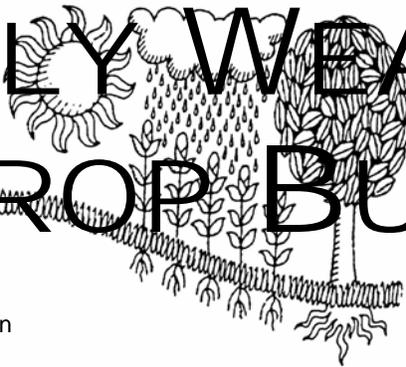
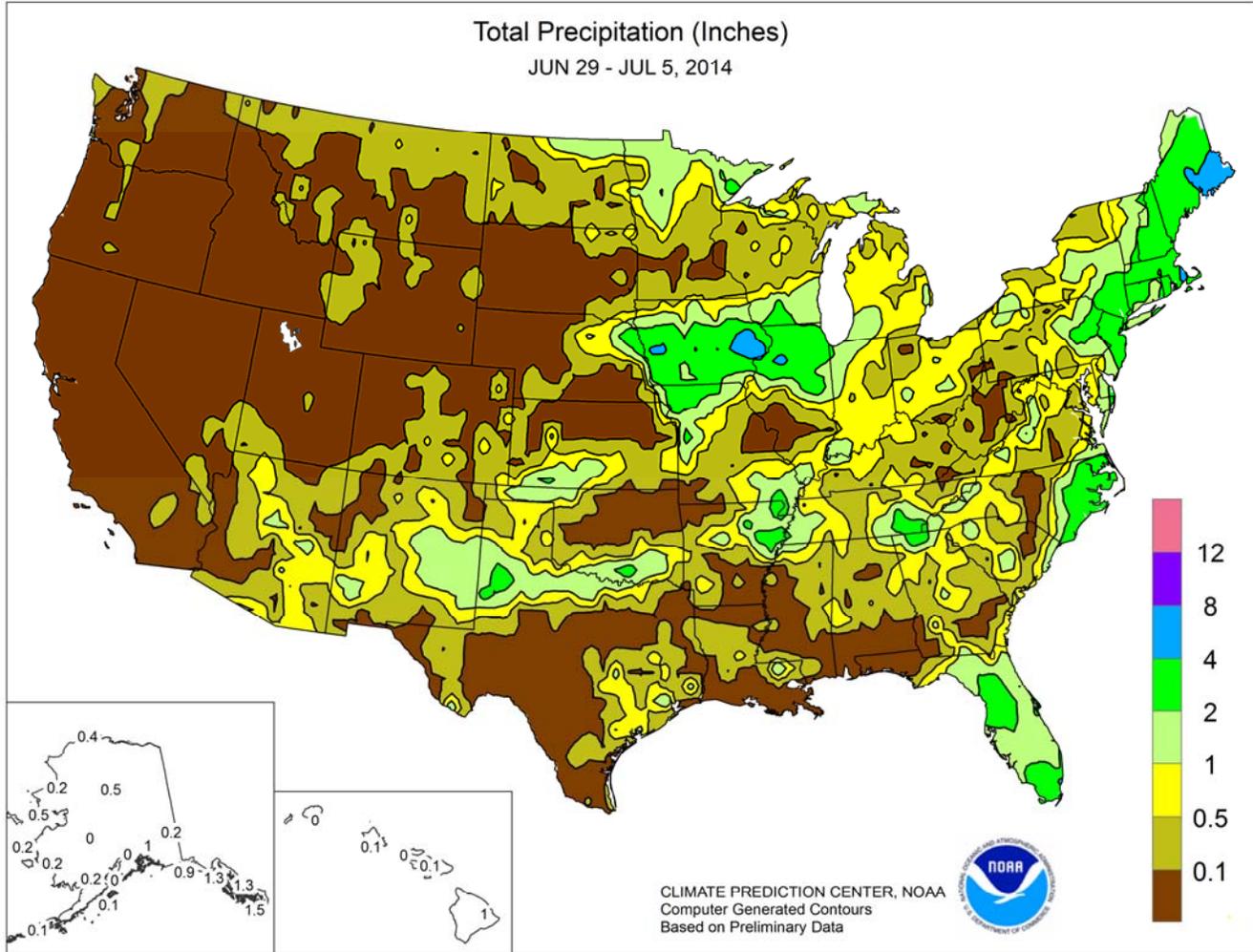


# WEEKLY WEATHER AND CROP BULLETIN



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
National Agricultural Statistics Service  
and World Agricultural Outlook Board



## HIGHLIGHTS

### June 29 – July 5, 2014

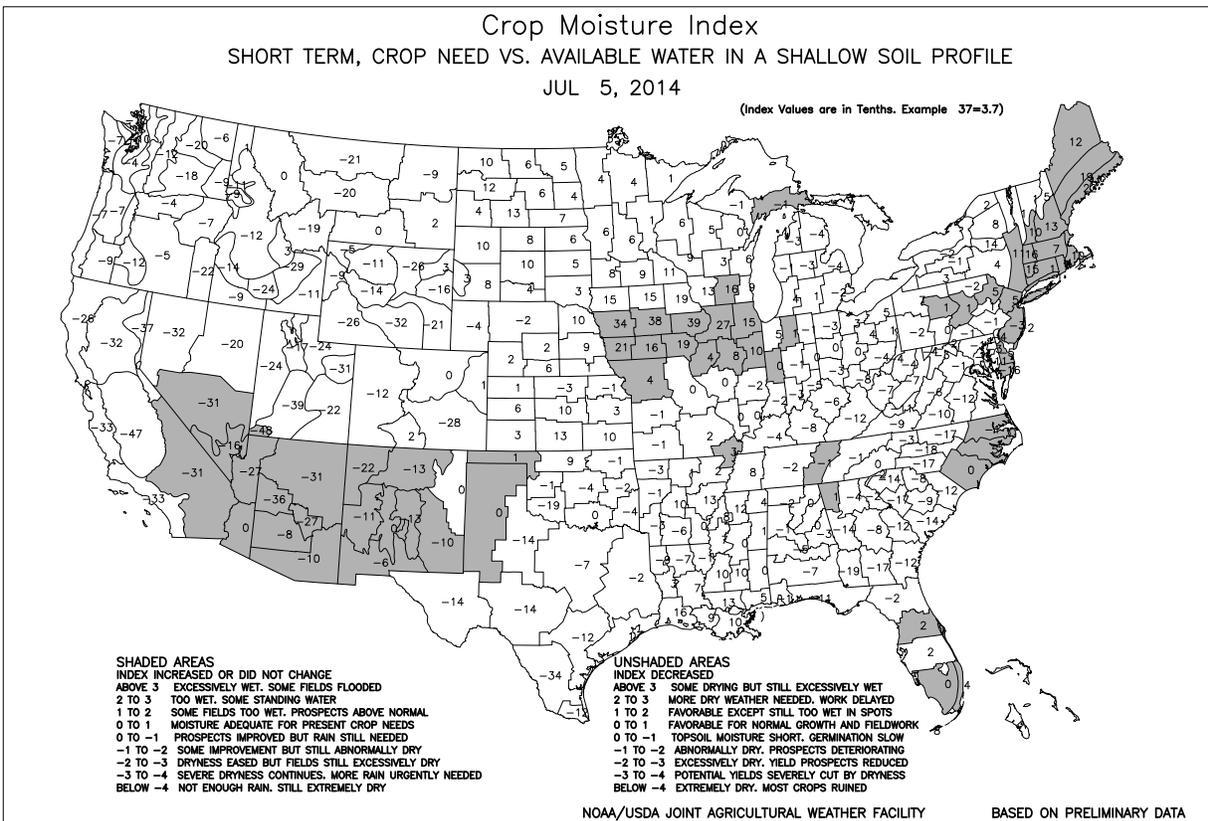
