



Crop Progress - State Stories

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ALABAMA: Days suitable for fieldwork was 5.7. Topsoil moisture 3% very short, 22% short, 69% adequate, 6% surplus. Subsoil moisture 2% very short, 19% short, 73% adequate, 6% surplus. Corn silking 98%, 94% last week, 94% 2013, 96% avg. Corn dough 81%, 61% last week, 63% 2013, 60% avg. Corn dented 31%, 14% last week, 19% 2013, 27% avg. Corn mature 2%, 0% last week, 0% 2013, 6% avg. Corn condition 2% poor, 13% fair, 63% good, 22% excellent. Soybeans emerged 97%, 91% last week, 100% 2013, 98% avg. Soybeans blooming 49%, 42% last week, 35% 2013, 47% avg. Soybeans setting pods 21%, 11% last week, 5% 2013, 14% avg. Soybeans condition 15% fair, 70% good, 15% excellent. Winter wheat harvested 100%, 99% last week, 100% 2013, 100% avg. Livestock condition 1% very poor, 2% poor, 22% fair, 60% good, 15% excellent. Pasture and range condition 1% very poor, 3% poor, 31% fair, 55% good, 10% excellent. The week's average mean temperatures ranged from 73.9 F in Muscle Shoals to 79.5 F in Montgomery; total precipitation ranged from 0.17 inches in Bessemer to 4.73 inches in Mobile. Cooler than normal temperatures prevailed throughout last week in Alabama. Showers moved across the state at the beginning of the week and again over the weekend. The coastal region had the largest accumulations with almost 5 inches. Field activities included fertilizing, scouting, and limited spraying. Crops and livestock continued to be rated in mostly good condition.

ALASKA: Days suitable for fieldwork 5.0. Topsoil moisture 5% short, 95% adequate. Subsoil moisture 5% short, 95% adequate. Barley in dough 40%. Oats headed 60%. First cutting hay 75% complete. Barley condition 5% poor, 40% fair, 30% good, 25% excellent. Oat condition 15% poor, 35% fair, 40% good, 10% excellent. All hay condition 5% poor, 25% fair, 55% good, 15% excellent. Potato condition 65% good, 35% excellent. Wind and rain damage to crops 98% none, 2% light. The main farm activities for the week were harvesting hay, fertilizing hay ground for second cutting, weed control, CRP maintenance, farm and fence maintenance.

ARIZONA: Days suitable for field work 7.0 days. Topsoil moisture 1% very short, 35% short, 64% adequate, 0% surplus. Subsoil moisture 8% very short, 33% short, 59% adequate, 0% surplus. Cotton squaring is 90 percent complete compared to 91 percent last year and 88 percent for the 5-year average, with conditions rated mostly good to excellent. Bolls setting is at 50 percent, depending on location, compared to 63 percent last year and 58 percent for the 5-year average. Conditions for cotton were 14% fair, 47% good, and 39% excellent. Arizona's alfalfa condition was rated in excellent to fair condition, depending on location. Harvesting occurred on over three-quarters of the alfalfa acreage across the State. Barley and Durum Wheat are completely harvested. Winter Wheat is 85 percent harvested, compared to 14 percent last year and 16 percent for the 5-year average. Watermelons and potatoes show movement this week. Rain brought much needed moisture to the State, but not enough to overcome drought conditions. Range and Pastures were rated very poor to fair condition, depending on location. Conditions were 27% very poor, 30% poor, 29% fair, 14% good and 0% excellent.

ARKANSAS: Days suitable for fieldwork 4.7. Topsoil moisture 1% very short, 17% short, 71% adequate, 11% surplus. Subsoil moisture 1% very short, 15% short, 74% adequate, 10% surplus. Corn reached 99% silking, 98% last week, 98% previous year, 98% 5-year average; 73% doughing, 50% last week, 60% last year, 74% 5-year average; 37% dented, 12% last week, 23% previous year, 45% 5-year average; 5% mature, 0% last year, 6% 5-year average. Corn condition 1% very poor, 7% poor, 23% fair, 47% good, and 22% excellent. Winter wheat reached 100% harvested, 99% last week, 100% last year, 100% 5-year average. Pasture condition 1% very poor, 7% poor, 29% fair, 51% good, 12% excellent. Livestock condition 1% very poor, 2% poor, 18% fair, 64% good, and 15% excellent. Most of the state received rainfall last week. Producers continued to plant and harvest crops as weather permitted.

CALIFORNIA: Days suitable for field work was 7 days. Topsoil moisture 50% very short, 30% short, 20% adequate, and 0% surplus. Subsoil moisture 40% very short, 50% short, 10% adequate and 0% surplus. An unusual weather pattern for summer developed across the State last week. High pressure aloft over the State gradually weakened and the center of

the high pressure shifted to the Four-Corners region. At the same time, monsoonal moisture streaming northward from Mexico began to make its way into the State. This shift in the weather pattern resulted in increasing cloud cover across the southeastern regions of the State, eventually moving up the Sierra Nevada Crest. Scattered showers and thunderstorms began to develop in the deserts and over the mountains. A weather disturbance then brushed the State increasing onshore flow and spreading scattered showers and thunderstorms across the northern portion of the State and reaching the Coastal Mountains. Significant rainfall was confined to mountain areas, with over an inch and a half falling near Yosemite. Light amounts did manage to reach the Central Valley by the weekend, with Sacramento receiving measurable rain on Sunday, which is very rare for July. Temperatures during the week were above normal at the start, but increased cloud cover and on shower flow brought cooler temperatures by the weekend across much of the State. In Sutter County, cotton, corn and dried beans were irrigated and cultivated for weeds. Silage corn and Sudan grass continued to mature. Baling of wheat straw continued. Sudan grass was showing significant growth. Alfalfa fields were treated for army worms. In San Joaquin County, corn was chopped for silage. Cotton continued to look good where growers have water. The crop progressed quickly by most accounts and the pest pressure remained relatively light. Grape bloom finished and bunches developed. Grape growers continued to train vines and irrigate, fertilize, and apply sulfur to vineyards. Wine and raisin type grapes were in veraison. Growers assessed heat damage from the previous week. Olive trees were setting fruit. Pomegranate trees continue to bloom and develop fruit. Apple growers thinned fruit. Avocado bloom was ongoing. Nectarines, peaches, and plums were harvested. Kernel fill in almonds was nearly complete across the State; shaking began with some shaking machines running in Kern County and the San Joaquin Valley. Some blocks in the San Joaquin Valley were treated for spider mites. Almond harvest is expected to start on a larger scale in a week. Nut fill continued to progress in pistachios, with flat mite development occurring in some blocks. Walnut growers sprayed for husk fly and codling moth and sprayed trees with whitewash to protect from sunburn. Tomato harvest was underway in many counties including Sutter, San Joaquin, Fresno and Kern. In San Joaquin County, onions, sweet corn and watermelons were harvested. In San Mateo County, growers harvested snow peas and artichokes. In Fresno County, onions were harvested and red bell pepper, garlic and carrot harvests were slated to begin in the next couple of weeks. In Tulare County, sweet corn, yellow squash, zucchini, cucumber, eggplant and bell pepper harvests continued with produce sold at roadside stands and Farmer's Markets. Range and non-irrigated pasture were in poor to very poor condition. Cattle and sheep grazed on idle fields, dry land grain and alfalfa fields. Supplemental feeding of livestock was ongoing. Cattle continue to be moved out of state. Bees were active in sunflower and seed alfalfa fields.

COLORADO: Days suitable for field work 4.9 days. Topsoil moisture 12% very short, 37% short, 49% adequate, 2% surplus. Subsoil moisture 24% very short, 32% short, 43% adequate, 1% surplus. Spring barley headed 92% this week, 88% last week, 96% last year, 97% average; coloring 19% this week, 15% last week, 26% last year, 44% average; harvested 2% this week, last week not available, 1% last year, 3% average; condition 2% very poor, 4% poor, 14% fair, 53% good, 27% excellent. Spring wheat headed 96% this week, 94% last week, 98% last year, 93% average; coloring 35% this week, 17% last week, 40% last year, 37% average; harvested 2% this week, last week not available, 2% last year, 1% average; condition 8% poor, 41% fair, 50% good, 1% excellent. Winter wheat mature 94% this week, 84% last week, 93% last year, 92% average; harvested 68% this week, 46% last week, 71% last year, 71% average; condition 26% very poor, 12% poor, 22% fair, 30% good, 10% excellent. Corn silking 25% this week, 8% last week, 26% last year, 27% average; condition 2% very poor, 5% poor, 25% fair, 51% good, 17% excellent. Dry beans blooming 45% this week, 26% last week, 31% last year, 33% average; condition 58% fair, 36% good, 6% excellent. Onion condition 2% poor, 15% fair, 67% good, 16% excellent. Potatoes fall inside SLV condition 6% very poor, 14% poor, 26% fair, 45% good, 9% excellent. Potatoes fall outside SLV condition 1% poor, 17% fair, 69% good, 13% excellent. Sorghum emerged 90% this week, 86% last week, 99% last year, 99% average; headed 5% this week, 1% last week, 11% last year, 17% average; condition 3% very poor, 18% poor, 51% fair, 28% good. Sugarbeets condition 1% very poor, 4% poor, 19% fair, 57% good, 19% excellent. Sunflowers condition 3% very poor, 21% poor, 35% fair, 36% good, 5% excellent. Alfalfa progress 2nd cutting 46% this week, 37% last week, 51% last year, 46% average; 3rd cutting 5% this week, last week not available, none last year, 1% average; condition 3% very poor, 10% poor, 28% fair, 44% good, 15% excellent. Livestock condition 2% poor, 21% fair, 65% good, 12% excellent. Pasture and range conditions 11% very poor, 24% poor, 25% fair, 33% good, 7% excellent. Last week was characterized by below normal temperatures and increased precipitation throughout the state. The lack of heat units slowed crop development in some instances while precipitation slowed harvesting and cutting activities, although some progress was made. Hail damage was reported in the San Luis Valley, the eastern district and southeastern districts. The most significant damage noted was within the San Luis Valley, with most damage particular to potatoes, alfalfa, and small grains. Reporters indicated non-irrigated cropland within the valley responded

nicely to the increased precipitation. Outside the San Luis Valley, condition of some crops fell slightly last week as a result of the low temperatures and isolated hail damage.

