losses were reported in Pickaway county on nonirrigated acreage. Potatoes are starting to bloom in Wayne county, fruit crops are showing signs of stress due to dry weather in Gallia county. Rain earlier last week has helped some pastures but there are numerous reports of short, overgrazed, dormant pastures. Several producers are starting to feed hay. Cooler weather alleviated much of the stress on livestock. However, in the South Central district, livestock are still suffering from heat stress. Many producers have been deworming, vaccinating, castrating cattle.

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**OKLAHOMA:** Days suitable for fieldwork 4.8. Subsoil moisture 6% short, 90% adequate, 4% surplus. Topsoil moisture 8% short, 77% adequate, 15% surplus. Rainfall aids row crop growth. Wheat 99% soft dough, 99% 1998, 98% avg. Oats 99% soft dough, 99% 1998, 94% avg; 45% harvested, 72% 1998, 43% avg. Corn 1% poor, 5% fair, 91% good, 3% excellent; 11% tasseled, 9% 1998, 15% avg. Sorghum 38% up-to-stand, 45% 1998, 50% avg. Soybeans 62% planted, 80% 1998, 76% avg.; 51% up-to-stand, 54% 1998, 58% avg; 5% flowering, 2% 1998, 4% avg; Peanuts 93% up-to-stand, 92% 1998, 80% avg. Cotton 83% up-to-stand, 86% 1998, 80% avg.; Watermelons 68% vines running, 95% 1998, 78% avg.; 44% fruit set, 29% 1998, 25% avg. Alfalfa Hay 1% poor, 14% fair, 76% good, 9% excellent; 99% 1<sup>st</sup> cutting, 99% 1998, 98% avg.; 51% 2<sup>nd</sup> cutting, 71% 1998, 53% avg. Other Hay 63% 1<sup>st</sup> cutting, 66% 1998, 63% avg.; 5% 2<sup>nd</sup> cutting, 1% 1998, 3% avg; Livestock 2% poor, 8% fair, 75% good, 15% excellent. Feeder cattle prices up \$3 per cwt. from last week.

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**OREGON:** Days suitable for fieldwork 8. Topsoil 13% very short, 35% short, 50% adequate, 2% surplus. Subsoil 10% very short, 24% short, 63% adequate, 3% surplus. Winter wheat 20% very poor, 22% poor, 33% fair, 21% good, 4% excellent. Winter Wheat headed 87%, 97% 1998, 97% average. Range & pasture 9% poor, 24% fair, 61% good, 6% excellent. Activities: East Oregon, hay making underway. Warm temps produced stress in grain fields. Irrigated grain fields in good condition. Alfalfa growth set back due to frost in northeast, damage minimal. Sugar beets struggling, wilting in late afternoon. Summerfallow operations continued, spraying for weed control. In west, hay being cut, spraying & fertilizing continued. Irrigation of field corn in northwest started, green chop operations completed in Willamette Valley. Irrigation & summer maintenance primary activity at many nurseries. In southwest Easter lily growers beginning to disbud plants. Greenhouses putting out starts for flowers & vegetables. Nurseries still digging plants, northwest continues shipping balled large trees, some irrigation on newer plantings. In west, processing vegetables helped by warmer weather. Salad vegetables being harvested & new plants going in. The last processing plantings of corn, beans, onions, sweet corn & green beans being irrigated. Vegetable crops still several weeks behind. In Eastern Oregon onion & potatoes looked good, very few aphids on potatoes. Asparagus harvest nearly complete in northeast. Green pea harvest continued, with irrigated acres fair to good and dry acres poor. In the Willamette Valley, strawberry harvest began; raspberries showing color; blueberries & marion blackberries sizing, other blackberries setting fruit. Apples & pears continued to size. In the Rogue River Valley, orchardists applying second cover sprays. On the south coast, Stevens cranberries blooming; growers monitoring for black vine weevil adults & Lophodermium twig blight fungus. In Hood River, hand thinning of Bartlett pears continued. Anjou crop expected to show very good sizes. In the Willamette, prospects for a good cherry crop excellent with warm conditions. Livestock mostly good. Some feeder cattle shipments continued from southwest. Pastures good to excellent in Willamette Valley & along the coast. Pastures & ranges along the Columbia River are drier than normal, grass already maturing in many areas. The northeast mountains report a very short growing season as snow cover was heavy. Hot weather will speed grass maturation. Southeastern Oregon has better than normal rangeland conditions, particularly in the Klamath Basin.