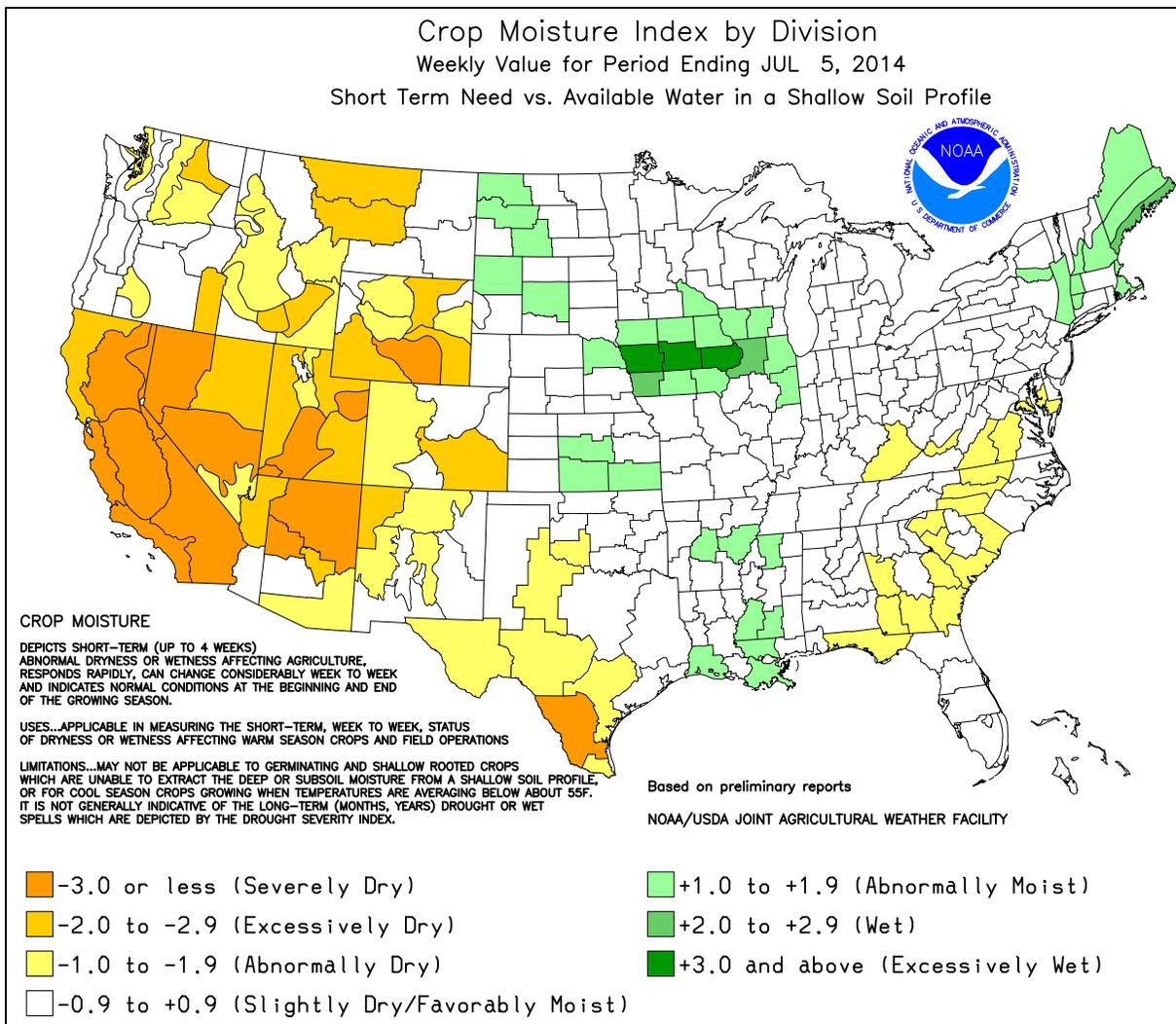
Highlights provided by USDA/WAOB

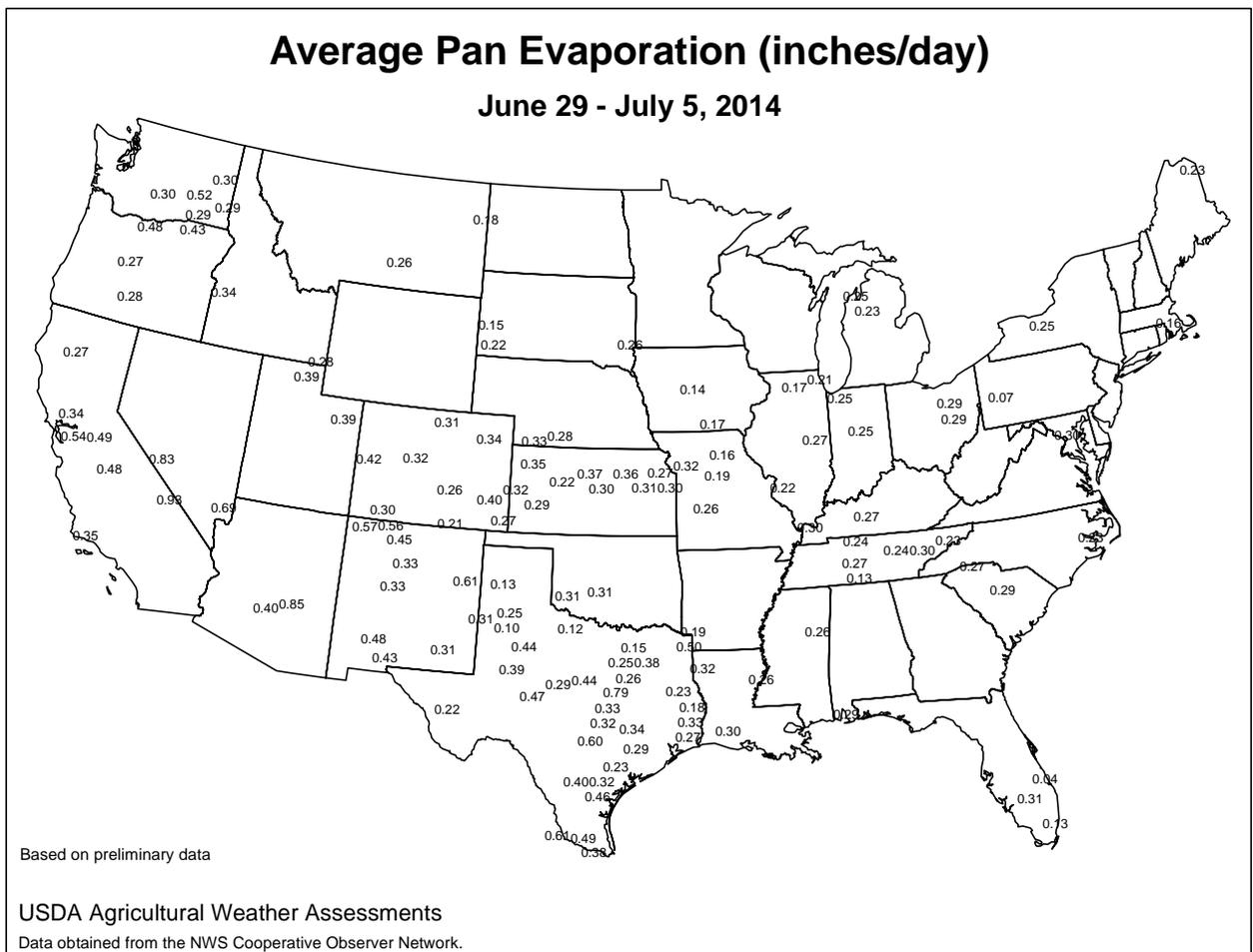
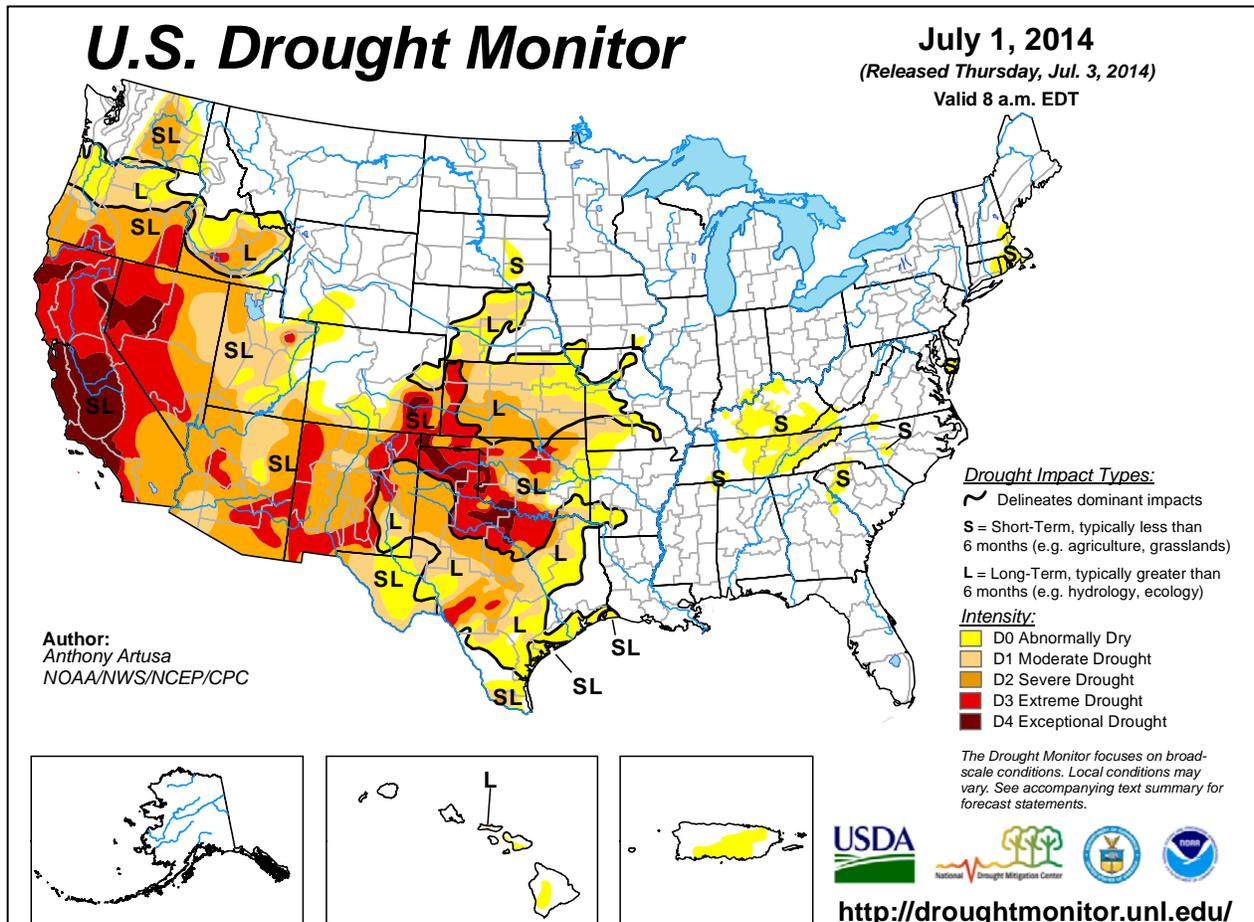
**C**ategory 2 Hurricane Arthur battered **North Carolina's Outer Banks** on the night of July 3-4, although agricultural impacts were relatively minor and mostly limited to the