

Weekly Weather and Crop Bulletin

State Stories

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ALABAMA: Days suitable for fieldwork 5.2. Topsoil moisture 5% very short, 22% short, 60% adequate, and 13% surplus. Corn planted 99%, 97% last week, 92% 2011, and 95% five-year average; emerged 95%, 90% last week, 73% 2011, and 84% five-year average; condition 2% very poor, 6% poor, 22% fair, 64% good, and 6% excellent. Soybeans planted 32%, 27% last week, 12% 2011, and 29% five-year average; emerged 19%, 12% last week, 5% 2011, and 11% five-year average; condition 4% poor, 25% fair, 71% good. Hay Harvested-First Cutting 67%, 55% last week, 45% 2011, and 27% five-year average. Winter wheat headed 96%, 96% last week, 93% 2011, and 63% five-year average; harvested 8%, 2% last week, 0% 2011, and 0% five-year average; condition 3% very poor, 5% poor, 24% fair, 63% good, and 5% excellent. Livestock condition 3% poor, 27% fair, 59% good, and 11% excellent. The week's average mean temperatures ranged from 66.4 F in Haleyville, to 72.9 F in Mobile; total precipitation ranged from 0.05 inches in Mobile, to 3.81 inches in Birmingham. More rain was received this past week helping crops and pastures. Thanks to the rain, producers were back in the fields planting row crops. Corn and soybeans were emerged and in good condition. Peaches were in good condition as early harvest season approaches.

ALASKA: Days suitable for fieldwork 6.0. Topsoil moisture 5% short, 85% adequate, 10% surplus. Subsoil moisture 5% short, 90% adequate, 5% surplus. Barley planted 10%. Hay supplies 5% very short, 10% short, 80% adequate, 5% surplus. Livestock condition 10% fair, 65% good, 25% excellent. Pasture and range condition 50% poor, 15% fair, 35% good. Fieldwork underway and on schedule. Fertilizer and manure was applied to hay and pasture ground.

ARIZONA: Temperatures were above normal in all but two weather stations for the week ending May 13, ranging from 3 degrees below normal at Parker to 7 degrees above normal at Prescott and Yuma. The highest temperature of the week was 106 degrees at Paloma. The lowest reading was 24 degrees at Grand Canyon. Precipitation was recorded in 7 of the 21 weather stations. Payson and Phoenix received the least precipitation at 0.03 inches and Douglas received the most at 0.40 inches. To date in 2012 all weather stations have below normal precipitation. Alfalfa conditions continue to be mostly fair to excellent, depending on location. Harvesting has occurred on almost all of the growing areas across the State. Nearly the State's entire durum wheat crop has headed. Arizona growers shipped cabbage, watermelons and potatoes. Rangeland conditions continued to deteriorate this past week with the lack of much needed moisture. Conditions rang from very poor to good depending on location and elevation. Wildfire concerns are increasing.

ARKANSAS: Days suitable for fieldwork 5.6. Topsoil moisture 5% very short, 36% short, 53% adequate, and 6% surplus. Subsoil moisture 3% very short, 35% short, 60% adequate, and 2% surplus. Corn 100% emerged, 88% 2011, 90% avg.; condition 6% poor, 28% fair, 49% good, 17% excellent. Cotton 76% emerged, 9% 2011, 28% avg.; condition 2% very poor, 7% poor, 21% fair, 43% good, 27% excellent. Sorghum 96% emerged, 57% 2011, 64% avg.; condition 4% poor, 35% fair, 56% good, 5% excellent. Soybean condition 4% poor, 36% fair, 51% good, 9% excellent. Winter Wheat 3% harvested n/a 2011, n/a avg. Livestock were in good condition. Pasture and range condition was mostly good. Much needed rain fell over Arkansas' delta region on May 7th.

CALIFORNIA: Warm and dry conditions this week aided the maturation progress for the wheat crop. The whole crop was virtually headed as harvest started throughout the State. Some early planted wheat was cut for hay and silage as conditions continued to be rated mostly good to excellent. Oat hay cutting continued. Alfalfa growers advanced to the second cutting in the Central Valley while some producers were treating their crop for alfalfa weevil. Warmer soil temperatures were benefiting cotton as producers were nearly finished planting the crop as the early planted cotton was emerging at a rapid pace. Corn showed good development. Rice plantings continued.

Plum, prune, peach, apricot, and nectarine fruit continued to progress and develop as peaches and prunes were producing heavily. Harvest continued in early peach and apricot varieties. Cherry fruit was developing as growers continued to spray for Oriental Fruit Fly. Early cherry varieties were getting close to harvest in the San Joaquin Valley. Weed treatments and bloom spray applications continued in stone fruit orchards. Grape and kiwi vines were growing fast as temperatures increased while shoot thinning started in grape vineyards. Grapes were blooming in early varieties and locations while some fruit were developing. Mating disruptions for European Grapevine Moth have been put up in high risk vineyards. Pomegranates and persimmons were continuing to leaf-out. Apples were blooming and leafing-out. Blueberries and strawberries were being picked and packed in the San Joaquin Valley. Strawberries continued to mature in the northern part of the state. Blackberry harvest was expected to start soon in Tulare County. Orange and avocado bloom was nearing an end. Navel oranges, tangerines, tangelos and lemons continued to be harvested and packed for export. The harvesting of late variety navel oranges and early Valencia oranges continued to pick up. Almond nuts were developing nicely as heavy sets were reported across the state. Walnut fungicide applications continued. Pistachio nuts were developing. Fungicides were applied to some orchards. Kern County reported harvest of carrots. In Tulare County, tomatoes, peppers, cucumber, and squash plantings were winding down. Growth of tomatoes, cucumbers and eggplant was progressing well. Fresno County reported irrigation of garlic and onions, while some vegetables had to be re-planted due to cold and wet weather. Asparagus continued to be harvested as did broccoli, carrots, cucumbers, lettuce, squash, beets, cauliflower, cabbage, turnips, daikon, mustard greens, spinach, choys, chards, kales, sugar snap peas, snow peas, green and red onions, garlic, fava beans, and hot-housed herbs. Green beans were in varying states of maturity. Merced County reported finding light beet armyworm masses and hatches on tomatoes. Tomatoes were being planted in Stanislaus County. San Joaquin County reported continued harvesting of asparagus as processing tomatoes were being transplanted and onions were growing. In Sutter County, field preparation continued as tomato transplants were in the fields while onion and carrot seed crops were flowering. Rangeland conditions were reported as good to fair in locals that benefited from late season rains. Other areas of the state, primarily in the lower elevations, were beginning to dry out. Non-irrigated pasture continued to support livestock at higher elevations. Some valley floor pastures were irrigated. Cattle continue to be moved to summer range. Sheep and cattle grazed on retired farmland and alfalfa and idle fields. Sheep shearing had begun in Tulare County. Bees were removed from late stone fruit orchards and placed in citrus groves for honey production.

COLORADO: Days suitable for field work 6.6 days. Topsoil moisture 10% very short, 29% short, 58% adequate, 3% surplus. Subsoil moisture 14% very short, 39% short, 47% adequate. Barley 94% planted, 93% 2011, 94% avg.; 69% emerged, 61% 2011, 69% avg.; condition 37% fair, 57% good, 6% excellent. Spring wheat 93% planted, 71% 2011, 77% avg.; 50% emerged, 35% 2011, 46% avg., condition 32% fair, 62% good, 6% excellent. Winter Wheat 98% jointed, 74% 2011, 82% avg, 3% Turning color, 0% 2011, 0% avg. Fall Potatoes 56% planted, 38% 2011, 44% avg. Summer potatoes 95% planted, 42% 2011, 48% avg.; 55% emerged, 1% 2011, 6% avg. Sugarbeets 96% planted, 64% 2011, 84% avg.; 59% Up to Stand, 16% 2011, 22% avg.; condition 26% fair, 67% good, 7% excellent. Dry onions 99% planted, 96% 2011, 96% avg.; condition 22% fair, 75% good, 3% excellent. Dry Beans 9% planted, 6% 2011, 2% avg. Livestock condition 1% very poor, 3% poor, 22% fair, 70% good, 4% excellent. Overall, continued warm temperatures with scattered showers. Moisture aided cropland pasture growth. Mountain snowpack is 13 percent of average.