DELAWARE: Days suitable for fieldwork, 5.5. Topsoil moisture; 4% very short, 18% short, 57% adequate and 0% surplus. Subsoil moisture; 4% very short, 15% short, 81% adequate and 0% surplus. Alfalfa condition; 0% very poor, 3% poor, 17% fair, 75% good, 5% excellent. Apples condition; 3% very poor, 5% poor, 25% fair, 63% good, 4% excellent. Cherry condition; 7% very poor, 14% poor, 26% fair, 47% good, 6% excellent. Corn condition; 3% very poor, 5% poor, 24% fair, 60% good, 8% excellent. Other hay condition; 1% very poor, 2% poor, 17% fair, 75% good, 5% excellent. Pasture and Range Condition; 2% very poor, 9% poor, 37% fair, 49% good, and 3% excellent. Peaches condition; 4% very poor, 8% poor, 22% fair, 59% good, 7% excellent. Soybean condition; 0% very poor, 3% poor, 14% fair, 65% good, 18% excellent. Wheat conditions; 2% very poor, 6% poor, 22% fair, 63% good, 7% excellent. Alfalfa 2nd cutting; 59% this year, 89% last year, 90% five year average. Barley Coloring; 97% this year, N/A last year, N/A five year average. Barley Mature; 95% this year, N/A last year, N/A five year average. Barley Harvested; 95% this year, 100% last year, 100% five year average. Corn Silking; 76% this year, 80% last year, 83% five year average. Corn Milk; 28% this year, N/A last year, N/A five year average. Cantaloupe Harvested; 16% this year, 12% last year, 24% five year average. Cucumbers Planted; 90% this year, 96% last year, 96% five year average. Cucumbers Harvested; 36% this year, 35% last year, 41% five year average. Green Peas Harvest; 94% this year, N/A last year, N/A five year average. Lima Beans planted; 95% this year, 95% last year, 95% five year average. Lima Beans harvested; 8% this year, 18% last year, 32% five year average. Other hay 2nd cutting; 61% this year, 84% last year, 81% five year average. Snap Beans planted; 98% this year, 100% last year, 98% five year average. Snap Beans Harvested; 32% this year, 44% last year, 46% five year average. Soybean emerged; 93% this year, 89% last year, 97% five year average. Soybean blooming; 32% this year, 35% last year, 32% five year average. Soybeans setting pods; 20% this year, 14% last year, 32% five year average. Strawberries Harvested; 90% this year, N/A last year, N/A five year average. Sweet Corn Planted; 48% this year, 28% last year, 33% five year average. Tomatoes Harvested; 17% this year, 18% last year, 21% five year average. Watermelon Harvested; 23% this year, 12% last year, 22% five year average. Winter Wheat Mature; 95% this year, N/A last year, N/A five year average. Winter Wheat Harvested; 92% this year, 95% last year, 99% five year average. Peaches harvested; 6% this year, 19% last year, 41% five year average. Hay and Roughage Supplies; 0% very short, 5% short, 78% adequate and 17% surplus. Field activities for the week include cutting hay, planting, and applying fertilizer.

FLORIDA: Days suitable for field work; 6.1. Topsoil moisture, 7% short, 79% adequate, 14% surplus. Subsoil moisture 1% very short, 9% short, 80% adequate, 10% surplus. Hay being cut in Panhandle, north, central Florida. Army worms in crops in Panhandle. Dixie County, harvesting field corn. Peanut condition, 1% poor, 16% fair, 75% good, 8% excellent. Peanut pegging at 84%. Gadsden County planting fall tomato crop. Bradford County planting peppers, lettuce under protective covers. Vegetable crops being harvested Miami-Dade County; avocados, okra, boniato, malanga, mangoes. Pasture condition 4% poor, 24% fair, 63% good, 9% excellent. Cattle condition 1% poor, 17% fair, 74% good, 8% excellent. Cattle, pasture conditions generally good. Severe army worm problem in pastures in Panhandle. St. Lucie County, water standing in pastures. Rainfall in citrus producing area widespread, generally heavy. All stations received some precipitation. Daytime highs low to mid 90s. Per U.S. Drought Monitor, Florida citrus producing area drought free. Next season's citrus crop progressing well. Growers, caretakers applying summer oils, fertilizing, irrigating, resetting new trees.

GEORGIA: Days suitable for fieldwork 5.7. Topsoil moisture 5% very short, 32% short, 57% adequate, 6% surplus. Subsoil moisture 4% very short, 29% short, 64% adequate, 3% surplus. Range and pasture condition 0% very poor, 6% poor, 38% fair, 50% good, 6% excellent. Blueberries harvested 96%, 97% 2013. Corn condition 0% very poor, 5% poor, 30% fair, 55% good, 10% excellent. Hay 2nd Cutting 72%, 44% 2013. Peaches harvested 75%, 80% 2013. Sorghum condition 0% very poor, 2% poor, 36% fair, 57% good, 5% excellent. Sorghum planted 91%, 88% 2013. Soybean condition 0% very poor, 3% poor, 23% fair, 69% good, 5% excellent. Tobacco condition 2% very poor, 4% poor, 34% fair, 46% good, 14% excellent. Tobacco harvested 5%, 22% 2013. Watermelon harvested 88%, 81% 2013. Precipitation estimates for the state ranged from 0.2 inches up to 3.4 inches. Average high temperatures ranged from the low 80s to the low 90s. Average low temperatures ranged from the mid 60s to the mid 70s.

HAWAII: DATA NOT AVAILABLE

IDAHO: Days suitable for field work 6.9 days. Topsoil moisture 6% very short, 34% short, 60% adequate. Subsoil moisture 12% very short, 22% short, 66% adequate. Winter wheat condition 3% poor, 25% fair, 64% good, 8% excellent.

Winter wheat harvested 7%, 2% 2013, 2% avg. Barley condition 1% poor, 19% fair, 66% good, 14% excellent. Corn condition 21% fair, 78% good, 1% excellent. Dry beans condition 19% fair, 81% good. Hay alfalfa second cutting 45%, 52% 2013, 36% avg. Potatoes condition 3% poor, 13% fair, 70% good, 14% excellent. Spring wheat condition 32% fair, 52% good, 16% excellent. Irrigation water supply conditions 2% very poor, 7% poor, 28% fair, 59% good, 4% excellent. Pasture and range conditions 1% very poor, 3% poor, 38% fair, 49% good, 9% excellent. Temperatures for the week ranged from 0 degrees above normal to 10 degrees above normal with some precipitation across the entire state. Major agricultural activities included irrigation, harvesting of winter wheat and hay. Reports throughout the state indicated hot weather conditions benefited corn growth and the maturing of small grains. Jerome County extension agent reported that the water has been shut off in both the Salmon Tract and Big Wood/Magic systems which will affect producers in these areas. There has been an increased amount of grasshoppers reported in the eastern side of Franklin County. Crops continue to be in good condition.

ILLINOIS: Days suitable for fieldwork 6.0. Topsoil moisture 9% short, 83% adequate, 8% surplus. Subsoil moisture 1% very short, 14% short, 80% adequate, 5% surplus. Statewide precipitation averaged 0.52 inches, 0.36 inches below normal. Statewide temperature averaged 67.5 degrees, 9.4 degrees below average. Oats headed 96%, 100% 2013, 100% avg. Oats harvested 59%, 21% 2013, 37% avg.

INDIANA: Days suitable for fieldwork, 5.7. Topsoil moisture 2% very short, 14% short, 70% adequate, 14% surplus. Subsoil moisture 1% very short, 10% short, 78% adequate, 11% surplus. Alfalfa hay second cutting 79%, 2013 70%, 5ya 77%. Other hay second cutting 75%. Corn silking by region is 69% in North, 67% in Central, and 75% in South. Winter wheat harvested by region is 83% in North, 96% in Central, and 97% in South. Soybeans setting pods by region is 40% in North, 27% in Central, 29% in South. Average temperatures ranged from 64 to 71 degrees, or 11 to 5 degrees below normal. The lowest recorded temperature for the week was 45 degrees; the highest, 93 degrees. The statewide average temperature for the week was 68.2 degrees, 7.3 degrees below normal. Recorded precipitation ranged from 0.04 to 3.96 inches, with a statewide average of 1.05 inches. In contrast to recent weeks, cool and dry weather this week gave farmers ample opportunity to conduct fieldwork. Farmers stayed busy harvesting wheat, making hay, and spraying crops for weeds and pests. Weeds are abundant in some soybean fields that have yet to be sprayed. Dry weather also prompted farmers to bring out their irrigation systems. The winter wheat harvest is rolling to a close and tractors planting double-crop soybeans continue to roll in after them. Third cutting of hay began in select fields. Cool temperatures kept soils from drying as much as they might have otherwise this week – soil moisture at all layers was still reported at 80% adequate or above. Other activities for the week included roadside mowing, equipment maintenance, and attending fairs.