immediate coast. The hurricane was swept away in part by a cold front, which produced scattered showers across the **Plains, Midwest, South, and East**. The interaction between the front and the tropical system led to heavy, late-week rain, totaling 2 to 4 inches or more, along the **northern Atlantic Coast**. The front also contributed to additional drought relief on the **southern**

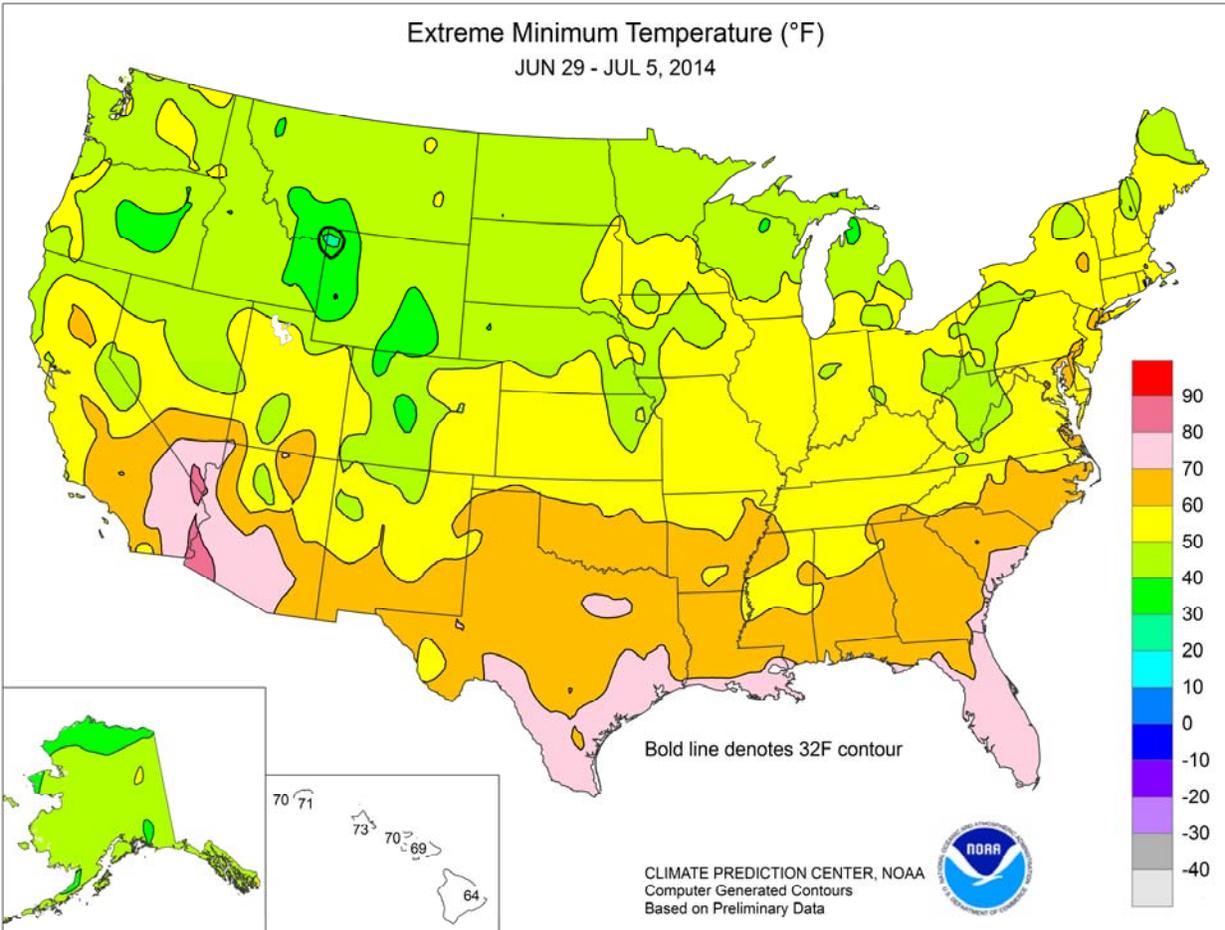
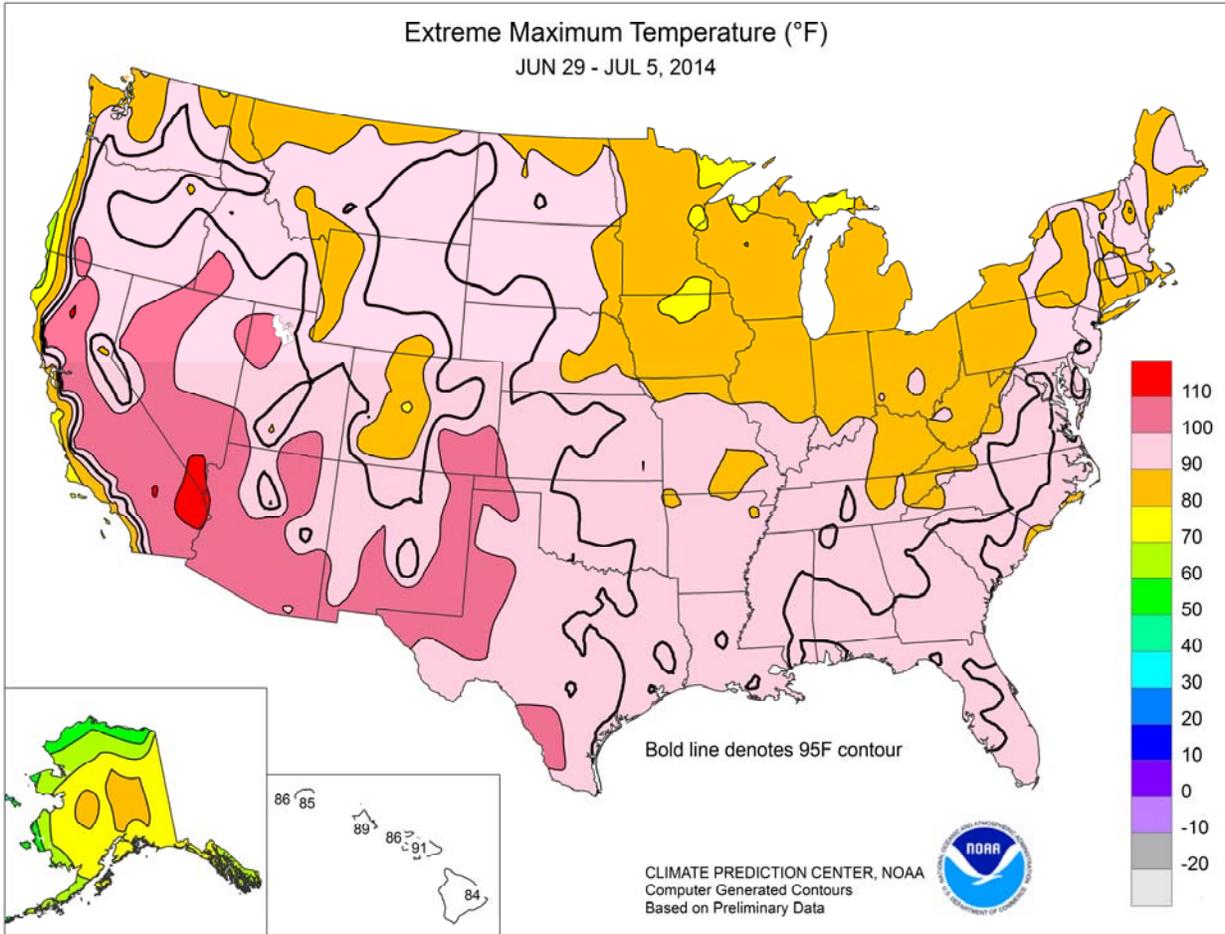
(Continued on page 5)

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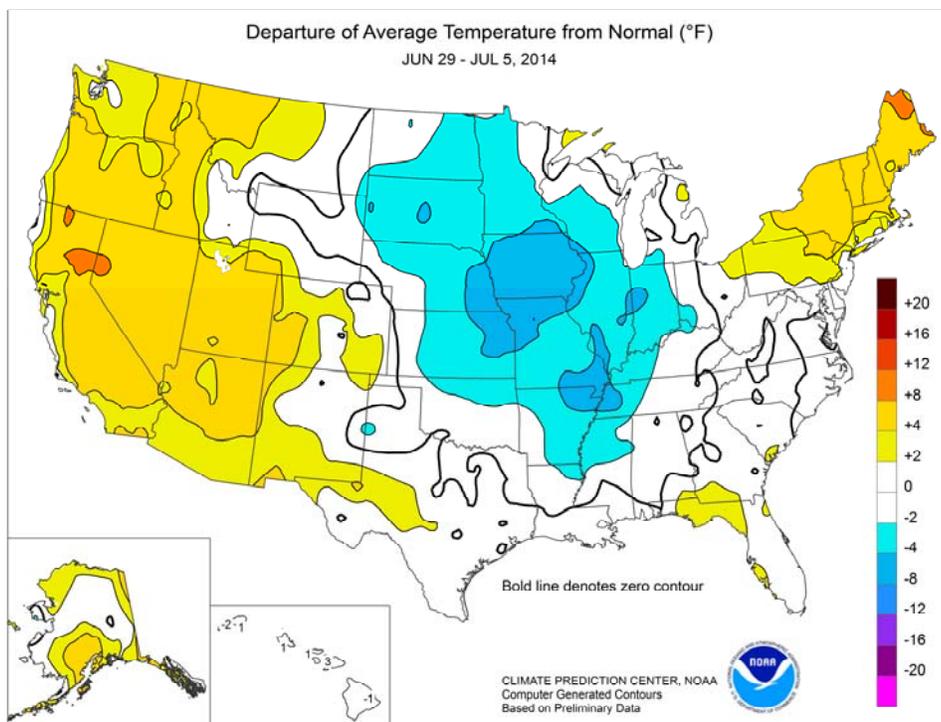




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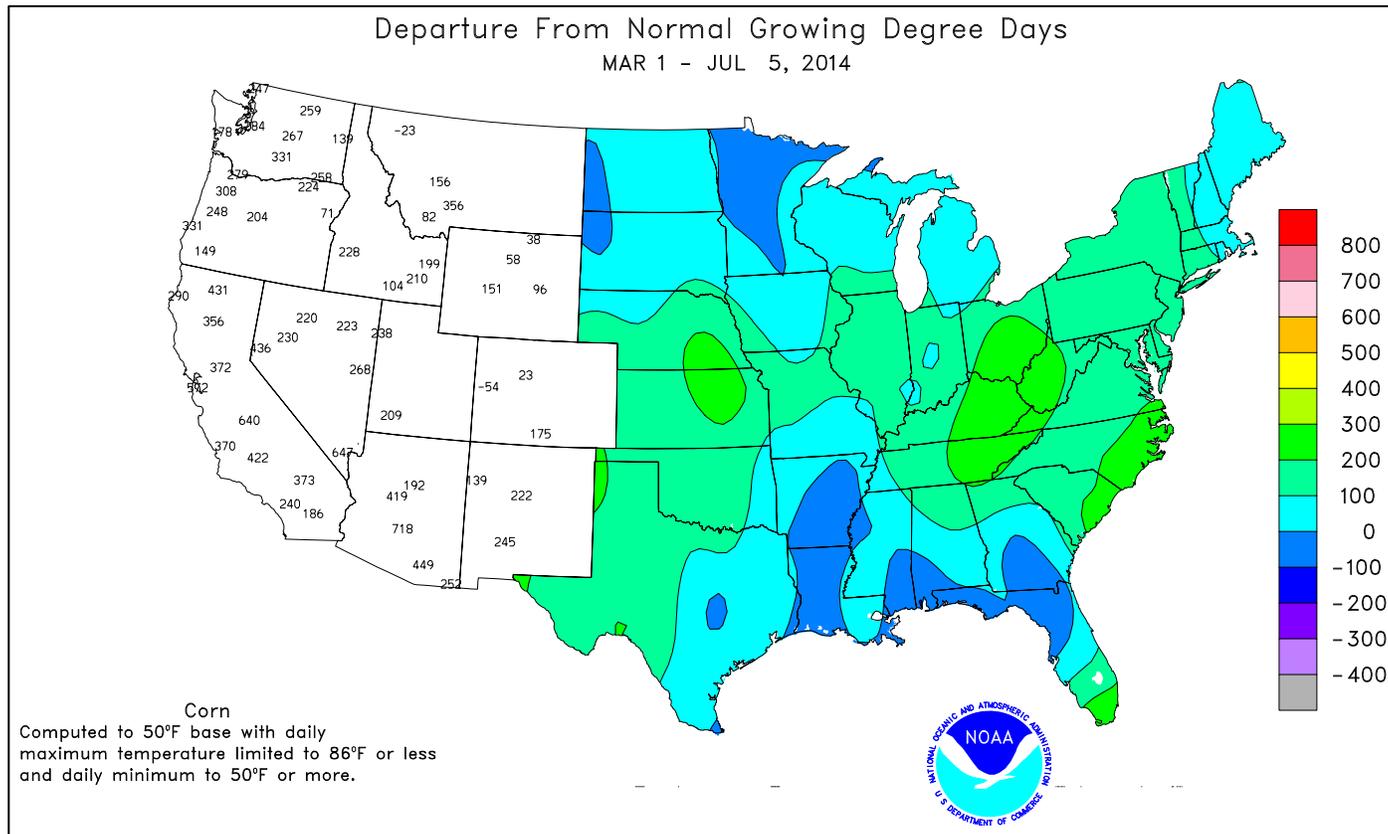