DELAWARE: Days suitable for fieldwork 4.6. Topsoil moisture 7%

short, 90% adequate, 3% surplus. Subsoil moisture 1% very short, 17% short, 79% adequate, 3% surplus. Hay supplies 6% short, 93% adequate, 1% surplus. Other Hay First Cutting 65%, 62% 2011, 34% avg. Alfalfa Hay First Cutting 67%, 59% 2011, 33% avg. Winter wheat condition 4% poor, 19% fair, 50% good, 27% excellent. Barley condition 1% very poor, 4% poor, 20% fair, 52% good, 23% excellent. Corn planted 86%, 67% 2011, 72% avg; emerged 66%, 36% 2011, 43% avg. Soybeans planted 14%, 15% 2011, 14% avg; emerged 4%, 0% 2011, 1% avg.; Barley headed 100%, 64% 2011, 47% avg; turned 15%, 26% 2011, 5% avg. Winter Wheat headed 95%, 59% 2011, 64% avg; turned 1%, 4% 2011, 1% avg. Cantaloupes planted 39%, 49% 2011, 27% avg. Cucumbers planted 19%, 22% 2011, 19% avg. Green Peas planted 100%, 78% 2011, 89% avg. Potatoes planted 95%, 73% 2011, 92% avg. Snap Beans planted 38%, 40% 2011, 32% avg. Sweet Corn planted 49%, 57% 2011, 43% avg. Tomatoes planted 32%, 58% 2011, 33% avg. Watermelons planted 57%, 63% 2011, 34% avg. Apples bloomed 99%, 90% 2011, 91% avg. Peaches bloomed 100%, 98% 2011, 99% avg. Strawberries bloomed 100%, 96% 2011, 94% avg; harvested 23%, 13% 2011, 13% avg. Corn was planted and quickly emerged due to the good surface moisture and warm soil.

FLORIDA: Topsoil moisture 23% very short, 42% short, 33% adequate, 2% surplus. Subsoil moisture 26% very short, 37% short, 36% adequate, 1% surplus. North peanut and cotton planting underway with some delay due to drought. Hastings area potato harvest continued. Washington County squash harvested. Gadsden County tomatoes in good condition. Gulf County field peas planted. Hillsborough County cantaloupe harvested. Levy County watermelons harvested. Vegetables market movement included blueberries, cantaloupes, watermelon, snap beans, sweet corn, cucumber, eggplant, okra, bell peppers, squash, tomatoes. Radishes finished for season. Moderate rainfall insufficient to alter drought. Abundant fruit of various sizes visible as new crop progresses. Late orange harvesting, young tree care primary grove activities. Of the 18 processing plants still open, all except one or two planning on finishing by end of month. Cattle Condition 1% very poor, 9% poor, 55% fair, 34% good, 1% excellent. Statewide, pasture condition very poor to excellent, slight decrease from previous week. Drought limiting grass growth. Cattle condition very poor to excellent, mostly fair. Panhandle pasture condition very poor to good, most fair to good. Varied rainfall gave pastures temporary reprieve. Cattle condition fair to good. North most pasture in fair condition. Cattle condition poor to excellent, most fair. Central pasture condition very poor to good, most poor to fair. Drought holding fast, some wells, lakes, stock ponds depleted in Orange County. Southwest pasture condition very poor to good. Pasture condition improved in Glades and Charlotte counties following rain showers. Cattle condition poor to good, mostly fair.

GEORGIA: Days suitable for fieldwork 5.4. Topsoil moisture 8% very short, 38% short, 49% adequate, 5% surplus. Subsoil moisture 21% very short, 42% short, 36% adequate, 1% surplus. Blueberries 9% poor, 27% fair, 39% good, 25% excellent. Blueberries Harvested 36%, 23% 2011, NA Avg. Corn 3% poor, 27% fair, 56% good, 14% excellent. Hay First Cutting 56%, 50% 2011, NA avg. Oats 1% very poor, 5% poor, 45% fair, 48% good, 1% excellent; Harvested 34%, 18% 2011, NA Avg. Onions Harvested 77%, 60% 2011, 52% avg. Peaches 24% poor, 34% fair, 13% good, 29% excellent; Harvested 18%, 5% 2011, 3% Avg. Rye 5% poor, 52% fair, 41% good, 2% excellent; Harvested 32%, 15% 2011, NA Avg. Sorghum Planted 24%, 23% 2011, 24% avg. Soybeans Planted 18%, 11% 2011, 14% avg. Tobacco 5% poor, 36% fair, 56% good, 3% excellent. Watermelons 2% poor, 39% fair, 53% good, 6% excellent. Winter Wheat 2% very poor, 7% poor, 37% fair, 45% good, 9% excellent; Harvested 27%, 8% 2011, 3% Avg. Precipitation estimates for the State ranged from 0 inches up to 3.7 inches. Average high temperatures ranged from the low 70's to the mid 80's. Average low temperatures ranged from the low 50's to the mid 60's.

HAWAII: Days suitable for fieldwork 7.0. Topsoil moisture 30% very short, 30% short, 40% adequate, 0% surplus. Very little precipitation fell in most areas this week, except for the island of Hawaii. The big island experienced quite a few rain showers early in the week, which tapered off as the week closed. The average rainfall across the state was 0.70 inch. Conditions of pasture and range declined due to the lack of precipitation. State irrigation reservoirs decreased slightly this week, but remained adequately full to ensure proper crop development in areas where available.

IDAHO: Days suitable for field work 6.5. Topsoil moisture 3% very short, 8% short, 83% adequate, 6% surplus. Field corn planted 60%, 35% 2011, 49% avg. Winter wheat jointed 54%, 36% 2011, 37% avg; boot stage 8%, 3% 2011, 5% avg. Potatoes planted 87%, 67% 2011, 66% avg; emerged 13%, 1% 2011, 3% avg. Oats planted 74%, 68% 2011, 78% avg; emerged 50%, 38% 2011, 45% avg. Dry peas planted 52%, 63% 2011, 64% avg; emerged 17%, 18% 2011, 19% avg. Lentils

planted 23%, 33% 2011, 50% avg. Dry beans planted 19%, 11% 2011, 17% avg; emerged 6%, 0% 2011, 0% avg. Hay and roughage supply 18% very short, 9% short, 65% adequate, 8% surplus. Irrigation water supply 10% fair, 71% good, 19% excellent. Sugarbeets emerged 61%, 35% 2011, 62% avg. The Franklin county extension educator reports alfalfa has started growing again after getting hit with frost several nights in a row and small grains are doing well. Jerome county extension educator reports range grasses are looking good but are seeing some effects of the dry spring. Twin Falls county extension educator reports most of the corn is planted until the triticale is chopped.

ILLINOIS: Days suitable for fieldwork 4.4. Topsoil moisture 2% very short, 10% short, 75% adequate, and 13% surplus. Subsoil moisture 2% very short, 16% short, 76% adequate 6% surplus. Oats headed 19% this week, 2% last year, 3% average; condition 3% poor, 26% fair, 62% good, 9% excellent. Alfalfa first cut 42% this week, 3% last year, 6% average; condition 1% very poor, 2% poor, 16% fair, 62% good, 19% excellent. Red clover condition 1% poor, 14% fair, 70% good, 15% excellent. Last week, weather patterns returned to more normal conditions than in previous weeks and fieldwork resumed at a brisk pace in most parts of the State. Statewide precipitation averaged just over an inch at 1.01 inch, 0.34 below the average and temperatures were a comfortable 62.0 degrees Statewide. The main field activities were corn and soybean planting as well as cutting and baling hay. Wet conditions slowed planting progress across most of the state last week with an average of 1.5 days suitable for field work, compared to 4.8 the previous week. The state wide average precipitation was 1.82 inches, 0.91 inches above normal. Planted crop progress was aided by the warm and wet conditions, with an average temperature of 68.5 degrees, 10.9 degrees above normal. Some farmers expect to replant corn acres due to oversaturation.

INDIANA: Days suitable for fieldwork 4.5. Topsoil moisture 2% very short, 13% short, 69% adequate, 16% surplus. Subsoil moisture 2% very short, 16% short, 74% adequate, 8% surplus. Corn condition 3% poor, 25% fair, 57% good, 15% excellent. Alfalfa first cutting 43%, 0% 2011, 0% avg. Temperatures ranged from 2o below normal to 5o above normal with a low of 34o and a high of 91o. Precipitation ranged from 0.03 to 2.19 inches. Farmers continued planting in any areas that were dry enough to support equipment. The feverish planting pace farmers were on has slowed but planting of corn is still approximately 28 days ahead of last year while soybean planting is 26 days ahead. Frost damage to winter wheat is becoming more evident in the northern counties as the crop begins to form heads. Fruit and berry crops in northern and some central areas have also sustained considerable damage due to frost. Farmers made good progress spraying herbicides to their corn acreage during the week.