IOWA: Days suitable for fieldwork 6.3. Topsoil moisture 0% very short, 7% short, 82% adequate, and 11% surplus. Subsoil moisture 1% very short, 7% short, 82% adequate, and 10% surplus. Oats turning color 83%, 72% 2013, 88% average. Alfalfa 1st cutting 99%, 100% 2013, 99% average. Alfalfa 2nd cutting 54%, 48% 2013, 67% average. All hay condition 1% very poor, 5% poor, 26% fair, 51% good, 17% excellent. Over one-quarter of the second cutting of alfalfa hay was harvested during the week. The 6.3 days suitable for fieldwork surpassed the previous high this crop season of 5.3 days suitable near the end of May. In addition to cutting hay, activities for the week included fungicide and herbicide application. Average temperatures were below normal. A lack of precipitation across most of the state this week resulted in a decline in soil moisture levels. Pink-eye was reported in cattle due to wet conditions, but overall stress on livestock was minimal during the week.

KANSAS: Days suitable for fieldwork 5.4. Topsoil moisture supplies rated 9% very short, 24% short, 63% adequate, and 4% surplus. Subsoil moisture supplies rated 15% very short, 28% short, 55% adequate, and 2% surplus. Winter wheat conditions rated 19 percent very poor, 29 poor, 35 fair, 16 good, and 1 excellent. Corn dough 22%, 8% 2013, 17 avg. Sorghum emerged 96%, 100% 2013, 100% avg. Sunflowers emerged 92%, 97% 2013, 94% avg. Sunflowers blooming 5%, 9% 2013, 12% avg. Sunflower conditions 1% very poor, 3% poor, 32% fair, 55% good 9% excellent. Hay alfalfa conditions 3% very poor, 9% poor, 38% fair, 42% good, 8% excellent. Hay alfalfa second cutting 88%, 86% 2013, 93% avg. Hay alfalfa third cutting 13%, 11% 2013, 25% avg. Stock water supplies were rated 6% very short, 15% short, 78% adequate, and 1% surplus. Temperatures ranged from 6 to 15 degrees below normal while portions of western Kansas received up to an inch of rain.

KENTUCKY: Days suitable fieldwork 5.8. Topsoil 13% very short, 35% short, 47% adequate, 5% surplus. Subsoil moisture 10% very short, 33% short, 52% adequate, 5% surplus. Precipitation averaged 1.48 inches, 0.49 inches above normal. Temperatures averaged 70 degrees, 7 degrees below normal. Corn milk 36%, 7% 2013, 30% average; dough

18%, 0% 2013, 11% average; dented 4%, 0% 2013, 2% average. Tobacco blooming 38%, 30% 2013, 31% average; topped 16%, 11% 2013, 12% average. Tobacco set condition 1% very poor, 4% poor, 26% fair, 54% good, 15% excellent. Primary activities this week included spraying soybeans, baling hay, and general farm maintenance.

LOUISIANA: Days suitable for fieldwork, 4.0. Topsoil moisture 0% very short, 9% short, 58% adequate, 33% surplus. Subsoil moisture 2% very short, 8% short, 64% adequate, 26% surplus. Corn dough 96% this week, 91% last week, 99% last year, 98% average. Corn dented 77% this week, 64% last week, 84% last year. Corn mature 15% this week, 6% last week, 11% last year, 10% average. Corn condition 0% very poor, 1% poor, 12% fair, 63% good, 24% excellent. Peaches harvested 75% this week, 69% last week, 85% last year, 79% average. Hay first cutting 100% this week, 99% last week, 100% last year, 100% average. Hay second cutting 51% this week 45% last week, 58% last year, 56% average. Sugarcane condition 2% very poor, 10% poor, 34% fair, 42% good, 12% excellent. Vegetables condition 1% very poor, 13% poor, 41% fair, 41% good, 4% excellent. Pasture condition 0% very poor, 6% poor, 27% fair, 54% good, 13% excellent. Livestock condition 1% very poor, 7% poor, 29% fair, 53% good, 10% excellent.

MARYLAND: Days suitable for fieldwork, 5.5. Topsoil moisture; 1% very short, 5% short, 88% adequate and 6% surplus. Subsoil moisture; 0% very short, 4% short, 96% adequate and 0% surplus. Alfalfa condition; 1% very poor, 1% poor, 18% fair, 71% good, 9% excellent. Apples condition; 0% very poor, 1% poor, 6% fair, 86% good, 7% excellent. Cherry condition; 0% very poor, 9% poor, 9% fair, 80% good, 2% excellent. Corn condition; 1% very poor, 1% poor, 9% fair, 70% good, 19% excellent. Other hay condition; 2% very poor, 5% poor, 18% fair, 71% good, 4% excellent. Pasture and Range Condition; 1% very poor, 3% poor, 11% fair, 68% good, and 17% excellent. Peaches condition; 0% very poor, 3% poor, 11% fair, 76% good, 10% excellent. Soybean condition; 0% very poor, 3% poor, 14% fair, 67% good, 16% excellent. Wheat conditions; 1% very poor, 1% poor, 7% fair, 77% good, 14% excellent. Alfalfa 2nd cutting; 77% this year, 87% last year, 92% five year average. Alfalfa 3rd cutting; 23% this year, 14% last year, 27% five year average. Apples Harvested; 6% this year, 3% last year, 6% five year average. Corn Silking; 79% this year, 78% last year, 77% five year average. Corn Milk; 30% this year, N/A last year, N/A five year average. Cantaloupe Harvested; 18% this year, 21% last year, 27% five year average. Cucumbers Harvested; 31% this year, 42% last year, 41% five year average. Lima Beans planted; 87% this year, 100% last year, 95% five year average. Lima Beans harvested; 28% this year, 16% last year, 14% five year average. Other hay 1st cutting; 94% this year, N/A last year, N/A five year average. Other hay 2nd cutting; 59% this year, 69% last year, 79% five year average. Peaches Harvested; 18% this year, 31% last year, 28% five year average. Potatoes Harvested; 11% this year, 18% last year, 20% five year average. Snap Beans planted; 95% this year, 99% last year, 97% five year average. Snap Beans Harvested; 47% this year, 33% last year, 35% five year average. Soybean emerged; 97% this year, 92% last year, 96% five year average. Soybean blooming; 56% this year, 27% last year, 35% five year average. Soybean setting pods; 32% this year, 8% last year, 12% five year average. Strawberries Harvested; 95% this year, N/A last year, N/A five year average. Sweet Corn Harvested; 28% this year, 32% last year, 34% five year average. Tomatoes Harvested; 27% this year, 24% last year, 25% five year average. Watermelon Harvested; 18% this year, 24% last year, 18% five year average. Winter Wheat Harvested; 99% this year, 95% last year, 98% five year average. Hay and Roughage Supplies; 1% very short, 15% short, 83% adequate and 1% surplus. Field activities for the week include cutting hay, planting, and applying fertilizer.

MICHIGAN: Days suitable for fieldwork 5.6. Topsoil moisture 2% very short, 10% short, 77% adequate, 11% surplus. Subsoil moisture 2% very short, 8% short, 78% adequate, 12% surplus. Dry edible beans blooming 29%, 29% last year, 30% 5-year average. Dry edible beans condition 2% very poor, 3% poor, 18% fair, 60% good, 17% excellent. Winter wheat mature 85%. Winter wheat harvested 19%. Oats headed 97%, 96% last year, 98% 5-year average. Oats coloring 48%, 38% last year, 62% 5-year average. Oats condition 1% poor, 27% fair, 57% good, 15% excellent. Barley headed 88%. Barley condition 2% very poor, 1% poor, 22% fair, 64% good, 11% excellent. Alfalfa hay first cutting 96%, Alfalfa hay second cutting 38%. Other hay first cutting 94%, other hay second cutting 30%. Precipitation for the week ending July 20 ranged between 0.01 inch and 0.27 inch in the Upper Peninsula and between 0.00 inch and 1.80 inches in the Lower Peninsula, with the heaviest precipitation reported in the northeast Lower Peninsula. Temperatures ranged from 39 degrees to 87 degrees, with a state average of 62.8 degrees Fahrenheit, 7.3 degrees below normal. Although fields in most parts of the Upper and Lower Peninsula are in need of rain, dry conditions allowed for field activities such as spraying and cutting hay. The Thumb received a decent amount of rain for crop development, even though there were reports of water damage to soybeans and dry beans. Winter wheat harvest is progressing, corn is tasseling and silking, and soybeans are blooming and beginning to set pods. Overall, crop development and progress have been great despite delayed planting. Apple fruit ranged from 1.6 inches in diameter in the northwest and from 1.75 to 2.0 inches in the southwest and

southeast. Insect infestations in apples have generally been low this season. Predicted harvest dates are about one week behind normal and last year. Ripening of peaches was slowed by frequent rains and low temperatures. PF-1, Early Star, and PF-5D varieties were harvested. Brown rot caused lowered quality of some fruit. Pears ranged from 0.9 inch in the northwest to 1.5 inches in the south. Sweet cherries ranged from 19 to 23 mm in the northwest. Stem-on brining cherry harvesting began. Tart cherry harvest was completed in the southwest. The crop volume was lower than had been forecast. Harvesting began in the west central area; growers applied ethephon in the northwest in anticipation of harvest. Japanese plums were 1 to 1.25 inches in diameter and European plums were at 0.875 to 1 inches. Juice grapes were sizing rapidly in the south. Wine grapes in the northwest were at buckshot berry. Strawberry harvest wound down in the northwest while renovation continued in the south. Harvest of black and early red raspberries continued. The first trap of Spotted Wing Drosophila (SWD) was reported at several locations. The harvest of early season blueberries continued while Bluecrop and other mid-season variety harvesting began. Fruit size has generally been large. Harvest has been hampered by wet conditions. SWD presence increased. Sweet corn, peas, cucumbers and summer squash are being harvested daily in the Bay area. Tomatoes are in various stages of growth and harvest in the central region. Fungicide application to pickling cucumbers continued in the central region as downy mildew has been confirmed in Gratiot County. Pepper and tomato harvest continues in the southwest region as rainfall and high winds have increased bacterial disease pressure. Disease remains the largest concern for vegetable producers due to above average precipitation in the previous weeks and cooler than normal temperatures last week.