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**PENNSYLVANIA:** Days suitable for field work 4.9. Soil moisture 18% very short, 41% short, 39% adequate, 2% surplus. Corn emerged 97% complete, 93% 1998, average not available. Average corn height 15 in., 10 in. 1998, 11 in. avg. Corn crop condition 1% very poor, 6% poor, 35% fair, 52% good, 6% excellent. Soybeans planted 95% complete, 86% 1998, 87% avg. Soybeans emerged 86% complete, 78% 1998, average not available. Soybean crop condition 3% poor, 41% fair, 51% good, 5% excellent. Barley 96% turning yellow, 97% 1998, 83% avg; 63% ripe,

69% 1998, 35% avg; 28% harvested, 43% 1998, 13% avg. Wheat 55% turning yellow, 66% 1998, 38% avg; 4% ripe, 4% 1998, 2% avg. Wheat crop condition 3% poor, 20% fair, 61% good, 16% excellent. Oats heading or headed 65% complete, 46% 1998, 40% avg; 9% turning yellow, 2% 1998, 1% avg. Oat crop condition 2% very poor, 13% poor, 36% fair, 45% good, 4% excellent. Alfalfa 1<sup>st</sup> cutting 91% complete, 84% 1998, 72% avg. Alfalfa 2<sup>nd</sup> cutting 17% complete, 9% 1998, 6% avg. Timothy clover 1<sup>st</sup> cutting 67% complete, 50% 1998, 44% avg. Quality of hay made 3% poor, 20% fair, 55% good, 22% excellent. Peach condition 2% fair, 64% good, 34% excellent. Apple condition 1% poor, 5% fair, 53% good, 41% excellent. Activities included planting soybeans and some vegetables; machinery maintenance; hauling manure; spreading fertilizers; caring for livestock; building and repairing fences; cutting hay; making haylage; applying pesticides; sowing beans; harvesting barley; and irrigating crops.

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**SOUTH CAROLINA:** Days suitable for fieldwork 4.8. Soil moisture 4% very short, 21% short, 72% adequate, 3% surplus. Barley 93% harvested, 93% 1998, 78% avg. Cantaloupes 12% harvested, 19% 1998, 26% avg.; 2% very poor, 19% poor, 44% fair, 35% good. Corn 58% silked, 67% 1998, 65% avg.; 9% very poor, 21% poor, 44% fair, 26% good. Cucumbers 60% harvested, 50% 1998, 52% avg; 18% poor, 62% fair, 20% good. Hay 3% very poor, 17% poor, 47% fair, 29% good, 4% excellent. Peaches 21% harvested, 21% 1998, 21% avg.; 7% very poor, 19% poor, 16% fair, 31% good, 27% excellent. Rye 95% ripe, 97% 1998, 95% avg.; 86% harvested, 88% 1998, 78% avg. Snapbeans 45% harvested, 44% 1998, 32% avg.; 40% fair, 60% good. Sorghum 87% planted, 77% 1998, 71% avg.; 5% very poor, 7% poor, 7% fair, 81% good. Sweet potatoes 85% planted, 99% 1998, 87% avg.; 4% poor, 17% fair, 79% good. Tomatoes 19% harvested, 22% 1998, 34% avg.; 15% fair, 85% good. Watermelons 10% harvested, 14% 1998, 19% avg.; 2% very poor, 17% good, 48% fair, 30% good, 3% excellent. Winter wheat 100% ripe, 99% 1998, 93% avg.; 92% harvested, 83% 1998, 68% avg.