IOWA: Days suitable for fieldwork 5.1, compared with just 1.5 days the previous week. Topsoil moisture levels rated 9% short, 83% adequate, and 8% surplus. Subsoil moisture rated 4% very short, 16% short, 71% adequate, and 9% surplus. With dry and warmer weather, Iowa saw widespread planting of both corn and soybeans as farmers worked at a rapid pace to plant their crops. Corn planting advanced 26 percentage points Statewide with each district of the State increasing at least 19 percentage points. Farmers Statewide planted nearly one-third of the expected soybean crop during the week ending May 13th. Northwest Iowa had the largest increase with 39 percentage points.

KANSAS: Days suitable for fieldwork 6.2. Topsoil moisture 8% very short, 28% short, 62% adequate, 2% surplus. Subsoil moisture 8% very short, 28% short, 62% adequate, 2% surplus. Winter wheat turned color 26%, 0% 2011, 0% avg; insect infestation 76% none, 18% light, 5% moderate, 1% severe; disease infestation 52% none, 28% light, 16% moderate, 4% severe. Corn condition 1% very poor, 2% poor, 25% fair, 64% good, 8% excellent. Alfalfa first cutting 81%, 15% 2011, 9% avg. Feed grain supplies 6% very short, 15% short, 77% adequate, 2% surplus. Hay and forage supplies 13% very short, 16% short, 69% adequate, 2% surplus. Stock water supplies 5% very short, 12% short, 81% adequate, 2% surplus. Many Kansas producers received a break from the unseasonably hot temperatures last week as more than half of the State recorded below average temperatures for the first time in 2012. Only 21 of 53 stations recorded at or above normal temperatures with weekly highs ranging from the high-70's to the low-90's. Average temperatures ranged from the mid-50's to the mid-60's, and three stations reported weekly low temperatures of 31 or 32 degrees. The State received sparse precipitation as only three stations received over an inch of rain, and 42 stations received less than half an inch, including 13 stations that received no precipitation at all. Lawrence led the State at 1.53 inches followed by Pittsburg at 1.13 inches and Garnett at 1.03 inches. The West Central, Southwest, and South Central Districts all reported over half of their topsoil moisture supplies to be short to very short. Lack of precipitation continues to be a concern among many Kansas producers as the wheat progresses

toward maturity and spring planting continues. All districts have seen at least some of the wheat turning color as the crop continues to progress three weeks ahead of normal. With the South Central and Southeast Districts wheat crop 50 percent turned color, the State is averaging 26 percent turned color. Since precipitation continues to be scarce in many of the principal wheat growing districts, the condition of the wheat crop continued to decline. The condition of the corn crop was rated at 1 percent very poor, 2 percent poor, 25 percent fair, 64 percent adequate, and 8 percent excellent. Producers in a few areas are already hauling water to cattle.

KENTUCKY: Days suitable for fieldwork 4.8. Topsoil 5% very short, 19% short, 62% adequate, 14% surplus. Subsoil moisture 5% very short, 23% short, 64% adequate, 8% surplus. Rainfall averaged 1.78 inches Statewide, 0.68 in. above normal. Temperatures averaged 64 degrees, 1 degree higher than normal for this time. Emerged corn average height 9 in., most advanced 15 inches. Dark tobacco set 20%. Burley tobacco set 24%. Projected date for beginning of winter wheat harvest June 1. Winter wheat condition 2% very poor, 14% poor, 34% fair, 45% good, 5% excellent. Hay crop condition 1% very poor, 11% poor, 33% fair, 45% good, and 10% excellent. Strawberry production 41% small, 45% medium, 14% large. Warm temperatures and scattered precipitation early in the week. Mild weather and the return of rain by the weekend.

LOUISIANA: Days suitable for fieldwork 5.4. Soil moisture 2% very short, 20% short, 64% adequate, 14% surplus. Corn silked 23% this week, 9% last week, 1% last year, n/a average; condition 19% fair, 62% good, 19% excellent. Winter Wheat turning color 100% this week, 100% last week, 98% last year, 91% average; harvest 51% this week, 21% last week, 29% last year, 8% average; condition 4% very poor, 9% poor, 28% fair, 55% good, 4% excellent. Sweet Potatoes planted 15% this week, 8% last week, 5% last year, 5% average. Hay first cutting 69% this week, 57% last week, 50 last year, 39% average. Livestock condition 3% poor, 28% fair, 59% good, 10% excellent. Vegetables condition 1% very poor, 5% poor, 27% fair, 59% good, 8% excellent. Sugarcane condition 3% poor, 23% fair, 45% good, 29% excellent.

MARYLAND: Days suitable for fieldwork 6.1. Topsoil moisture 4% very short, 23% short, 72% adequate, 1% surplus. Subsoil moisture 9% very short, 27% short, 63% adequate, 1% surplus. Hay supplies 4% very short, 16% short, 78% adequate, 2% surplus. Other Hay First Cutting 45%, 40% 2011, 22% avg. Alfalfa Hay First Cutting 66%, 28% 2011, 26% avg. Winter wheat condition 3% very poor, 3% poor, 17% fair, 58% good, 19% excellent. Barley condition 5% very poor, 5% poor, 15% fair, 59% good, 16% excellent. Corn planted 82%, 67% 2011, 65% avg; emerged 52%, 32% 2011, 32% avg. Soybeans planted 14%, 11% 2011, 11% avg; emerged 3%, 0% 2011, 1% avg. Barley headed 95%, 91% 2011, 42% avg; turned 18%, 1% 2011, 2% avg. Winter Wheat headed 94%, 78% 2011, 68% avg; turned 0%, 1% 2011, 2% avg. Cantaloupes planted 30%, 30% 2011, 34% avg. Cucumbers planted 20%, 24% 2011, 25% avg. Green Peas planted 96%, 98% 2011, 86% avg. Potatoes planted 100%, 100% 2011, 99% avg. Snap Beans planted 23%, 17% 2011, 21% avg. Sweet corn planted 54%, 42% 2011, 49% avg. Tomatoes planted 36%, 36% 2011, 42% avg. Watermelons planted 21%, 26% 2011, 34% avg. Apples bloomed 100%, 98% 2011, 94% avg. Peaches bloomed 100%, 96% 2011, 97% avg. Strawberries bloomed 95%, 90% 2011, 90% avg; harvested 24%, 6% 2011, 9% avg. Rain continued to improve soil moisture conditions. Corn and soybeans were planted and beginning to emerge.

MICHIGAN: Days suitable for fieldwork 4. Topsoil 2% very short, 5% short, 68% adequate, 25% surplus. Subsoil 1% very short, 5% short, 78% adequate, 16% surplus. Oats 1% very poor, 1% poor, 22% fair, 63% good, 13% excellent; planted 94%, 59% 2011, 83% avg; emerged 84%, 21% 2011, 53% avg; headed 0%, 0% 2011, 0% avg. Wet weather kept farmers out of fields at least part of week. Corn planting continued. Warmer weather and rains helped emergence rates. Soybean planting continued. Wheat condition continued to be very good. Wheat beginning to head southern Michigan. Army worm moths observed. Sugarbeet stands good shape. Apples ranged from full bloom north to 10 to 12 mm south. Many orchards have little or no fruit. Viable tart cherries also rare. Late petal fall northwest. Balatons fared better than Montmorency cherries. Sweet cherries 4.5 to 7.5 mm northwest and 15 mm southwest. While percentage of full crop will be better than for tarts, it will still be small. New shoots Concord and Niagara juice grapes 3 to 4 inches long. Wine grapes northwest late bud swell. Peaches 12 to 15 mm southwest. Crop will be very small. Strawberries full bloom south; fields very wet from frost protection. Blueberries full bloom to early petal fall. Frost protected blocks especially susceptible to mummy berry and Phomopsis canker diseases. Bloom began early bramble varieties. Vegetable development hastened by recent rains and warm weather. Asparagus growing nicely with warmer temperatures. Harvest full swing. Onions

continued to emerge. Celery planting continued, some open field. Wet soils have held up progress. Sweet corn emerging and looking good. Open field processing tomato planting full swing. Tomatoes under protection at pruning stage. Squash and zucchini transplants tunnels putting out flowers. Carrot planting neared completion. Stands looked good. Cabbage crop southeast looked great. Peas early bloom.