MINNESOTA: Days suitable for fieldwork 6.2. Topsoil moisture rated 1 percent very short, 11 percent short, 82 percent adequate, and 7 percent surplus. Subsoil moisture rated 0 percent very short, 4 percent short, 87 percent adequate, and 9 percent surplus. Little to no rain fell in Minnesota during the week ending July 20, 2014. Despite the dry conditions, overall crop development remained behind normal. Other field activities included herbicide application and topdressing.

MISSISSIPPI: Days suitable for field work 3.3. Topsoil moisture 1% very short, 9% short, 64% adequate, 26% surplus. Subsoil moisture 2% very short, 11% short, 68% adequate, 19% surplus. Corn 96% silking this week, 94% last week, 95% 2013, 99% Avg. Corn 72% dough this week, 58% last week, 68% 2013, 88% Avg. Corn 36% dented this week, 22% last week, 21% 2013, 59% Avg. Corn 3% mature this week, 0% last week, 0% 2013, 5% Avg. Corn condition was 0% very poor, 6% poor, 22% fair, 44% good, 28% excellent. Hay, second cutting, 54% cut this week, 47% last week, 65% 2013, 66% Avg. Hay condition was 0% very poor, 5% poor, 28% fair, 54% good, 13% excellent. Peanuts 100% emerged this week, 95% last week, 100% 2013, 100% Avg. Peanuts 57% pegging this week, 40% last week, 84% 2013, 92% Avg. Peanuts condition was 0% very poor, 2% poor, 35% fair, 52% good, 11% excellent. Sorghum 100% emerged this week, 99% last week, 100% 2013, 100% Avg. Sorghum 61% headed this week, 46% last week, 62% 2013, 82% Avg. Sorghum 12% coloring this week, 8% last week, 3% 2013, 21% Avg. Sorghum condition was 0% very poor, 3% poor, 23% fair, 54% good, 20% excellent. Sweet potatoes 100% planted this week, 95% last week, 100% 2013, 100% Avg. Sweet potatoes condition was 0% very poor, 2% poor, 38% fair, 44% good, 16% excellent. Watermelon 54% harvested this week, 31% last week, 88% 2013, 86% Avg. Livestock condition was 0% very poor, 3% poor, 22% fair, 57% good, 18% excellent. Pasture and range condition was 1% very poor, 6% poor, 21% fair, 58% good, 14% excellent. Blueberries condition was 0% very poor, 1% poor, 29% fair, 63% good, 7% excellent. Precipitation was spread out across the state, with the northern and central parts of the state receiving an average of slightly more than 3 inches.

MISSOURI: Days suitable for fieldwork 6.1. Topsoil moisture 1% very short, 22% short, 74% adequate, 3% surplus. Subsoil moisture 4% very short, 27% short, 67% adequate, 2% surplus. Hay and roughage supplies 8% short, 83% adequate, 9% surplus. Stock water supplies 6% short, 91% adequate, 3% surplus. Temperatures averaged 68.0 degrees statewide, 10.5 degrees below normal. Rain averaged 0.41 inches statewide.

MONTANA: Days suitable for field work 6.9, 6.5 last year. Topsoil moisture 7% very short, 9% last year; 37% short, 37% last year; 50% adequate, 54% last year; 6% surplus, 0% last year. Subsoil moisture 6% very short, 8% last year; 30% short, 33% last year; 59% adequate, 56% last year; 5% surplus, 3% last year. Canola 89% blooming, 100% last year. Canola 36% turning, 31% last year. Corn condition 2% poor, 2% last year; 23% fair, 43% last year; 61% good, 41% last year; 14% excellent, 14% last year. Dry peas 94% blooming, 100% last year. Dry peas condition 3% poor, 4% last year; 30% fair, 29% last year; 55% good, 49% last year; 12% excellent, 15% last year. Flaxseed 79% blooming, 99% last year. Flaxseed 4% turning, 34% last year. Alfalfa hay – 1st cutting 92% harvested, 93% last year. Other hay – 1st cutting 86% harvested, 84% last year. Lentils 89% blooming, 97% last year. Oats 92% boot stage, 100% last year. Oats 75% headed, 87% last year. Oats 8% turning, 13% last year. Oats condition 2% poor, 5% last year; 38% fair, 37% last year; 54% good, 50% last year; 6% excellent, 7% last year. Durum wheat 95% boot stage, 95% last year. Durum wheat 67% headed, 59%

last year. Durum wheat condition 4% very poor, 5% last year; 6% poor, 6% last year; 26% fair, 21% last year; 63% good, 52% last year; 1% excellent, 16% last year. The week ending July 20 was mostly hot with scatter thunderstorms across the state of Montana. Many stations had measurable precipitation and Brady received the highest amount of precipitation at 0.56 of an inch of moisture. The high temperatures for Montana ranged from the lower 80s to upper 90s. Low temperatures ranged from the upper 30s to upper 50s.

NEBRASKA: Days suitable for fieldwork 6.4. Topsoil moisture supplies rated 4% very short, 28% short, 66% adequate, and 2% surplus. Subsoil moisture supplies rated 8% very short, 26% short, 65% adequate, and 1% surplus. Hay alfalfa condition rated 2% very poor, 6% poor, 30% fair, 53% good and 9% excellent. Hay alfalfa 2nd cutting 71%, 69% 2013, 74% avg. Hay alfalfa 3rd cutting 16%, 1% 2013, 9% avg. Dry bean conditions rated 3% very poor, 1% poor, 16% fair, 63% good, 17% excellent. Dry Beans blooming 22%, 24% 2013, 25% avg. Proso millet planted 90%, 100% 2013, 100% avg. Stock water supplies rated 1% very short, 7% short, 91% adequate, and 1% surplus. Oats coloring 91%. Oats mature 70%. Winter wheat mature 84%, 80% 2013, 87% avg. Corn dough 8%, 0% 2013, 6% avg. The State saw unseasonably cool temperatures and only isolated rainfall. With the dry conditions, wheat harvest was over one half complete. Also, producers in many areas started irrigating their row crops last week.

NEVADA: Days suitable for fieldwork 7. Topsoil Moisture 20% Very Short, 30% Short, 50% Adequate. Subsoil moisture 20% Very Short, 40% Short, 30% Adequate. Subsoil moisture, topsoil moisture and stock water supply remained constant. Temperatures were above average for most of the State. Temperatures in every station, with the exception of Las Vegas, experienced above normal temperatures for this time of year. Las Vegas had a high of 104 degrees and Ely had a low of 54 degrees. Las Vegas was the only station that reported a high exceeding 100 degrees during the week. Winnemucca, Tonopah, and Las Vegas stations experienced at least trace amounts of rainfall during the week. A thunderstorm system rumbled through the Reno-Tahoe portion of the State, causing several weather-related power outages Saturday and Sunday. The storm system progressed north-northeast during the week and was centered over the central and eastern parts of the State by Thursday, with dust storm warning in effect in the central western part of the State.

NEW ENGLAND: Days suitable for fieldwork, 5.5. Topsoil moisture; 1% very short, 10% short, 56% adequate and 33% surplus. Subsoil moisture; 1% very short, 6% short, 63% adequate, 30% surplus. Blueberries, wild progress (ME); 94% fruit set. Blueberries, wild condition (ME); 0% very poor, 0% poor, 0% fair, 87% good, 13% excellent. Blueberries, tame condition; 0% very poor, 0% poor, 23% fair, 67% good, 10% excellent. Blueberries, tame progress; 7% harvested. Cranberries condition (MA); 0% very poor, 10% poor, 40% fair, 40% good, 10% excellent. Cranberries all progress (MA); 97% petal fall, 86% fruit set. Strawberries condition; 0% very poor, 2% poor, 15% fair, 70% good, 13% excellent. Strawberries progress; 89% harvested. Barley all condition (ME); 0% very poor, 0% poor, 0% fair, 38% good, 62% excellent. Corn all condition; 1% very poor, 2% poor, 31% fair, 53% good, 13% excellent. Oats all condition (ME); 0% very poor, 0% poor, 0% fair, 38% good, 62% excellent. Hay all condition; 0% very poor, 1% poor, 12% fair, 74% good, 13% excellent. Hay all progress; 93% first cutting, 45% second cutting. Potatoes all condition; 0% very poor, 0% poor, 1% fair, 73% good, 26% excellent. Potatoes all progress; 60% blooming. Apples all condition; 2% very poor, 2% poor, 15% fair, 64% good, 17% excellent. Apples all progress; 96% fruit set. Peaches all condition; 3% very poor, 3% poor, 33% fair, 61% good, 0% excellent. Pears all condition; 4% very poor, 1% poor, 20% fair, 66% good, 9% excellent. Pears all progress; 88% fruit set. Pasture and range; 0% very poor, 3% poor, 35% fair, 47% good, 15% excellent. Sweet corn all progress; 12% harvested. Sweet corn all condition; 0% very poor, 1% poor, 28% fair, 53% good, 18% excellent. CT Valley binder tobacco all condition; 0% very poor, 0% poor, 11% fair, 82% good, 7% excellent. CT Valley shade tobacco all condition; 0% very poor, 0% poor, 2% fair, 90% good, 8% excellent. CT Valley shade tobacco progress; 5% harvested.