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**SOUTH DAKOTA:** Topsoil 1% short, 75% adequate, 24% surplus. Subsoil 72% adequate, 28% surplus. A week of wet and cool weather conditions limited progress for many producers across the state. In some areas producers were busy cultivating and spraying, as weed control is a priority in many areas. Corn planted 99%, 100% 1998, 97% avg. Corn emerged 96%, 99% 1998. Corn height 10 in., 13 in. 1998, 10 in. avg. Corn first cultivation 28%, 48% 1998, 36% avg. Sorghum condition 17% excellent, 67% good, 16% fair. Winter rye condition 28% excellent, 46% good, 25% fair, and 1% poor. Flaxseed condition 9% excellent, 72% good, 18% fair, and 1% poor. Alfalfa condition 24% excellent, 56% good, 16% fair, 3% poor, and 1% very poor. Sunflower condition 14% excellent, 56% good, 26% fair, and 4% poor. Winter wheat turning color 5%, 26% 1998, 11% avg. Spring wheat 71% in boot stage, 78% 1998, 53% avg. Oats 63% in boot stage, 76% 1998, 51% avg. Oats turning color 5%, 3% 1998, 21% avg. Barley 59% in boot stage, 75% 1998, 49% avg. Winter wheat 98% in boot stage, 99% 1998, 94% avg. Winter rye 97% in boot, 99% 1998, 98% avg. Winter rye headed 87%, 94% 1998, 84% avg. Winter rye turning color 8%, 40% 1998, 12% avg. Flaxseed 100% seeded, 100% 1998, 95% avg. Flaxseed 95% emerged, 97% 1998, 86% avg. Sunflower 87% seeded, 92% 1998, 83% avg. Alfalfa first cutting 53%, 55% 1998, 46% avg. Cattle condition 31% excellent, 64% good, 5% fair. Sheep condition 32% excellent, 65% good, 3% fair. Feed supplies 81% adequate, 19% surplus. Stock water supplies 72% adequate, 28% surplus.

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**TENNESSEE:** Days suitable for fieldwork 6.0. Topsoil 17% very short, 30% short, 53% adequate. Subsoil 12% very short, 31% short 57% adequate. Corn 17% tasseled, 16% 1998, 15% avg.; 1% very poor, 8% poor, 26% fair, 55% good, 10% excellent. Tobacco 96% transplanted, 79% 1998, 84% avg.; 1% very poor, 10% poor, 34% fair, 46% good, 9% excellent. Wheat 75% harvested, 60% 1998, 44% avg. Pasture feed 2% very poor, 16% poor, 38% fair, 42% good, 2% excellent. Other hay 96% harvested, 91% 1998; 2% very poor, 13% poor, 44% fair, 39% good, 2% excellent. Parts of State received much needed rain during the first part of last week, dry weather then moved in and resumed it's hold on the State. Rain was a welcome sight for those who received it, but more is needed. Corn crop, which is moving into it's critical stage of pollination is especially in need of moisture. Last week's dry conditions did allow wheat harvest to continue at a rapid pace. Producers reported excellent yields, good test weights. Tobacco growing counties reported Black Shank, other diseases are showing up in many fields. Cooler than

normal temperatures last week helped keep most crops in good to fair condition despite the lack of rain. Other agricultural activities included finishing up the 1st cutting of hay, harvesting snap beans, planting pumpkins.

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**TEXAS:** All areas of state reported scattered showers during week with heavier amounts reported in Plains, East, parts Central, Blacklands. Growing conditions continued to improve with added moisture, however hail, very heavy rains along with high winds in High Plains destroyed some fields. Hay activity experienced problems with continued rain some areas. Livestock conditions also remained good. Overall, most areas will begin Summer in good shape.