MINNESOTA: Days suitable for fieldwork 4.5. Topsoil moisture 2% Very Short, 10% Short, 77% Adequate, 11% Surplus. Spring Wheat 5% Jointed, 0% 2011, 0% avg.; condition 1% Poor, 13% Fair, 69% Good, 17% Excellent. Barley 6% Jointed, 0% 2011, 1% avg.; condition 2% Poor, 15% Fair, 64% Good, 19% Excellent. Oats 10% Jointed, 0% 2011, 1% avg. Corn land prepared 95%, 54% 2011, 78% avg. Soybeans land prepared 62%, 14% 2011, 43% avg. Potatoes 86% Planted, 55% 2011, 66% avg. Canola 87% Planted, 13% 2011, 39% avg. Dry Beans 21% Planted, 3% 2011, 8% avg. Sweet Corn 19% Planted, 8% 2011, 24% avg. Green Peas 81% Planted, 32% 2011, 61% avg. Sugarbeets condition 5% Poor, 26% Fair, 65% Good, 4% Excellent. Alfalfa 6% First Cutting, 0% 2011, 1% avg. Several days of warm, dry conditions this past week allowed producers to continue planting progress. Below average precipitation was recorded at most reporting stations, with rains still needed in the northwestern part of the State. In southern areas, heavy rains the previous week improved topsoil moisture supplies, but kept producers out of the fields early this week.

MISSISSIPPI: Days suitable for fieldwork 4.2. Soil moisture 2% very short, 11% short, 82% adequate, and 5% surplus. Corn 100% planted, 100% 2011, 100% avg; 100% emerged, 97% 2011, 97% avg; 3% silked, 0% 2011, 0% avg; 2% poor, 13% fair, 57% good, 28% excellent. Sorghum 90% planted, 56% 2011, 66% avg; 75% emerged, 46% 2011, 52% avg; 5% poor, 25% fair, 59% good, 11% excellent. Peanuts 60% planted, 60% 2011, 37% avg. Wheat 68% mature, 25% 2011, 11% avg; 3% harvested, 0% 2011, 0% avg; 7% poor, 21% fair, 54% good, 18% excellent. Sweet potatoes 5% planted, 0% 2011, 0% avg. Watermelons 94% planted, 90% 2011, 94% avg; 1% poor, 6% fair, 39% good, 54% excellent. Hay 67% planted, 52% 2011, 57% avg; 1% poor, 16% fair, 70% good, 13% excellent. Blueberries 24% fair, 36% good, 40% excellent. Cattle 1% poor, 23% fair, 63% good, 13% excellent. Mississippi received needed rains this weekend. Rains have greatly improved crop conditions for hay, watermelons, and blueberries. There are reports of bugs in wheat fields. Resistant weeds continue to plague growers.

MISSOURI: Days suitable for fieldwork 5.0. Precipitation 0.63 inches. Temperatures were normal to 2 degrees below average. Topsoil moisture supply 7% very short, 16% short, 69% adequate, 8% surplus. Irrigation was in full swing in the southeast district. Ground worked spring tillage 92%, nearly 1 month ahead of 2011 and normal (5-yr avg). Corn condition 1% very poor, 5% poor, 23% fair, 59% good, and 12% excellent. Army worms were reported in the central and south-central districts. Winter wheat turning color 46%; all districts developed well ahead of historic norms. Dry conditions in the southeast district reduced wheat condition. Alfalfa hay 1st cutting 50%. Other hay cut 24%.

MONTANA: Days suitable for field work 5.8, 4.4 last year. Topsoil moisture 4% very short, 0% last year; 23% short, 2% last year; 65% adequate, 66% last year; 8% surplus, 32% last year. Subsoil moisture 4% very short, 0% last year; 24% short, 1% last year; 65% adequate, 76% last year; 7% surplus, 23% last year. Camelina planted 55%, 30% last year. Camelina emerged 29%, 16% last year. Corn planted 53%, 43% last year. Corn emerged 4%, 16% last year. Dry peas planted 96%, 41% last year. Dry Peas emerged 18%, 1% last year. Lentils planted 98%, 44% last year. Lentils emerged 20%, 4% last year. Oats planted 82%, 23% last year. Oats emerged 46%, 4% last year. Potatoes planted 43%. Sugar beets planted 83%, 65% last year. Sugar Beets emerged 37%, 25% last year. Durum Wheat planted 71%, 20% last year. Durum Wheat emerged 11%. Winter Wheat – spring stages 0% still dormant, 2% last year; 1% greening, 22% last year; 99% green & growing, 76% last year. Range and pasture feed condition 2% very poor, 1% last year; 11% poor, 8% last year; 39% fair, 26% last year; 43% good, 51% last year; 5% excellent, 14% last year. Livestock grazing 94% open, 82% last year; 4% difficult, 12% last year; 2% closed, 6% last year. Cattle and calves receiving supplemental feed 28%, 50% last year. Sheep and lambs receiving supplemental feed 33%, 44% last year. Livestock moved to summer ranges – cattle and calves 47%, 26% last year. Livestock moved to summer ranges – sheep and lambs 39%, 16% last year. Calving complete 95%; 93% last year. Lambing complete 82%; 78% last year. Montana had hot, windy days and freezing nights combined with scattered precipitation across much of the state last week. Lewistown received the highest amount of precipitation for the week with 0.41 of an inch of moisture and most other stations saw 0.00 to 0.37 of an inch. High temperatures ranged from the upper 60s to the upper 80s with the state-wide high

temperature of 88 degrees recorded at Huntley. A majority of stations reported lows in the upper teens to lower 30s. The coldest reported low was from Wisdom at 10 degrees followed by Cooke City and Deer Lodge with 17 degrees.

NEBRASKA: Days suitable for fieldwork 6.2. Topsoil moisture 4% very short, 28% short, 67% adequate, and 1% surplus. Subsoil moisture 5% very short, 31% short, 63% adequate, and 1% surplus. Wheat jointed 95%, 64% 2011, 67% avg. Sorghum emerged 4%, 1% 2011. Proso millet planted 3%. Alfalfa 1st cutting 44%, 1% 2011, 2% avg. Alfalfa conditions rated 4% poor, 24% fair, 56% good, 16% excellent. Wild hay conditions rated 1% poor, 23% fair, 73% good, 3% excellent. Both planting and crop progress continued ahead of average. Due to limited rainfall, topsoil moisture levels dropped again below average causing some producers to start pivots. Soybean planting was near two weeks ahead of average. Wheat jointed was 95 percent with half of the crop headed, 18 days ahead of average. The first cutting of alfalfa neared the half way point and was 3 weeks ahead of average. Planting of proso millet was underway. Temperatures averaged 3 degrees below normal across the State. High temperatures ranged from the upper 80's to lows of upper 20's in the Panhandle. Little or no precipitation fell across the State with the Southeast District receiving the largest amounts but only averaging .2 inch of rain.

NEVADA: Days suitable for fieldwork 7. High pressure over the State allowed temperatures to rise. Daily high temperatures rose several degrees statewide. Northeast and central Nevada continued to record freezing night time lows. Precipitation was nil. Weekly average temperatures ranged from one to six degrees above normal. Las Vegas temperature hit 97 degrees. Eureka recorded a low temperature of 18 degrees. Pasture and range conditions deteriorated further due to continued dry and breezy weather. Irrigated crops were in generally good condition, but concerns grew over irrigation water supplies for later in the season. Alfalfa growth responded to warmer temperatures. Harvest was underway in the South. Seeding of potatoes and spring grains progressed. Earlier seeded fields were emerging. Fall seeded grains showed good growth. Irrigation was underway and ditches were being cleaned. Calving and lambing were wrapping up and branding was becoming more common. Cattle were being moved to summer ranges. Sheep shearing was underway and lambs were being marked and docked. Moderate drought conditions are prevalent throughout Nevada. Severe drought conditions exist in northern parts of the State. Main farm and ranch activities included irrigating, planting, weed control, working livestock.