NEW JERSEY: Days suitable for fieldwork, 6.0. Topsoil moisture; 4% very short, 21% short, 66% adequate and 9% surplus. Subsoil moisture; 2% very short, 13% short, 72% adequate and 13% surplus. Hay Alfalfa all progress; 52% second cutting. Other Hay all progress; 97% first cutting, 38% second cutting. Apples all condition; 0% very poor, 1% poor, 46% fair, 49% good, 4% excellent. Corn all conditions; 1% very poor, 7% poor, 28% fair, 36% good, 28% excellent. Hay Alfalfa conditions; 2% very poor, 13% poor, 40% fair, 37% good, 8% excellent. Other Hay conditions; 1% very poor, 8% poor, 40% fair, 37% good, 14% excellent. Pasture and range conditions are; 4% very poor, 7% poor, 38% fair, 36% good, and 15% excellent. Peaches all condition; 0% very poor, 0% poor, 22% fair, 77% good, 1% excellent. Soybeans all conditions; 0% very poor, 2% poor, 28% fair, 58% good, 12% excellent. There was five inches of rain in some areas, cooler temps, few male flowers in cucurbits. Summer vegetable harvests are in full swing. Fall vegetable planning at about 20% complete.

NEW MEXICO: Days suitable for fieldwork 5.2. Topsoil moisture 39% very short, 25% short and 36% adequate. Subsoil moisture 41% very short, 25% short and 34% adequate. Alfalfa second cutting 95% complete, 91% 2013, 98% avg; third cutting 80% complete, 60% 2013, 70% avg; fourth cutting 15% complete, 0% 2013, 8% avg; 1% very poor, 5% poor, 38% fair, 47% good and 9% excellent. Corn silking 45%, 30% 2013, 47% avg; dough 5%, 0% 2013, 2% avg; 3% very poor, 4% poor, 28% fair, 28% good and 37% excellent. Sorghum headed 1%, 4% 2013, 4% avg; 33% fair, 65% good and 2% excellent. Winter wheat harvested 96% complete, 73% 2013, 94% avg. Cotton 90% squaring, 69% 2013, 75% avg; setting bolls 51%, 42% 2013, 33% avg; 5% poor, 51% fair, 23% good and 21% excellent. Peanuts pegging 30%, 21% 2013, 45% avg; 3% very poor, 21% poor, 68% fair and 8% good. Onions 85% harvested, 83% 2013, 83% avg. Pecans 30% fair, 58% good and 12% excellent. Cattle 3% very poor, 12% poor, 56% fair, 26% good and 3% excellent. Sheep 19% very poor, 25% poor, 45% fair and 11% good. Range and pasture 25% very poor, 39% poor, 27% fair and 9% good. A series of fronts created afternoon storms that produced heavy rain over most of north and central New Mexico. The Albuquerque airport on July 16th reported record rainfall of 0.94 inches, breaking the old record of 0.71 inches, set in 1933. Several locations near burn scars and urban/rural arroyos experienced periods of flash flooding from heavy downpours. Temperatures warmed near to above seasonal as high pressure built over the state.

NEW YORK: Days suitable for fieldwork, 5. Topsoil moisture, 0% very short, 2% short, 72% adequate, and 26% surplus. Subsoil moisture, 0% very short, 2% short, 77% adequate, 21% surplus. Barley headed, 91% this week and 87% last week. Cabbage planted, 94% this week and 94% previous week. Cabbage harvested, 5% this week. Corn silking, 11% this week and 4% last week. Corn Average Height is 45 inches this week and 28 inches last week. Hay alfalfa second cutting, 56% this week, 38% last week, 51% the previous year, and 60% average. Hay other than alfalfa first cutting, 97% this week and 92% the previous week. Hay other than alfalfa second cutting, 38% this week, 22% last week. Oats headed, 89% this week, 74% last week. Onions planted, 84% this week, 77% previous week. Onions harvested, 2% this week. Snap beans planted, 86% this week, 81% previous week, 86% last year. Soybeans emerged, 95% this week and 91% previous week. Soybeans blooming, 25% this week. Soybeans setting pods, 4% this week. Sweet corn planted, 96% this week, 94% previous week, 100% last year. Winter wheat harvested, 25% this week, 10% last week, 33% last year and 57% average. Barley condition, 0% very poor, 2% poor, 10% fair, 69% good, 19% excellent. Corn condition, 1% very poor, 3% poor, 22% fair, 53% good, 21% excellent. Hay alfalfa condition, 2% very poor, 5% poor, 27% fair, 53% good, 13% excellent. Hay other than alfalfa condition, 3% very poor, 9% poor, 31% fair, 45% good, 12% excellent. Oats condition, 0% very poor, 1% poor, 17% fair, 65% good, 17% excellent. Pasture and range condition, 4% very poor, 6% poor, 28% fair, 48% good, 14% excellent. Soybeans condition, 1% very poor, 3% poor, 18% fair, 63% good, 15% excellent. Winter wheat condition, 0% very poor, 6% poor, 22% fair, 52% good, 20% excellent. Field activities for the week include hauling and spreading manure, applying fertilizer, plowing and planting of fields, mowing and bailing hay, mowing pastures, spraying of trees, and fixing machinery.

NORTH CAROLINA: Days suitable for field work 5.6. Topsoil moisture 7% very short, 22% short, 64% adequate and 7% surplus. Subsoil moisture 6% very short, 24% short, 64% adequate and 6% surplus. The state received wide spread showers with several areas recording over 1.5 inches for the week. Also, temperatures were 5 to 6 degrees below normal. This week's report shows soybeans emerged nearing completion at 98%, blooming at 46% and setting pods at 23%. Cotton squaring was rated at 92% and setting bolls at 68%. Peanuts pegging reported at 90%. Reports for corn were silking at 94%, dough at 64%, and dented at 31%. The second cutting of hay reported at 65%, peaches harvested at 59% and flue-cured tobacco harvested at 15%.

NORTH DAKOTA: Days suitable for fieldwork 6.7. Topsoil moisture 1% very short, 13% short, 72% adequate, 14% surplus. Subsoil moisture 0% very short, 6% short, 79% adequate, 15% surplus. Winter wheat turning color 53%. Winter wheat conditions 2% very poor, 10% poor, 32% fair, 50% good, 6% excellent. Durum wheat jointed 77%, 94% 2013, 93% average. Durum wheat headed 35%, 74% 2013, 68% average. Durum wheat turning color 5%, 3% 2013, 10% average. Durum wheat condition 0% very poor, 1% poor, 17% fair, 77% good, 5% excellent. Spring wheat jointed 95%, 94% 2013, 98% average. Spring wheat turning color 9%, 10% 2013, 22% average. Barley jointed 97%, 97% 2013, 99% average. Barley turning color 16%, 8% 2013, 26% average. Oats jointed 94%, 96% 2013, 99% average. Oats turning color 12%, 10% 2013, 22% average. Canola blooming 96%, 89% 2013, 90% average. Canola turning color 10%, 6% 2013, 15% average. Canola condition 0% very poor, 1% poor, 15% fair, 63% good, 21% excellent. Flaxseed blooming 74%, 65% 2013, 69% average. Flaxseed condition 0% very poor, 2% poor, 21% fair, 67% good, 10% excellent. Dry edible peas bloomed 86%, 88% 2013, 94% average. Dry edible peas condition 0% very poor, 4% poor, 20% fair, 67% good, 9% excellent. Dry beans blooming 48%, 34% 2013, 52% average. Dry beans setting pods 12%, 2% 2013, 14% average. Dry

beans condition 2% very poor, 4% poor, 23% fair, 58% good, 13% excellent. Potatoes blooming 83%, 53% 2013, 74% average. Potatoes rows filled 19%, 9% 2013, 35% average. Potatoes condition 5% very poor, 9% poor, 26% fair, 50% good, 10% excellent. Sugarbeet condition 1% very poor, 6% poor, 29% fair, 54% good, 10% excellent. Sunflowers emerged 97%. Sunflowers blooming 1%, 2% 2013, 5% average. Sunflower condition 0% very poor, 1% poor, 19% fair, 73% good, 7% excellent. Alfalfa 1st cutting 80%, 93% 2013, 92% average. Alfalfa condition 1% very poor, 2% poor, 9% fair, 70% good, 18% excellent. Stock water supplies 0% very short, 1% short, 81% adequate, and 18% surplus. Despite hot conditions over the weekend, average temperatures were cooler than normal across the entire state last week. No significant moisture was received again last week. However, most crops are still in good shape as a result of good subsoil moisture from abundant precipitation received this spring.