**Crops:** Small Grains: Harvest slowly expanded High Plains fields, however early week rains kept progress to minimum. Many fields showed hail, heavy rain damage but overall, a good crop expected in Plains. Harvest delayed North Central fields. Corn: Progress good most fields in High Plains, however some fields recovering from hail damage. Corn continued to dent in Blacklands, Central where good rainfall have left most fields in excellent shape. Fields matured slowly in Coastal Bend, along Upper Coast. Warmer, open conditions will improve progress. Harvest expected to begin soon in Rio Grande Valley. 42% doughing, 29% 1998, 29% avg. 19% denting, 10% 1998, 7% avg. Cotton: Progress fair in Plains where warmer, open weather is needed for improvement. Early week hail damaged additional fields. Replanting necessary either to cotton or alternative crops as fields dry out. Bolls continued to open along Upper Coast, Coastal Bend, Rio Grande Valley. Growth, development all these areas good. Fields continued to square in Blacklands, Central. 9% setting bolls, 15% 1998, 11% avg. 1% open bolls, 1% 1998, 1% avg. Peanuts: Plants growing well in Plains with most fields escaping hail damage. Many fields blooming by end week. Growth also good in South Central last week, however planting slowed by wet fields. Rice: Prolonged wetness could begin cause problems along Upper Coast if dryer conditions don't return. Fields continued head out, make good progress. Sorghum: Final planting progress slow in Plains. Early fields up, showing good growth. Fields also showed good progress in Blacklands, Central with some turning color. Midge a minor problem scattered areas. Scattered showers in Coastal Bend, Rio Grande Valley, along Upper Coast slowed harvest progress. Statewide sorghum condition rated 82% normal compared 55% last year. 39% heading, 42% 1998, 47% avg. 26% turning color, 23% 1998, 25% avg. 13% mature, 5% 1998, 7% avg. 7% harvested, 0% 1998, 0% avg. Soybeans: Growth of planted fields good in Plains, however planting progress slowed by wet fields. Hail damage minor. Producers will begin planting behind hailed out cotton some areas as conditions dry out. Growth, development good in Blacklands. Early planted fields maturing along Upper Coast where progress has been good. Other Crops: Sunflowers 80% planted, 71% 1998, 68% avg. Oats 83% harvested, 60% 1998, 61% avg.

**Commercial Vegetables:** Rio Grande Valley, scattered showers kept land preparation to minimum, most harvest has ended. San Antonio-Winter Garden, harvest slowed by wet conditions. East, sweet potatoes continued to look good. Sweet corn harvest slowly expanded. Prolonged wet conditions could begin hurt crops. High Plains, progress good with minimum hail damage reported. Trans Pecos, rain decreased irrigation needs. Peaches: Rain slowed harvest in Hill Country. East production continued low. Pecans: Crop progress across state remained good. Additional rainfall decreased irrigation needs some areas. Insect damage remained low. Most areas have reported heavy nut sets.

**Range and Livestock:** Range, pasture conditions are best in several years due beneficial rain. Grasshoppers remained problem many areas. Rain during week caused some problems for cut hay waiting to be baled. Livestock conditions remained good, markets were little stronger.

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**UTAH:** Days suitable for fieldwork 7. Topsoil moisture 1% very short, 21% short, 76% adequate, 2% surplus. Subsoil moisture 1% very short, 12% short, 85% adequate, 2% surplus. Pasture, range condition 1% poor, 29% fair, 65% good, 5% excellent. Winter wheat headed 75%, 82% 1998, 83% avg. Corn emerged 98%, 97% 1998, 19% avg; height 9 inches, 7 inches 1998, 10 inches avg. Spring wheat headed 53%, 43% 1998, 60% avg. Barley headed 59%, 32% 1998, 55% avg. Other hay cutting 26%, 10% 1998, 18% avg. Alfalfa hay first cutting 75%, 50% 1998, 67% avg. Oats headed 29%, 17% 1998, 15% avg. Cattle moved to summer range 98%, 85% 1998, 89% avg. Sheep moved to summer range 95%, 76% 1998, 82% avg. Major activities included cutting, baling hay, irrigating crops, spraying for weeds and insects.