NEW ENGLAND: Days suitable for fieldwork 4.3. Topsoil moisture 6% short, 73% adequate, 21% surplus. Subsoil moisture 1% very short, 7% short, 80% adequate, 12% surplus. Maine Potatoes 40% planted, <5% 2011, 15% avg, condition N/A. Massachusetts Potatoes 95% planted, 40% 2011, 70% avg; 20% emerged, 0% 2011, 10% avg; condition 100% good. Rhode Island Potatoes 99% planted, 50% 2011, 70% avg; 60% emerged, <5% 2011, 15% avg; condition 100% good. Maine Oats 50% planted, 15% 2011, 25% avg; 10% emerged, 0% 2011, 5% avg, condition 100% excellent. Maine Barley 50% planted, 15% 2011, 25% avg; 10% emerged, 0% 2011, 5% avg, condition 100% excellent. Field Corn 20% planted, 10% 2011, 20% avg; <5% emerged, 0% 2011, <5% avg; condition 6% poor, 48% fair, 39% good, 7% excellent. Sweet Corn 30% planted, 20% 2011, 25% avg; 15% emerged, 10% 2011, 10% avg; condition 7% poor, 26% fair, 67% good. First Crop Hay condition 2% poor, 29% fair, 47% good, 22% excellent. Apples 9% bud stage, 23% early bloom, 24% full bloom, 44% petal fall; set 13% below average, 87% average; condition 2% very poor, 8% poor, 35% fair, 50% good, 5% excellent. Peaches 2% bud stage, 16% early bloom, 20% full bloom, 62% petal fall; set 50% below average, 49% average, 1% above average; condition 31% poor, 10% fair, 56% good, 3% excellent. Pears 2% early bloom, 29% full bloom, 69% petal fall; set 37% below average, 63% average; condition 18% poor, 10% fair, 71% good, 1% excellent. Strawberries 1% dormant, 43% bud stage, 29% early bloom, 18% full bloom, 9% petal fall; set 33% below average, 67% average; condition 9% poor, 11% fair, 70% good, 10% excellent. Massachusetts Cranberries 100% bud stage; condition 10% fair, 80% good, 10% excellent. Highbush Blueberries 13% bud stage, 37% early bloom, 28% full bloom, 22% petal fall; set 1% below average, 97% average, 2% above average; condition 16% poor, 28% fair, 51% good, 5% excellent. Maine Wild Blueberries 65% bud stage, 30% early bloom, 5% full bloom; condition 40% good, 60% excellent. The week began with average to above average daytime temperatures in the 60s and 70s. Nighttime temperatures were cool Monday night in northern New England, with some locations experiencing frost. Rainfall of greater than an inch fell in most locations from Tuesday to Thursday. Temperatures rapidly warmed up to the 70s and 80s by the weekend, providing favorable fieldwork conditions throughout all six States. General activities included transplanting vegetable plants, applying protective sprays,

disking, plowing, and planting a variety of vegetable crops and field crops.

NEW JERSEY: Days suitable for field work 6.0. Topsoil moisture 15% short and 85% adequate. Subsoil moisture 15% short, 80% adequate, and 5% surplus. Temperatures reached highs in the upper 70s to low 80s and lows in the low 30s to upper 40s across the Garden State. Winter wheat condition was 15% fair and 85% good. Field corn planted was at 95% planted with 60% emerged. Some rain throughout the week helped soil moisture improve. Hay harvest is picking up. Insects are showing up in field crops. Producers are noticing frost damage to blueberries and apples. Asparagus and strawberry harvests continue. The strawberry crop is heavy on fruit. Greens were also being harvested. Sweet corn has been planted and is up, but did suffer from frost as well. Fields are still being prepared for planting. Sawflies, gnats, cabbage worms have increased.

NEW MEXICO: Days suitable for fieldwork 6.5. Topsoil moisture 45% very short, 30% short and 25% adequate. Wind damage 16% light, 8% moderate and 4% severe; 25% cotton damaged 62% winter wheat damaged and 45% onion damage to date. Freeze damage 3% light; 1% winter wheat damaged and 3% onion damage. Hail damage 14% light, 1% moderate and 2% severe. Alfalfa 6% very poor, 17% poor, 32% fair, 42% good and 3% excellent; 77% first cutting complete. Cotton 75% planted. Corn 82% planted; 26% emerged. Irrigated winter wheat 4% very poor, 11% poor, 56% fair, 11% good and 18% excellent; 88% headed; 62% grazed. Dry winter wheat 91% very poor and 9% poor; 75% headed; 68% grazed. Total winter wheat 61% very poor, 10% poor, 20% fair, 4% good and 5% excellent; 80% headed; 66% grazed. Peanut 10% planted. Lettuce 11% very poor, 23% fair, 33% good and 33% excellent; 52% harvested. Chile 10% very poor, 13% poor, 51% fair, 11% good and 15% excellent; 100% planted. Onion 8% poor, 31% fair, 44% good and 17% excellent. Apples 100% fair; 20% light fruit set and 80% average fruit set. Pecan Condition 1% very poor, 4% poor, 2% fair, 62% good and 31% excellent. Nut set 2% light, 95% average and 3% heavy. Cattle condition 32% very poor, 32% poor, 30% fair and 6% good. Sheep condition 28% very poor, 42% poor, 26% fair and 4% good. Range and pasture condition 48% very poor, 28% poor, 16% fair, 7% good and 1% excellent. An active weather week was marked by a couple of surface cold fronts bringing in much needed moisture back into New Mexico. A series of showers and thunderstorms mainly impacted locations on the eastern sides of the western high terrain and central mountain chain. The cities that saw the most precipitation was Carlsbad with 2.72 inches, Roswell with 1.70 inches and Ruidoso with 1.15 inches. The cold fronts kept temperatures around normal in the central and west while the east saw temperatures below normal. The cities with well below normal temperatures included Roswell at -11 degrees F, Carlsbad at -8 degrees F and Tatum at -8 degrees F.

NEW YORK: Days suitable for fieldwork 3.3. Soil moisture 1% very short, 6% short, 59% adequate, 34% surplus. Oats 80% planted, 31% last year, 76% avg; 1% poor, 15% fair, 71% good, 13% excellent. Corn 29% planted, 15% last year, 39% avg. Apples 81% petal fall. Peaches 97% full bloom, 79% petal fall. Pears 97% full bloom, 85% petal fall. Sweet cherries 83% petal fall. Tart cherries 94% petal fall. Sweet Corn 22% planted, 20% last year, 30% avg. Onions 63% planted, 50% last year, 65% avg. Snap beans 7% planted, 5 last year, 15% avg. Cabbage 16% planted, 4% last year, 20% avg. Lettuce 52% planted. The average rainfall for the State was 1.03 inches. Temperatures averaged 3 degrees above normal and precipitation was above normal also.

NORTH CAROLINA: Days suitable for fieldwork 4.4, compared to 5.9 the previous week. Statewide soil moisture levels were rated at 1% very short, 11% short, 73% adequate and 15% surplus. The State received mostly above normal precipitation and below normal temperatures the week ending May 13, 2012. Precipitation last week relieved soil moisture concerns in many areas, but some areas in the Piedmont and Coastal Plain regions are still dry.

NORTH DAKOTA: Days suitable for fieldwork 6.3. Topsoil moisture supplies 1% very short, 18% short, 73% adequate, 8% surplus. Subsoil moisture supplies 1% very short, 14% short, 74% adequate, 11% surplus. Durum wheat planted 76% this week, 55% last week, 2% last year, 32% average; emerged 47% this week, 19% last week, 0% last year, 10% average; jointed 2% this week, 0% last year, 0% average. Canola planted 82% this week, 51% last week, 7% last year, 39% average; emerged 26% this week, 6% last week, 0% last year, 11% average. Dry edible beans planted 12% this week, 2% last week, 1% last year, 4% average. Dry edible peas planted 88% this week, 70% last week, 6% last year, 60% average; emerged 52% this week, 19% last week, 0% last year, 19% average. Flaxseed planted 52% this week, 37% last week, 2% last year, 26% average; emerged 9% this week, 7% last week, 0% last year, 4% average. Potatoes planted 76% this week, 47% last week, 3% last year, 34% average; emerged 6%

this week, 3% last week, 0% last year, 2% average. Calving 93% complete. Pasture and range conditions 1% very poor, 7% poor, 23% fair, 58% good, 14% excellent. Weather conditions were nearly ideal for planting during the week. Crop development was aided by relatively dry conditions; however, reporters indicated rain would be beneficial in parts of the State. Other agricultural activities included spraying herbicides.

OHIO: Days suitable for field work 2.7. Top soil moisture 4% short, 65% adequate, 31% surplus. Apples condition 20% very poor, 13% poor, 30% fair, 31% good, 6% excellent. Peaches condition 28% very poor, 20% poor, 21% fair, 27% good, 4% excellent. Hay condition 4% poor, 33% fair, 51% good, 12% excellent. Livestock condition 1% poor, 15% fair, 63% good, 21% excellent. Winter wheat jointed 93%, 83% 2011, 87% avg. Alfalfa hay 1st cutting 12%, 1% 2011, 3% avg. Other hay 1st cutting 6%, 1% 2011, 2% avg. Cucumbers planted 16%, 6% 2011, 7% avg. Strawberries harvested 6%, 0% 2011, 1% avg. Potatoes planted 75%, 25% 2011, 55% avg. Processing tomatoes planted 11%, 5% 2011, 5% avg.