OHIO: Days suitable for fieldwork 5.8. Topsoil moisture 1% very short 17% short, 67% adequate, 15% surplus. Subsoil moisture 1% very short 10% short, 74% adequate, 15% surplus. Oats coloring 74%, NA 2013, NA Avg. Alfalfa hay second cutting 66%, NA 2013, NA avg. Alfalfa hay third cutting 4%, NA 2013, NA Avg. Other hay second cutting 49%, NA 2013, NA avg. Average temperatures recorded around the State ranged from 65 to 71 degrees or ten degrees below to one degree below normal. The lowest recorded temperature was 46 degrees and the highest was 95 degrees. The statewide average temperature for the week was 67.1 degrees, 7.0 degrees cooler than normal. Recorded precipitation ranged from 0.12 to 1.59 inches, with a statewide average of 0.99 inches. The weather has been excellent this week for field work as the dry conditions allowed for a significant amount of wheat harvesting and straw baling to be completed throughout the state. Most areas have benefited from the dry weather, though a few regions noted stressed crops as the ground is drying out. Winter wheat and oat harvest progress continue to outpace 2013; however both are behind the five year average. Soybean bloom is behind compared to last year and the five year average; however more soybeans are setting pods compared to this time in 2013. Producers have been in fields this week spreading lime and spraying soybeans to keep weeds at bay. Corn silking is slightly behind 2013 and the five year average. Most dry hay producers have completed their second cutting, while some have begun their third cutting.

OKLAHOMA: Days suitable for fieldwork 4.3. Topsoil moisture 11% very short, 30% short, 57% adequate, 2% surplus. Subsoil moisture 24% very short, 39% short, 37% adequate, 0% surplus. Rye harvested 98% this week, 90% last week, 100% last year, 100% average. Sorghum emerged 98% this week, 91% last week, 97% last year, 94% average. Soybeans planted 96% this week, 89% last week, 99% last year, 100% average; emerged 95% this week, 82% last week, 95% last year, 98% average. Corn dough 29% this week, 17% last week, 16% last year, 42% average. Alfalfa condition 8% very poor, 12% poor, 36% fair, 38% good, 6% excellent; second cutting 84% this week, 80% last week, 92% last year, 95% average; third cutting 27% this week, 12% last week, 22% last year, 47% average. Other Hay 9% very poor, 14% poor, 40% fair, 33% good, 4% excellent; first cutting 81% this week, 77% last week, 90% last year, 88% average; second cutting 27% this week, 21% last week, 17% last year, 16% average. Watermelons harvested 21% this week, 13% last week, 15% last year, 34% average. Livestock condition 1% very poor, 4% poor, 28% fair, 58% good, 9% excellent. Pasture and range condition 7% very poor, 13% poor, 34% fair, 41% good, 5% excellent. Heavy rain totals received over the past week have benefitted most row crops, but progress continued to lag behind the five-year average for the various stages of development. A westward moving storm produced good rains beneficial to Central and Southeastern Oklahoma with a statewide total averaging 1.41 inches. To date, Oklahoma has received 84 percent of its normal precipitation since March 1st. Areas of the Panhandle saw spotty rains over the past week accompanied by cooler than normal temperatures. According to the Oklahoma Mesonet Summary, the low on Friday, July 18th in Goodwell was recorded at 56 degrees. The cooler temperatures brought a bit of relief to row crop progress. Cotton in Southwest Oklahoma was reported somewhat behind due to the unseasonably cool temperatures this past week, but growth and development are progressing nicely with the recent moisture. Temperatures ranged from 51 degrees at Jay on Wednesday, July 16th to 101 degrees at Hooker on Sunday, July 20th. Topsoil and subsoil moisture conditions continued to be rated mostly adequate to short. There were only 4.3 days suitable for fieldwork.

OREGON: Days suitable for field work 6.5 days. Topsoil Moisture 15% Very Short, 43% Short, 39% Adequate, 3% Surplus. Subsoil Moisture 14% Very Short, 44% Short, 41% Adequate, 1% Surplus. Range and Pasture 7% Very Poor, 25% Poor, 36% Fair, 31% Good, 1% Excellent. Winter Wheat Condition 7% Very Poor, 13% Poor, 39% Fair, 36% Good, 5% Excellent. Spring Wheat Condition 4% Very Poor, 6% Poor, 40% Fair, 48% Good, 2% Excellent. Barley Condition 4% Very Poor, 3% Poor, 52% Fair, 38% Good, 3% Excellent. Winter Wheat Harvested 22%, 16% 2013, 14% avg. Spring Wheat Harvested 12%, - 2013, - avg. Hay 2nd cutting 57%, 39% 2013, 38% avg. Barley Harvested 11%, - 2013, - avg. Hot Temperatures in Eastern Oregon. Days suitable for fieldwork were 6.5. Pasture and range conditions were reported to

be 7% very poor, 25% poor, 36% fair, 31% good, and 1% excellent. In western Oregon, the second cutting of alfalfa continued and crimson clover harvest was completed. Red clover for seed has reached full bloom. Green chop, ensilage and hay continued to be made. Peppermint harvest was expected to begin soon, while cherry harvest was nearly complete. Blueberries were abundant and ever bearing strawberries have been producing well. All vegetables have been growing well and some were harvested. Greenhouses and nurseries were planting cover crops. Livestock showed good growth and health. In some areas, only the best lowland sub-irrigated pastures were still producing forage. In eastern Oregon wheat harvest started and was progressing rapidly, except when shut down for fire fighting. In some areas several fires occurred at the same time with two still blazing down south. The fires have burned a lot of acres of standing stubble, crop and fallowed ground. Potatoes were blooming. The hand thinning of apples and other routine orchard operations continued.

PENNSYLVANIA: Days suitable for fieldwork, 5.5. Subsoil moisture, 0% very short, 14% short, 73% adequate, 13% surplus. Topsoil moisture, 0% very short, 18% short, 71% adequate, and 11% surplus. Barley harvested, 95% this week, 97% last year, 97% average. Corn silking, 37% this week, 50% last year, 52% average. Corn milk, 7% this week, n/a last year, n/a average. Oats headed, 96% this week, 98% last year, 98% average. Oats coloring, 79% this week, 89% last year, 75% average. Oats mature, 10% this week, 30% last year, 32% average. Potatoes planted, 96% this week, 100% last year, 100% average. Soybean blooming, 54% this week, n/a last year, n/a average. Soybeans setting pods, 6% this week, n/a last year, n/a average. Winter wheat mature, 96% this week, 98% last year, 98% average. Winter wheat harvested, 72% last week, 82% last year, 89% average. Hay alfalfa first cutting, 96% this week, 100% last year, 100% average. Hay alfalfa second cutting, 69% this week, 80% last year, 87% average. Hay alfalfa third cutting, 12% this week, 22% last year, 22% average. Hay other than alfalfa first cutting, 90% this week, 96% last year, 98% average. Hay other than alfalfa second cutting, 37% this week, 26% last year, 43% average. Apples condition, 1% very poor, 19% poor, 40% fair, 23% good, 17% excellent. Cherries condition, 100% very poor, 0% poor, 0% fair, 0% good, 0% excellent. Corn condition, 1% very poor, 3% poor, 15% fair, 47% good, 34% excellent. Hay Alfalfa condition, 0% very poor, 7% poor, 24% fair, 59% good, 10% excellent. Hay Other condition, 0% very poor, 13% poor, 30% fair, 53% good, 4% excellent. Oats condition, 1% very poor, 2% poor, 25% fair, 58% good, 14% excellent. Soybeans condition, 0% very poor, 1% poor, 16% fair, 65% good, 18% excellent. Quality of Hay Made, 1% very poor, 6% poor, 31% fair, 38% good, 24% excellent. Pasture condition, 4% very poor, 6% poor, 26% fair, 50% good, 14% excellent. Peaches condition, 0% very poor, 0% poor, 2% fair, 30% good, 68% excellent. Field activities for the week included spraying, haymaking, and harvesting.

SOUTH CAROLINA: Days suitable for fieldwork 6.4. Topsoil Moisture 15% very short, 39% short, 45% adequate, 1% surplus. Subsoil Moisture 16% very short, 36% short, 46% adequate, 2% surplus. Pasture and Range condition 5% very poor, 33% poor, 29% fair, 31% good, 2% excellent. Peaches condition 2% very poor, 4% poor, 44% fair, 50% good, 0% excellent. Livestock condition 0% very poor, 6% poor, 33% fair, 58% good, 3% excellent. Tobacco condition 0% very poor, 3% poor, 27% fair, 63% good, 7% excellent. Corn condition 1% very poor, 7% poor, 28% fair, 57% good, 7% excellent. Corn Silked 100%, 99% 2013. Corn Doughed 92%, 75% 2013. Winter Wheat harvested 99%, 92% 2013. Peaches Harvested 71%, 56% 2013. Cantaloupes Harvested 86%, 64% 2013. Cucumbers Harvested 90%, 75% 2013. Snap beans harvested 75%, 86% 2013. Watermelons harvested 83%, 68% 2013. Tomatoes harvested 75%, 94% 2013. Peanuts pegged 90%, 72% 2013. Soybeans planted 97%, 96% 2013. Soybeans emerged 95%, 88% 2013. Soybeans Blooming 42%, 14% 2013. Tobacco Topped 97%, 82% 2013. The state average temperature for the seven-day period was near the long-term average. The state average rainfall for the seven-day period was 1.2 inches.