**VIRGINIA:** Days suitable for fieldwork 5.3. Topsoil moisture 37% very short, 41% short, 21% adequate, 1% surplus. Subsoil moisture 46% very short, 37% short, 16% adequate, 1% surplus. Pastures 25% very poor, 43% poor, 26% fair, 6% good. Livestock 2% very poor, 8% poor, 35% fair, 46% good, 9% excellent. Hay, Other 20% very poor, 43% poor, 28% fair, 8% good, 1% excellent. Hay, Alfalfa 5% very poor, 20% poor, 51% fair, 22% good, 2% excellent. Corn for Grain 0% silked, 0% 1998, 0% avg; 9% very poor, 21% poor, 40% fair, 28% good, 2% excellent. Soybeans 52% planted, 59% 1998, 58% avg; 7% very poor, 16% poor, 45% fair, 32% good. Winter Wheat 16% harvested, 15% 1998, 13% avg. Barley 65% harvested, 61% 1998, 56% avg. Tobacco, Flue Cured 1% poor, 25% fair, 50% good, 24% excellent. Tobacco, Burley 98% planted, 92% 1998, 93% avg; 3% very poor, 13% poor, 20% fair, 43% good, 21% excellent. Tobacco, Dark Fire Cured 1% poor, 29% fair, 56% good, 14% excellent. Tobacco, Sun Cured 100% planted, 99% 1998, 100% avg; 20% poor, 20% fair, 60% good. Peanuts 0% pegged, 3% 1998, 1% avg; 2% poor, 13% fair, 74% good, 11% excellent. Cotton 2% squaring, 3% 1998, 10% avg; 3% very poor, 9% poor, 35% fair, 41% good, 12% excellent. Apples, All 13% poor, 45% fair, 41% good, 1% excellent. Peaches 14% very poor, 9% poor, 28% fair, 47% good, 2% excellent. Rainfall helped to improve crop conditions across the Commonwealth this past week. Prior to the recent showers, growers were concerned that crops were reaching critical stages. Producers are hopeful that full yield potential can still be realized. Most corn has emerged and is expected to begin tasseling in the coming weeks. Soybean planting is slightly behind normal schedule due to the dry conditions plaguing Virginia over the past weeks. Planting of soybeans is expected to resume after last weeks rain and progress rapidly as small grains are harvested. Wheat and barley harvest continues with most producers reporting better than expected yields. This can be credited to limited disease and insects problems and adequate rain early in the spring. Tobacco, cotton, and peanuts remains in mostly in good condition. Hay producers are reporting low yields from their second cutting of hay. This remains a concern as livestock producers plan for winter feed supplies. Pastures have shown some improvement with recent rain but are still being utilized at a much faster rate than re-growth. In order to conserve hay and other feed supplies for late summer and winter months, a number of livestock producers are reducing herd size by selling cow/calf pairs.

**WASHINGTON:** Days suitable for fieldwork 6.9. Topsoil moisture was 29% very short, 35% short, and 36% adequate; subsoil moisture 22% very short, 51% short, and 27% adequate. There were no significant changes from last week. Conditions were still dry and fields were showing drought stress. Winter wheat, dryland 15% very poor, 27% poor, 36% fair, 21% good, 1% excellent; irrigated 100% good. Headed 98%, 100% 1998, 95% avg. Spring wheat, dryland 20% very poor, 36% poor, 37% fair, 7% good; irrigated 100% good. Headed, 57%, 76% 1998, 65% avg. Barley, dryland 20% very poor, 41% poor, 37% fair and 2% good; irrigated, 100% good. Headed 45%, 81% 1998, 67% avg. Dry weather continues to cause stress in the spring crops. Some producers were considering turning under spring crops due to the poor crop conditions. Hay and other roughage supplies were 11% short, 66% adequate and 23% surplus. Range and pasture, 11% very poor, 20% poor, 53% fair, 15% good, and 1% excellent. Most crops are still 1-2 weeks late due to the cold spring and unfavorable weather conditions. Cherry harvest was well underway and hand thinning of apples and pears in central Washington continued. Strawberries were ripening and harvest was started while the raspberries were beginning to bloom. First cutting of alfalfa hay continued and second cutting was started. Dairymen were cutting grass silage. Turfgrass growers were preparing fields for seeding and were irrigating.