OKLAHOMA: Days suitable for fieldwork 5.8. Topsoil moisture 7% very short, 27% short, 65% adequate, 1% surplus. Subsoil moisture 12% very short, 34% short, 53% adequate, 1% surplus. Wheat soft dough 80% this week, 60% last week, 47% last year, 36% average. Canola condition 1% very poor, 3% poor, 22% fair, 50% good, 24% excellent; mature 84% this week, 59% last week, 62% last year, n/a average; harvested 12% this week, n/a last week, n/a last year, n/a average. Rye condition 1% very poor, 3% poor, 15% fair, 52% good, 29% excellent; soft dough 91% this week, 71% last week, 72% last year, 59% average. Oats condition 1% very poor, 2% poor, 20% fair, 57% good, 20% excellent; headed 81% this week, 65% last week, 49% last year, 44% average; soft dough 42% this week, 16% last week, n/a last year, n/a average. Corn condition 9% fair, 84% good, 7% excellent; planted 93% this week, 92% last week, 91% last year, 89% average; emerged 57% this week, 53% last week, 44% last year, 65% average. Sorghum seedbed prepared 84% this week, 77% last week, 83% last year, 72% average; emerged 7% this week, n/a last week, n/a last year, n/a average. Soybeans seedbed prepared 73% this week, 68% last week, 65% last year, 64% average; planted 31% this week, 22% last week, 18% last year, 22% average; emerged 6% this week, n/a last week, n/a last year, n/a average. Peanuts seedbed prepared 91% this week, 85% last week, 93% last year, 91% average; emerged 25% this week, n/a last week, n/a last year, n/a average. Cotton seedbed prepared 86% this week, 84% last week, 89% last year, 89% average. Alfalfa condition 1% very poor, 3% poor, 27% fair, 55% good, 14% excellent; 1st cutting 88% this week, 80% last week, 52% last year, 50% average. Other hay condition 1% very poor, 3% poor, 29% fair, 53% good, 14% excellent; 1st cutting 49% this week, 41% last week, 21% last year, 21% average. Watermelons planted 74% this week, 73% last week, 92% last year, 66% average; running 35% this week, 21% last week, n/a last year, n/a average. Livestock condition 4% poor, 26% fair, 55% good, 15% excellent. An early wheat harvest was progressing mid-week, but rain over the weekend stopped the combines in southwestern Oklahoma. Wheat in the Panhandle is still in need of additional rain to maintain expected yields as drought conditions are still rated as severe to extreme in that area. Most of the precipitation fell across the southern half of the State, and the Southeast, South Central and Southwest districts all averaged more than an inch of rain. Drought-stressed pastures and grasses were reported in several areas, evidenced by weed pressure or bare spots.

OREGON: Days suitable for fieldwork 6.8. Topsoil moisture 1% very short, 9% short, 85% adequate, 5% surplus. Subsoil moisture 3% very short, 5% short, 80% adequate, 12% surplus. Spring Wheat, Emerged 89%, 51% 2011, 80% average. Barley, Planted 95%, 84% 2011, 92% average. Barley, Emerged 85%, 59% 2011, 74% average. An abnormally dry week with some warmer temperatures was much welcomed. All stations received below normal precipitation for the week, with only four stations reporting a trace of precipitation. The average temperature across the State of 54 degrees was only 1.3 degrees above normal due to a wide swing between high & low temperatures. Thirty-two stations reported high temperatures of 80 degrees or higher, & twenty-nine stations had low temperatures at, or below freezing. No freeze damage has been reported. In all, it was a nice week to get a lot of work done. North central Oregon field spraying was a little behind due to wind & showers earlier in the week but mostly complete. Crops were looking very nice altogether. Cheat grass was heading above wheat. Rye was starting to head as well. Sherman County was well into summer fallow preparation. Some stripe rust discovered but not expecting the pressure that hit last year. In Umatilla County, warm temperatures & sunshine this week brought growth to crops in the region. Early planted corn was emerging, & the first cutting of hay was put up. Wheat continued to look good. Concerns about stripe rust were starting to appear but the warmer weather forecast

may help. Warmer western Oregon temperatures allowed farmers to plant, cultivate, & spray. Unseasonably warm temperatures boosted crop growth & development. Flag leaves emerging on wheat. Plant growth regulators were being applied to grass seed crops. Crimson clover seed crops were blooming. Klamath Basin irrigation was underway for most crops. There was lots of activity with grain planting. In the Willamette Valley, strawberries were starting to blossom. Orchards have had a good blooming season. Bees had a good week to pollinate crops. Codling moth emergence began. The weather was warming so more moths will be emerging in the coming days. Cherries were in the post bloom shuck split, shuck fall stage. Further south, orchard & vineyard spraying also caught up with full access to fields. The heat really pushed fruit trees & wine grapes to accelerate growth. The early development has already put them way ahead of the past to cool, late spring seasons. Good fruit set for apples, pears, peaches, cherries, & blueberry crops. Raspberries were in full bloom with great potential. Many vegetables were being planted with the good weather. Farmers markets that had started up were selling some winter vegetable crops. More than usual amounts of pests were found possibly due to the mild winter. Container growers were particularly affected by the jump in temperatures. They labored to provide cover for shade loving plants, increase spacing due to accelerating plant growth, & adjust pest scouting programs for changes in pest pressure. This work falls during the busy shipping season. Livestock producers were starting to ship cattle from California pastures back into Lake County. Wallowa range continued to improve & livestock owners were moving their herds to the hills for summer grazing.

PENNSYLVANIA: Days suitable for fieldwork 4. Soil moisture 4% short, 83% adequate, and 13% surplus. Spring plowing 93% this week, 87% last week, 48% last year, and 74% average. Barley yellow 47% this week, 29% last week, 9% last year, and 6% average. Winter Wheat headed 69% this week, 28% last week, 30% last year, and 30% average. Soybeans planted 26% this week, 10% last week, 11% last year, and 18% average. Potatoes planted 65% this week, 57% last week, 23% last year, and 45% average. Alfalfa first cutting 29% this week, 10% last week, 15% last year, and 14% average. Timothy/Clover first cutting 5% this week, 0% last week, 0% last year, and 1% average. Winter wheat condition 1% poor, 13% fair, 56% good, 30% excellent. Alfalfa stand condition 3% poor, 23% fair, 57% good, 17% excellent. Timothy clover stand condition 1% poor, 27% fair, 59% good, 13% excellent. Quality of hay made 1% poor, 25% fair, 64% good, 10% excellent. Peaches condition 35% fair, 37% good, 28% excellent. Apples condition 28% fair, 46% good, 26% excellent. Field activities for the week were filling silos, spraying crops, building maintenance, equipment repairs, as well as harvesting alfalfa and rye.

SOUTH CAROLINA: Days suitable for fieldwork 5.9. Soil moisture 9% very short, 33% short, 57% adequate, 1% surplus. Corn 1% very poor, 3% poor, 39% fair, 54% good, 3% excellent. Winter wheat 3% poor, 36% fair, 57% good, 4% excellent. Oats 1% poor, 33% fair, 61% good, 5% excellent. Tobacco 1% poor, 41% fair, 52% good, 6% excellent. Peaches 1% poor, 59% fair, 36% good, 4% excellent. Snap beans, fresh 69% fair, 21% good, 10% excellent. Cucumbers, fresh 68% fair, 31% good, 1% excellent. Watermelons 1% poor, 51% fair, 38% good, 10% excellent. Tomatoes, fresh 51% fair, 48% good, 1% excellent. Cantaloupes 1% poor, 57% fair, 42% good. Livestock condition 1% very poor, 3% poor, 32% fair, 62% good, 2% excellent. Corn planted 100%, 100% 2011, 100% avg; emerged 96%, 97% 2011, 95% avg. Soybeans planted 38%, 29% 2011, 21% avg; emerged 20%, 10% 2011, 9% avg. Winter wheat headed 100%, 100% 2011, 99% avg; turning color 80%, 50% 2011, 39% avg; ripe 40%. Oats planted 100%, 100% 2011, 100% avg; emerged 100%, 100% 2011, 100% avg; headed 100%, 99% 2011, 98% avg. Grain hay 80%, 68% 2011, 66% avg. Peaches harvested 3%. Snap beans, fresh planted 98%, 92% 2011, 96% avg. Cucumbers, fresh planted 95%, 96% 2011, 94% avg. Watermelons planted 98%, 98% 2011, 96% avg. Cantaloupes planted 98%, 96% 2011, 93% avg. Much needed rainfall arrived the week ending May 13, 2012. The State average rainfall for the period was 1.5 inches, supplying sorely needed precipitation to field crops and pastures. Soil moisture conditions improved considerably to 9% very short, 33% short, 57% adequate and 1% surplus. Temperatures were warm toward the beginning of the week but cooled later in the week due to the rainfall. The State average temperature for the period was one degree above normal. There were isolated thunderstorms and heavy rain showers in some areas which provided 5.9 days suitable for fieldwork.