SOUTH DAKOTA: Days suitable for fieldwork 6.2. Topsoil moisture 2% very short, 16% short, 80% adequate, 2% surplus. Subsoil moisture 1% very short, 15% short, 80% adequate, 4% surplus. Winter wheat conditions 0% very poor, 4% poor, 22% fair, 65% good, 9% excellent. Winter wheat 96% coloring, 91% 2013 and 97% average. Winter wheat 55% mature 30% 2013, 62% average. Spring wheat 41% coloring, 62% 2013, 68% average. Spring wheat mature 5%, 3% 2013, 24% average. Barley 9% coloring, 53% 2013, 59% average. Oats 60% coloring, 58% 2013, 70% average. Oats mature 15% mature, 4% 2013, 29% average. Sorghum emerged 96%, 100% 2013, 100% average. Soybeans setting pods 15%, 4% 2013, 11% average. Sunflower emerged 89%. Sunflower blooming 6%, 4% 2013, 7% average. Alfalfa conditions 0% very poor, 3% poor, 18% fair, 56% good, 23% excellent. Alfalfa first cut 91%, 96% 2013, 97% average. Alfalfa second cutting 38%, 42% 2013, 50% average. Stock waters supplies 1% very short, 10% short, 82% adequate, 7% surplus. Very little rainfall and below normal temperatures dominated the weather pattern across most areas of South Dakota.

TENNESSEE: Days suitable 5.0. Topsoil moisture 3% very short, 20% short, 69% adequate, 8% surplus. Subsoil moisture 3% very short, 20% short, 69% adequate, 8% surplus. Corn silking, 90%, cotton 82% squaring, 30% setting bolls. Soybeans, 47% blooming, 16% setting pods. Winter wheat 91% harvested. Corn condition 1% percent very poor, 3% poor,

18% fair, 54% good, 24% excellent. Cotton condition, 2% very poor, 5% poor, 23% fair, 57% good, 13% excellent. Soybean condition 1% very poor, 3% poor, 17% fair, 63% good, 16% excellent. Pasture and Range condition 1% very poor, 11% poor 30% fair, 53% good, 5% excellent. Other activities included fungicide, insecticide applications.

TEXAS: Days suitable for fieldwork 5.6. Topsoil moisture 17% very short, 42% short, 38% adequate, 3% surplus. Subsoil moisture 17% very short, 43% short, 38% adequate, 2% surplus. Corn dough 61%, 64% 2013, 62% avg.; Corn dented 48%, 57% 2013, 56% avg.; Corn mature 29%, 45% 2013, 42% avg. Cotton bolls opening 3%, 5% 2013, 6% avg. Sorghum mature 52%, 55% 2013, 50% avg.; Sorghum harvested 23%, 37% 2013, 30% avg. Range and pasture condition 7% very poor, 14% poor, 35% fair, 33% good and 11% excellent. Cool temperatures and overcast skies occurred throughout the state last week. Areas of the Blacklands and East Texas received up to six inches of rainfall. Portions of the Northern High Plains, Edwards Plateau and South Texas recorded three inches or more of rainfall for the week, while the rest of the state received up to an inch of precipitation or less. Winter wheat harvest was virtually complete for the state. Oat harvest was wrapping up across the state. Corn continued to tassel in areas of the Southern High Plains, while fields were maturing in areas of the Blacklands and South Central Texas. In areas of South Texas, peanuts were being irrigated as pegging continued. Sorghum continued to progress, and was being baled for hay in the Cross Timbers. In the Northern Low Plains, cotton continued to square from recent rainfall and warm weather, while cotton bolls were opening in the Coastal Bend. In many areas of the Upper Coast rice progressed as producers expressed concern about the potential for disease (due to recent rainfall. Sunflowers throughout the Blacklands were progressing well. Soybeans benefitted from sufficient moisture in many areas of the Upper Coast. In South Texas, pecans were progressing well, while orchards in the Trans-Pecos were in the nut enlargement stage and were being irrigated. Watermelons were being harvested in areas of the Southern High Plains and South Texas. Grasshoppers caused problems with some vegetable crops in North East Texas. Peach harvest was wrapping up in the Edwards Plateau. Pastures across the state benefitted greatly from rainfall last week. Grasshoppers continued to be seen in fields and pastures across the state. Cattle were in good condition, as field grasses were greening up from recent precipitation. In the Trans-Pecos, cattle producers continued to provide supplemental feed.

UTAH: Days suitable for field work 6.5. Topsoil moisture 19% very short, 45% short, 36% adequate. Subsoil Moisture 17% very short, 49% short, 34% adequate. Winter wheat harvested 42%, 15% 2013, 16% 5-yr avg; condition 3% very poor, 5% poor, 26% fair, 51% good, 15% excellent. Barley harvested 11%, 4% 2013, 6% 5-yr avg; condition 8% fair, 69% good, 23% excellent. Oats headed 86%, 92% 2013, 87% 5-yr avg; condition 16% fair, 73% good, 11% excellent. Spring wheat harvested 12%, 5% 2013, 3% 5-yr avg; condition 3% poor, 17% fair, 60% good, 20% excellent. Alfalfa hay second cutting 54%, 57% 2013, 46% 5-yr avg. Other hay first cutting 91%, 82% 2013, 79% 5-yr avg. Apricots harvested 43%, 64% 2013, 52% 5-yr avg. Sweet cherries harvested 85%, 91% 2013, 78% 5-yr avg. Tart cherries 28% harvested, 17% 2013, 30% 5-yr avg. Cattle and calves condition 1% poor, 21% fair, 67% good, 11% excellent. Sheep and lamb condition 16% fair, 78% good, 6% excellent. Stock water supplies 14% very short, 31% short, 55% adequate. Rains in Beaver County have helped a lot but farmers are waiting to cut second crop alfalfa. Fall wheat harvest is underway in Box Elder County with yields and quality looking reasonably good. Grain and field corn are beginning the silk stage. Sweet corn has silked and the ears are developing. Harvest of sweet corn should begin soon. Some farmers have harvested second crop hay and are close to harvesting the third crop. The quality of alfalfa has been good this summer. Safflower is now in bloom and looks pretty good overall. Livestock producers report that their cattle and sheep are doing well. Livestock water is becoming a problem in some areas due to the third year of drought. Streams and springs are drying up. Hot and dry weather describes the conditions in Cache County. Crops are responding very well to the combination of heat and water. Corn is especially growing fast and grains are turning quickly. Several growers will begin harvesting their dry land wheat later this week. The second cutting of alfalfa is also progressing nicely, with good yields and no rain damage. Livestock continue to do well even with the quality of pastures and rangelands dwindling with the hotter weather. Spotty thunderstorms in Carbon County have filled some livestock ponds but very little stayed around long enough to provide soil moisture. There was some relief from the drought by the monsoon rains in Garfield and Kane Counties. Ranges and pastures are greening back up. Some hay was damaged by the monsoon rains. Significant rains over the last week in Millard County have limited harvesting. First crop alfalfa is up in Rich County and water is being applied for second crop. Producers have had good drying weather for grass hay and it is being put up in great condition. Cattle and sheep are being moved to upper ranges. Grass is good on ranges and calves and lambs are responding to the good conditions.

VIRGINIA: Days suitable for fieldwork 5.7. Topsoil moisture 11% very short, 33% short, 55% adequate, 1% surplus. Subsoil moisture 13% very short, 33% short, 51% adequate, 3% surplus. Cotton 1% fair, 95% good, 4% excellent. Cotton

squaring 86%, 83% 2013, 84% 5-yr avg. Cotton setting bolls 24%, 22% 2013, 34% 5-yr avg. Peanuts 2% fair, 89% good, 9% excellent. Peanuts pegging 51%, 56% 2013, 63% 5-yr avg. Corn 1% very poor, 8% poor, 23% fair, 56% good, 12% excellent. Corn silking 75%, 79% 2013, 80% 5-yr avg. Corn dough 26%, 18% 2013, 28% 5-yr avg. Corn dented 6%. Soybean 4% poor, 23% fair, 66% good, 7% excellent. Soybeans planted 97%, 95% 2013, 99% 5-yr avg. Soybeans emerged 92%, 89% 2013, 96% 5-yr avg. Soybeans blooming 23%, 15% 2013, 19% 5-yr avg. Soybeans setting pods 5%, 2% 2013, 2% 5-yr avg. Winter wheat harvested 96%, 95% 2013, 99% 5-yr avg. Oats harvested 92%, 87% 2013. Summer potatoes 99% good, 1% excellent. Summer potatoes harvested 50%, 80% 2013, 72% 5-yr avg. Flue-cured tobacco 3% very poor, 12% poor, 34% fair, 31% good, 20 excellent. Fire-cured tobacco 2% very poor, 9% poor, 44% fair, 37% good, 8% excellent. Air-cured tobacco 1% very poor, 3% poor, 38% fair, 52% good, 6% excellent. Livestock 1% very poor, 4% poor, 23% fair, 56% good, 15% excellent. Pasture 6% very poor, 15% poor, 34% fair, 39% good, 6% excellent. Alfalfa hay 12% poor, 30% fair, 52% good, 6% excellent. Other hay 3% very poor, 20% poor, 32% fair, 41% good, 4% excellent. All apples 1% poor, 33% fair, 65% good, 1% excellent. All apples harvested 2%. Grapes 9% poor, 41% fair, 43% good, 7% excellent. Peaches 15% very poor, 17% poor, 29% fair, 38% good, 1% excellent. Peaches 27%, 34% 2013, 33% 5-yr avg. Parts of Virginia remained dry with only light rain this week; the accumulative rainfall was less than one half of an inch. However, the majority of Northern, Eastern, and Southeastern Virginia reported much needed rainfall. Temperatures for the week were seasonable to slightly cooler than normal for this time of year. Days suitable for fieldwork were 5.7. Soybean conditions varied by early and late plantings; the time of planting contributed to how the dry conditions have affected the crop. Farmers spent the week sampling for Corn Earworms. In some areas, farmers noticed more than normal Japanese beetle pressure in the corn. Other farming activities included making hay, harvesting sweet corn, squash, and cucumbers, and applying post-emergence herbicides.