**WEST VIRGINIA:** Days suitable for fieldwork 5.2. Topsoil 51% very short, 32% short, 17% adequate. First cutting of hay, wheat harvest are well ahead of last year. Crops, pastures continue to be stressed from dry conditions. Wheat 2% very poor, 18% poor, 70% fair, 10% good; Wheat harvested 10%, 4% 1998. Hay condition 5% very poor, 18% poor, 42% fair, 31% good, 4% excellent; Hay 1<sup>st</sup> cut 86%, 61% 1998, 58% avg. Corn condition 2% very poor, 31% poor, 56% fair, 11% good; Corn Silked 1%. Oats condition 3% very poor, 13% poor, 41% fair, 43% good. Oats headed 62% and 45% 1998. Soybeans condition 9% very poor, 33% poor, 45% fair, 13% good. Tobacco condition 46% fair and 54% good. Apples condition 8% poor, 44% fair, 48% good. Peaches condition 43% fair and 57% good. Cattle 2% poor, 31% fair, 59% good, 8% excellent. Sheep 1% poor, 18% fair, 63% good, 18% excellent.

**WISCONSIN:** Days suitable for fieldwork 5.1. Soil moisture 0% very short, 9% short, 72% adequate, 19% surplus. The weather seems to be creating a contrast between different areas of the State. For some, the week provided the cool, dry weather needed for making hay and to get fields sprayed for weeds and insects. For others, it was another wet week preventing them from making hay, spraying weeds, and for some, getting the last of the corn and soybeans planted. Dry weather or not, hay that is still standing is losing quality fast. Many farmers are wondering what to do with the abundant crop. The fields that were cut early are reported as having excellent regrowth with the potential of a second crop harvest within the next two weeks. There is some concern over the population of potato leaf hoppers and alfalfa weevils in the regrowth. First crop Hay Harvest: 77% 1999, 87% 1998, 66% 5-year average. Many farmers have begun to harvest their peas and oats for forage. The corn fields are also getting mixed reviews, even though most of the acreage was reported to be in good to excellent condition. Some fields have been reported to be very clean and healthy looking. Others still need to be planted, have been replanted, or are showing signs of excessive moisture. A few fields suffered light frost damage from the cool nights. Some spraying for weeds was done last week. The oats were reported to be enjoying the cool weather and are showing signs that indicate an excellent crop. Many pick-your-own strawberry farms opened up last week to the public with a large and abundant crop of berries. There has been good growth of the potato crop, though some fields did have some reported frost damage. Soybeans emerged 94% 1999, 99% 1998, avg not available. Soybean 2% very poor, 1% poor, 16% fair, 59% good, 22% excellent. Winter wheat 1% poor, 5% fair, 60% good, 34% excellent. Vegetables and fruits seem to be doing very well, and the strawberry harvest is moving into full swing with a large and plentiful crop. Pasture feed 1% poor, 9% fair, 59% good, 31% excellent.

**WYOMING:** Days suitable for fieldwork 6.3. Topsoil 14% short, 81% adequate, 5% surplus. Subsoil 9% short, 87% adequate, 4% surplus. Winter wheat boot 91%, 100% 1998, 97% avg.; headed 86%, 94% 1998, 85% avg.; turning color 1%, 14% 1998, 9% avg. Spring wheat jointed 80%, 98% 1998, 75% avg.; boot 50%, 80% 1998, 55% avg.; headed 18%, 41% 1998, 27% avg. Barley jointed 82%, 96% 1998, 89% avg.; boot 66%, 73% 1998, 69% avg.; headed 44%, 37% 1998, 35% avg. Oats jointed 69%, 89% 1998, 75% avg.; boot 31%, 59% 1998, 45% avg.; headed 6%, 34% 1998, 17% avg. Corn average height 11", 10" 1998, 11" avg. Dry beans emerged 91%, 92% 1998, 83% avg. Alfalfa first cutting 16%, 12% 1998, 18% avg. Other hay cut 3%, 11% 1998, 7% avg. Range and pasture condition 1% poor, 59% good, 40% excellent. Stock water supplies 1% short, 90% adequate, 9% surplus. Livestock condition 76% good, 24% excellent. Below normal temperatures for most of the week.