SOUTH DAKOTA: Days suitable for fieldwork 5.3. Topsoil moisture 6% short, 85% adequate, 9% surplus. Subsoil moisture 3% very short, 11% short, 78% adequate, 8% surplus. Winter wheat boot 76%, 18% 2011, 20% avg. Spring wheat condition 1% poor, 17% fair, 64% good, 18% excellent. Spring wheat boot 9%, 0% 2011, 0% avg. Barley condition 6% fair, 92% good, 2% excellent. Oats boot 3%, 0% 2011,

0% avg. Alfalfa hay condition 2% poor, 18% fair, 66% good, 14% excellent. Cattle condition 4% fair, 75% good, 21% excellent. Calving 91% complete. Cattle moved to pasture 64% complete. Sheep condition 4% fair, 65% good, 31% excellent. Lambing 91% complete. Feed supplies 2% very short, 1% short, 90% adequate, 7% surplus. Stock water supplies 3% very short, 5% short, 87% adequate, 5% surplus. Most areas of the State made good progress planting corn and soybeans this past week. Major activities last week included planting of row crops, weed control, caring for livestock, calving and lambing.

TENNESSEE: Days suitable for fieldwork 5.5. Topsoil moisture 12% very short, 30% short, 56% adequate, 2% surplus. Subsoil moisture 10% very short, 31% short, 58% adequate, 1% surplus. Winter Wheat 79% turning color, 7% 2011, 5% avg; 14 percent ripe, 0% 2011, 3% avg. Tobacco 21% transplanted, 9% 2011, 11 avg. Hay 46% First Cutting, 14% 2011, 17% avg. Corn condition 5% poor, 22% fair, 60% good, 13% excellent. Showers and thunderstorms provided some needed relief. All regions continue to need rain. Crops developing at rapid rate well ahead of norm. Cotton and soybean planting, tobacco transplanting, fertilizing, spraying post-emergence herbicides, hay harvest major farm activities. Wheat crop ripening. Harvest to begin two weeks. Strawberry harvest on-going. Temperatures slightly above normal. Rainfall above normal middle and below normal elsewhere.

TEXAS: Most areas of Texas received rainfall last week. Portions of South and West Texas received up to six inches of rain while other areas of the State observed scattered showers. Hay production was in full swing around the State. A lot of wheat and oats were being green chopped or baled for hay. Many grain producers were harvesting or getting ready to harvest with several reporting above average yields. In the High Plains, irrigated wheat was in good condition, while dryland wheat remained in need of moisture. In parts of North Texas, small grain harvest was put on hold due to rain. In parts of the Northern Plains, dry conditions prevented the planting of row crops, though many producers were busy with land preparations and chemical applications. Some were able to begin planting irrigated cotton and peanuts. In most other areas of the State, rainfall helped to improve the condition of corn, cotton, and sorghum and soybeans. Planting was temporarily halted in parts of Central Texas due to heavy rainfall. In parts of the Southern Plains, cool soil temperatures delayed planting and slowed crop progress. In North and East Texas, peaches and pecans continued to progress well. Blueberry and blackberry condition was generally good with harvest approaching. In the Lower Valley, harvest of vegetables and melons slowed, and melons appeared to be in very good condition. Onion harvest was delayed in the Edwards Plateau and South Texas due to wet fields. Range and pastureland remained dry in areas of the Plains. Supplemental feeding resumed. In East and South Texas, pastures and stock tanks benefited from rain showers. Some producers concerned with the threat of wildfire applied herbicides to control weed and brush growth. Horn flies on cattle were also becoming a problem. Shearing and marking of sheep was wrapping up as producers made plans to ship soon.

UTAH: Days Suitable For Field Work 7. Subsoil Moisture 4% very short, 39% short, 57% adequate, 0% surplus. Irrigation Water Supplies 5% very short, 15% short, 80% adequate, 0% surplus. Winter Wheat headed 9%, 7% 2011, 7% avg. Winter Wheat Condition 0% very poor, 5% poor, 21% fair, 63% good, 11% excellent. Spring Wheat emerged 96%, 44% 2011, 66% avg. Spring Wheat, Very Poor 0% very poor, 2% poor, 17% fair, 77% good, 4% excellent. Barley emerged 88%, 43% 2011, 64% avg. Barley Condition 0% very poor, 0% poor, 12% fair, 81% good, 7% excellent. Oats planted 91%, 67% 2011, 80% avg. Oats emerged 69%, 29% 2011, 45% avg. Corn planted 69%, 36% 2011, 43% avg. Alfalfa height 12%. Cattle and calves moved To Summer Range 27%, 4% 2011, 13% avg. Cattle and calves condition 0% very poor, 0% poor, 10% fair, 68% good, 22% excellent. Sheep and lambs moved To Summer Range 23%, 4% 2011, 12% avg. Sheep Condition 0% very poor, 0% poor, 5% fair, 78% good, 17% excellent. Stock Water Supplies 5% very short, 19% short, 76% adequate, 0% surplus. Sheep Sheared On Range, Sheep Sheared On Range 98%, 98% 2011, 84% avg. Ewes Lamb On Range, Ewes Lamb On Range 71%, 75% 2011, 73% avg. Apples Full Bloom Or Past 97%, 55% 2011, 71% avg. During the past week 6.6 days were suitable for field work. The soil continues to dry out and concerns about irrigation water continue to increase. Conditions in Box Elder County this week were dry and windy. Daytime temperatures were at or near normal, but low temperatures in a few locations were on the cool side. Some farmers are flood irrigating alfalfa fields in the Bear River valley because of dry weather. Duchesne County reports that the county continues to dry out as no significant moisture has been received. In Utah County the west side of the county is reporting very dry conditions. For the State, topsoil moisture is 8 percent very short, 37 percent short, and 55 percent adequate. Box Elder County reports that major activities this week

were corn planting and irrigation. Corn that was planted early has started to emerge from the ground and looks good. Dry land farmers were continuing to fallow the acreage that is not planted for harvest this year. Some alfalfa fields were windrowed last week in the Bear River Valley. Alfalfa is reported to look very good overall. Winter Wheat is reported as good to very good. Dry land wheat could use a good rain as soil moisture is being depleted by plant use and evaporation. Utah County reports that most of the crops are planted and first crop hay harvest is expected to begin soon. Box Elder sheep producers with range flocks are finishing lambing of their ewes. Ranchers are busy tending their herds and flocks which are reported to be in good condition. Calving and lambing seasons are mostly over. Cattle producers were able to turn out animals this weekend on some BLM permits. The range land is dry overall and in some areas of the county very little green growth can be identified. Dry conditions are beginning to affect range growth and livestock water availability. Most herds are still grazing on lower elevation meadows and pastures. In Duchesne County most producers turned out their livestock on forest allotments on time this year. Some producers have begun to ship livestock to summer ranges while others are finishing up branding and other spring livestock activities. Other producers that have moved their livestock to spring ranges, have begun to haul water to their livestock due to the anticipated dry conditions. Much of the spring desert range feed has dried up. In Utah County ranchers are reporting that range conditions are very dry and producers in some areas of the county are hauling water to livestock.

VIRGINIA: Days suitable for fieldwork 5.2. Topsoil moisture 13% short, 81% adequate, 6% surplus. Subsoil moisture 2% very short, 18% short, 77% adequate, 3% surplus. Livestock 2% poor, 18% fair, 58% good, 22% excellent. Other Hay 5% poor, 38% fair, 51% good, 6% excellent. Alfalfa Hay 21% fair, 61% good, 18% excellent. Corn 18% fair, 78% good, 4% excellent. Corn planted 84%, 78% 2011, 78% 5-yr avg; emerged 71%, 54% 2011, 58% 5-yr avg. Soybeans planted 21%, 20% 2011, 15% 5-yr avg; emerged 8%, 4% 2011, 3% 5-yr avg. Winter Wheat 2% poor, 13% fair, 73% good, 12% excellent; headed 96%, 84% 2011, 68% 5-yr avg. Barley 3% poor, 19% fair, 70% good, 8% excellent; harvested 11%, na 2011, na 5-yr avg. Tobacco Greenhouse 27% fair, 50% good, 23% excellent. Tobacco Plant beds 54% fair, 36% good, 10% excellent. Flue Cured Tobacco transplanted 58%, 41% 2011, 48% 5-yr avg. Burley Tobacco transplanted 15%, 10% 2011, 10% 5-yr avg. Fire Cured Tobacco transplanted 30%, 27% 2011, 17% 5-yr avg. Potatoes 20% fair, 70% good, 10% excellent. All Apples 3% poor, 47% fair, 40% good, 10% excellent. Peaches 7% poor, 38% fair, 46% good, 9% excellent. Grapes 2% poor, 32% fair, 51% good, 15% excellent. Oats 17% fair, 75% good, 8% excellent. The rainfall has continued across the Commonwealth, assisting crops in some areas and hindering farmers in others. Some producers were able to work around scattered showers and make considerable progress on corn, soybean, tobacco and cotton planting. For the most part, showers have been beneficial to emerging crops, but dry weather is now needed so growers can continue with planting and hay cutting. Some slug injury has been reported in corn. The additional rain has also been problematic for strawberry farmers –spoilage has occurred in ripe fruit due to a lack of pickers.