WASHINGTON: Days suitable for fieldwork 6.9. Topsoil Moisture 22% Very Short, 46% Short, 31% Adequate and 1% Surplus. Subsoil Moisture 16% Very Short, 47% Short, 36% Adequate and 1% Surplus. Range and Pasture Conditions were 3% very poor, 19% poor, 44% fair, 28% good, and 6% excellent. Winter Wheat Condition 8% Very Poor, 22% Poor, 46% Fair, 21% Good, 3% Excellent. Winter Wheat Harvested 15%, 3% PW, 8% PY and 5% 5YA. Spring Wheat Condition 7% Very Poor, 26% Poor, 47% Fair, 19% Good, and 1% Excellent. Barley Condition 5% Very Poor, 13% Poor, 57% Fair, 25% Good, and 0% Excellent. Potatoes Condition 0% Very Poor, 2% Poor, 28% Fair, 64% Good, 6% Excellent. Potatoes Harvested 2%, 1 PW, 5% PY, and 6% 5YA. Corn Condition 0% Very Poor, and 1% Poor, 30% Fair, 54% good, 15% Excellent. Corn Silked 34%, 28% PW, 36% PY, and 22% 5YA. Dry beans Condition 0% very Poor, 16% poor, 36% fair, 45% Good, and 3% Excellent. Dry Pea Harvested 36%, 16% PW, 6% PY, 9% 5YA. Green Pea Processing Harvested 83%, 75% PW, 91% PY, and 78% 5YA. Alfalfa second cutting of Hay 65%, 59% PW, 63% PY, and 52% 5YA. Extensive and Uncontrolled Wildfires Threatened Crops in Washington State. In Chelan County extensive and uncontrolled wildfires scorched the edges of numerous fruit tree orchards. The fire had not been contained so no damage assessment had yet been made. Due to the fire some regional fruit packing houses lost electrical power and fruit was diverted to alternate facilities. Other area fires in Douglas County burned range and pasture land, as well as some winter wheat crop. Livestock fencing was also destroyed, but no current reports of livestock losses. In Yakima Valley average temperatures were warmer than usual with a high temperature of 107 degrees with no precipitation. Producers were using cooling operations to protect crops from the heat. No crop loss was reported. Hot and Dry weather also prevailed in Whitman County with a high temperature of 105 degrees with no precipitation. Strong winds aided a fire in cropland over the weekend, burning about 1,000 acres. In Lincoln County thunderstorms earlier in the week brought almost an inch of rain to some areas, but the effects were very spotty and the majority only saw lightning with no precipitation. The areas that received rain also received some small hail which may have damaged some winter wheat.

WEST VIRGINIA: Days suitable for fieldwork 5. Topsoil moisture was 2% very short, 22% short, 71% adequate, and 5% surplus compared to 6% short, 81% adequate, and 13% surplus last year. Subsoil moisture was 5% very short, 25% short, 67% adequate, and 3% surplus, comparison data not available. Corn conditions were 2% very poor, 8% poor, 22% fair, 48% good, and 20% excellent. Corn was 34% silked, 25% in 2013, and 33% 5-year avg. Soybean conditions were 2% poor, 14% fair, 83% good, and 1% excellent. Soybeans were 96% emerged, 96% in 2013, 5-year average not available. Soybeans were 27% blooming, 14% in 2013, and 22% 5-year avg. Soybeans were 7% setting pods, comparison data not available. Winter wheat conditions were 6% poor, 30% fair, 63% good, and 1% excellent. Winter wheat was 66% harvested, 44% in 2013, and 80% 5-year avg. Hay conditions were 6% very poor, 8% poor, 33% fair, 45% good, and 8% excellent. Hay first cutting was 91%, 75% in 2013, and 90% 5-year avg. Apple conditions were 1% very poor, 5% poor, 28% fair, 63% good, and 3% excellent. Peach conditions were 2% very poor, 9% poor, 20% fair, 63% good, and 6% excellent. Cattle and calves were 1% poor, 15% fair, 71% good, and 13% excellent. Sheep and lambs were 1% poor, 15%

fair, 76% good, and 8% excellent. Farming activities included making hay and harvesting winter wheat. Breaks in the weather were beneficial for haymaking in parts of the State.

WISCONSIN: Days suitable for fieldwork 5.7. Topsoil moisture 9% short, 75% adequate and 16% surplus. Subsoil moisture 5% short, 81% adequate, and 14% surplus. Winter wheat turning color 91%, n.a. 2013, n.a. avg; harvested 4% n.a. 2013, n.a. avg; condition 7% poor, 20% fair, 50% good, 23% excellent. Hay, alfalfa, second cutting 66%, 56% 2013, 74% avg. Hay, all types, condition 1% poor, 11% fair, 56% good, 32% excellent. Potatoes condition 7% fair, 67% good, 26% excellent. Fieldwork charged ahead this week as cool, dry, and breezy conditions lingered across the state. Temperatures were below average, with daytime highs topping out in the 70s and overnight temperatures falling into the 40s early in the week. The second cutting of alfalfa progressed rapidly as farmers took advantage of the weather to bale dry hay. Yield and quality of the second cutting was reportedly good, but difficult field conditions meant that some producers were just finishing the last of their first cutting while others were beginning the third. Reporters expressed concern that crop maturity was lagging behind due to this season's overall cool temperatures. Late plantings, heavily saturated soils, and prevented spraying have reportedly contributed to uneven corn and soybeans conditions from field to field. Though crops remain in good condition on average, sun and heat are still needed to promote pollination and grain development. Across the reporting stations, average temperatures last week were 4 to 7 degrees below normal. Average high temperatures ranged from 76 to 78 degrees, while average low temperatures ranged from 54 to 58 degrees. Precipitation totals ranged from 0.03 inches in Eau Claire to 0.24 inches in Madison.

WYOMING: Days suitable for fieldwork 6.3. Topsoil moisture 13% very short, 27% short, 58% adequate, 2% surplus. Subsoil moisture 4% very short, 37% short, 57% adequate, 2% surplus. Barley booted 91%, 92% 2013, 93% 5-yr avg; headed 74%, 72% 2013, 79% 5-yr avg; coloring 36%, 31% 2013, 46% 5-yr avg; condition 2% fair, 66% good, 32% excellent. Oats jointing 97%, 90% 2013, 94% 5-yr avg; booted 87%, 80% 2013, 85% 5-yr avg; headed 72%, 50% 2013, 63% 5-yr avg; coloring 33%, 3% 2013, 22% 5-yr avg; condition 1% very poor, 2% fair, 87% good, 10% excellent. Spring wheat booted 91%, 98% 2013, 92% 5-yr avg; headed 80%, 68% 2013, 60% 5-yr avg; coloring 43%, 22% 2013, 26% 5-yr avg; condition 7% fair, 90% good, 3% excellent. Sugarbeets condition 86% good, 14% excellent. Winter wheat coloring 97%, 94% 2013, 91% 5-yr avg; condition 2% poor, 42% fair, 53% good, 3% excellent. Corn avg height 49 inches, 42 inches 2013, 44 inches 5-yr avg; silking 15%, 0% 2013, 1% 5-yr avg; condition 4% fair, 89% good, 7% excellent. Dry beans blooming 53%, 39% 2013, 41% 5-yr avg; setting pods 7%, 5% 2013, 12% 5-yr avg; condition 8% fair, 85% good, 7% excellent. Alfalfa hay 1st cutting 93%, 91% 2013, 88% 5-yr avg; 2nd cutting 8%, 7% 2013, 8% 5-yr avg; condition 1% very poor, 4% poor, 6% fair, 78% good, 11% excellent. Other hay harvested 89%, 43% 2013, 49% 5-yr avg; condition 1% very poor, 2% poor, 5% fair, 85% good, 7% excellent. Livestock condition 2% poor, 17% fair, 65% good, 16% excellent. Crop insect infestation 3% severe, 7% moderate, 47% light, 43% none. Irrigation water supplies 2% poor, 7% fair, 78% good, 13% excellent. Laramie county received nearly 2 inches of moisture in Cheyenne aiding pasture growth and keeping pastures green.

Statistical Methodology

Survey Procedures: Crop progress and condition estimates included in this report are based on survey data collected each week from early April through the end of November. Additionally, survey respondents are contacted four times during the winter season – once per month in December, January, February, and March. The non-probability crop progress and condition surveys include input from approximately 4,000 respondents whose occupations provide them opportunities to make visual observations and frequently bring them in contact with farmers in their counties. Based on standard definitions, these respondents subjectively estimate the progress of crops through various stages of development, as well as the progress of producer activities. They also provide subjective evaluations of crop and soil moisture conditions. Any weather data mentioned in this report is provided by outside sources such as the National Oceanic and Atmospheric Administration (NOAA) and Agricultural Weather Information Service (AWIS).

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

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