WASHINGTON: Days suitable for fieldwork 6.6. Topsoil moisture 12% short, 69% adequate, 19% surplus. Subsoil moisture 1% very short, 13% short, 80% adequate, 6% surplus. Irrigation water supply 96% adequate, 4% surplus. Hay and other Roughage 7% very short, 8% short, 80% adequate, and 5% surplus. Potatoes 95% planted, 85% last week, 89% last year, 88% average; 25% emerged, 24% last week, 22% last year, 34% average. Corn 73% planted, 65% last week, 58% last year, 61% average; 19% emerged, 15% last week, 7% last year, 26% average. Dry Edible Beans 40% planted, 6% last week, 46% last year, 74% average. Dry Peas 55% planted, 27% last week, 58% last year, 78% average. Processing Green Peas 81% planted, 80% last week, 84% last year, 85% average. Average temperatures over the week were ideal for growing and planting. Crops in the Palouse were in especially good condition. Producers were working on their first round of spraying in Asotin County. Stripe rust levels appeared low to negligible. Alfalfa hay harvest started in the south end of Franklin County. Several nights in Pend Oreille and Spokane County bottomed out in the mid-20s, causing concern over stunted alfalfa hay growth. In the Yakima Valley, frost control measures were triggered in tree fruit mid-week, but damage to the newly set fruit was unlikely. Most fruit growers were aggressively thinning fruit in anticipation of an abundant fruit crop load. Grape buds were beginning to produce leaves with minimal winter injury experienced. In Chelan County, sweet cherry producers noticed orchards were set up for a large crop. Potato and field corn planting was progressing well, with potatoes near planting completion and field corn near the 75 percent planted mark. Fruit tree blooming in Pend Oreille County could see some negative effect from

last week's nightly freezing temperatures. As pasture conditions improved with the continued warm weather, cattle were turned out onto spring pasture in Klickitat, Pend Oreille, and many other counties. Livestock owners in Thurston County were applying herbicides for broadleaf weed control in pastures.

WEST VIRGINIA: Days suitable for field work 4. Topsoil moisture 1% very short, 15% short, 70% adequate and 14% surplus compared to 47% adequate and 53% surplus last year. Intended acreage prepared for spring crops 86%, 48% in 2011, and 79% 5-year avg. Hay and roughage supplies were 1% short, 83% adequate and 16% surplus compared to 7% very short, 23% short, 62% adequate and 8% surplus last year. Feed grain supplies were 2% short and 98% adequate compared to 7% very short, 21% short and 72% adequate last year. Corn was 62% planted, 21% in 2011, and 52% 5-year avg; 30% emerged, 10% in 2011, and 23% 5-year avg. Soybeans were 26% planted, 4% in 2011 and 24% 5-year avg; 10% emerged, comparison data not available. Winter wheat conditions were 1% poor, 41% fair and 58% good; 85% headed, 44% in 2011, and 48% 5-year avg. Hay conditions were 1% very poor, 6% poor, 39% fair, 52% good and 2% excellent. Apple conditions were 1% very poor, 11% poor, 46% fair, 40% good and 2% excellent. Peaches were 14% very poor, 26% poor, 33% fair, 26% good and 1% excellent. Cattle and calves were 2% poor, 32% fair, 61% good and 5% excellent. Sheep and lambs were 2% poor, 47% fair, 49% good and 2% excellent. The State had above normal rainfall and cooler temperatures last week. Farming activities included preparing fields for planting, chopping forages, moving livestock and fence work.

WISCONSIN: Days suitable for fieldwork 4.2. Topsoil moisture 1% very short, 5% short, 76% adequate, and 18% surplus. Spring tillage 79% complete this week, 67% last week, 45% last year, 66% average. First cutting hay 9% complete this week, n/a last week, 0% last year, 0% average. Corn and soybean planting were in full swing this week though wet conditions kept farmers out of fields in some areas. The first cutting of hay was well underway with 92 percent of the crop suffering light to no freeze damage statewide. Frost damage to fruit crops was still being assessed, with reported effects varying from mild to severe depending on earliness of the bloom and local conditions. Soils remained saturated across central Wisconsin, where additional rain fell after last week's severe storms. Hail damage, soil erosion and ponding were reported in several counties. Across the reporting stations, average temperatures last week were 2 to 4 degrees above normal. Average high temperatures ranged from 65 to 70 degrees, while average low temperatures ranged from 46 to 49 degrees. Precipitation totals ranged from 0.72 inches in La Crosse to 2.61 inches in Milwaukee.

WYOMING: Days suitable for field work 6.7. Topsoil moisture 12% very short, 44% short, 44% adequate. Subsoil moisture 18% very

short, 34% short, 48% adequate. Barley planted 96%, 85% 2011, 83% avg; emerged 82%, 49% 2011, 47% avg; jointed 2%, 0% 2011, 1% avg. Oats planted 89%, 64% 2011, 66% avg; emerged 53%, 25% 2011, 32% avg. Spring wheat planted 92%, 50% 2011, 61% avg; emerged 58%, 11% 2011, 24% avg. Winter wheat jointed 73%, 61% 2011, 49% avg; boot 16%, 0% 2011, 2% avg. Corn planted 46%, 38% 2011, 52% avg; emerged 6%, 0% 2011, 2% avg. Dry beans planted 9%, 0% 2011, 4% avg. Sugarbeets planted 97%, 56% 2011, 83% avg; emerged 10%, 7% 2011, 19% avg. Barley condition 1% poor, 32% fair, 66% good, 1% excellent. Winter wheat condition 1% poor, 36% fair, 63% good. Crop insect infestation 12% light. Spring calves born 93%, 87% last week. Farm flock ewes lambled 94%, 90% last week. Farm flock sheep shorn 92%, 86% last week. Range flock ewes lambled 42%, 34% last week. Range flock sheep shorn 78%, 69% last week. Calf losses 48% light, 52% normal. Lamb losses 48% light, 52% normal. Cattle moved to summer pastures 25%. Sheep moved to summer pastures 22%. Stock water supplies 3% very short, 18% short, 79% adequate. High temperatures ranged from 68 degrees in Lake Yellowstone to 91 degrees in Torrington. Low temperatures ranged from 15 degrees in Shirley Basin to 34 degrees in Lander. Average temperatures ranged from 39 degrees in Shirley Basin to 54 degrees in Greybull and Lander. Temperatures were 5 degrees above normal in Buford, Evanston, and Rock Springs and 5 degrees below normal in Lance Creek, Newcastle and Old Fort Laramie. Only 2 stations reported more than a tenth an inch of rain. The reporting station in Buford received 0.30 inch and the station in Newcastle reported 0.47 inch. Eight stations received less than a tenth of an inch and 23 stations reported no precipitation. All stations reported less than normal precipitation for the week. All but 2 stations reported less than normal precipitation for the year, those included Shirley Basin at 0.07 inch above normal and Lake Yellowstone at 2.87 inches above normal. SNOTEL snowpack is 29%, down 10% from last week and compared to 204% last year. Big Horn, Fremont and Converse Counties reported they are very dry. Uinta County reported floor conditions dry in 80% of the county. Livestock are being moved to summer pastures, and grazing prospects are dry. Weather has been cool and grass and meadows are slow to green up. High mountain snow is melting quickly with warmer days. Moisture is the key element needed for the county at this time. Lincoln County reported the rangeland is starting to dry out and the snowpack is about gone. Albany County reported fair irrigation water thus far but will dwindle fast in a very short time. Pastures are trying to start but without rain soon they will quickly dry totally up. In, Natrona County the Powder River is reported as almost dry. A few producers are already looking for hay. Activities included planting, tending to calves and lambs being born, sheering sheep and moving cattle and sheep to summer pastures.