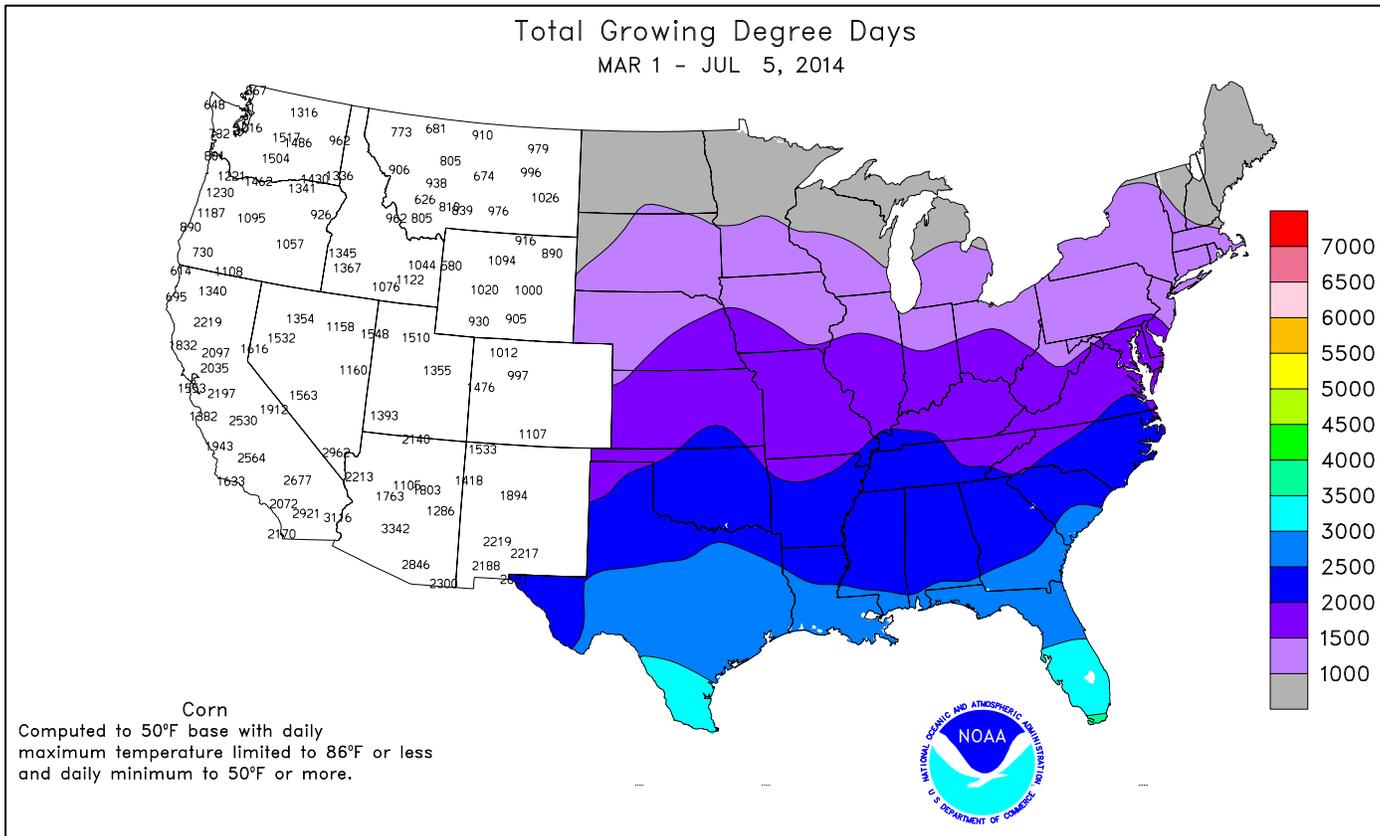
**Plains**, where weekly rainfall locally topped 2 inches. By week's end, however, hot, mostly dry weather returned to the **High Plains**. Earlier in the week, damaging thunderstorms had pounded parts of the **Midwest** on June 29-30. In particular, strong winds, large hail, and isolated tornadoes swept across the **Corn Belt**—mainly from **northeastern Nebraska to northern Indiana and southern Michigan**—on June 29, causing local damage to crops and farm infrastructure. In addition, heavy rain (locally 4 inches or more) brought another round of flooding to parts of **Iowa** and environs. Elsewhere, the arrival of seasonal (monsoon) showers provided local drought relief in the **Southwest**, while hot, mostly dry weather in **California** and the **Northwest** boosted irrigation demands and stressed rain-fed crops, but favored fieldwork, winter wheat maturation, and rapid summer crop development. Weekly temperatures averaged more than 5°F above normal across a broad area stretching from **Oregon and California across the Great Basin**, but were at least 5°F below normal in parts of **Iowa** and neighboring states. Temperatures remained below 90°F all week across the majority of the **Midwest**, benefiting corn and soybeans that have begun to enter the reproductive stage of development.

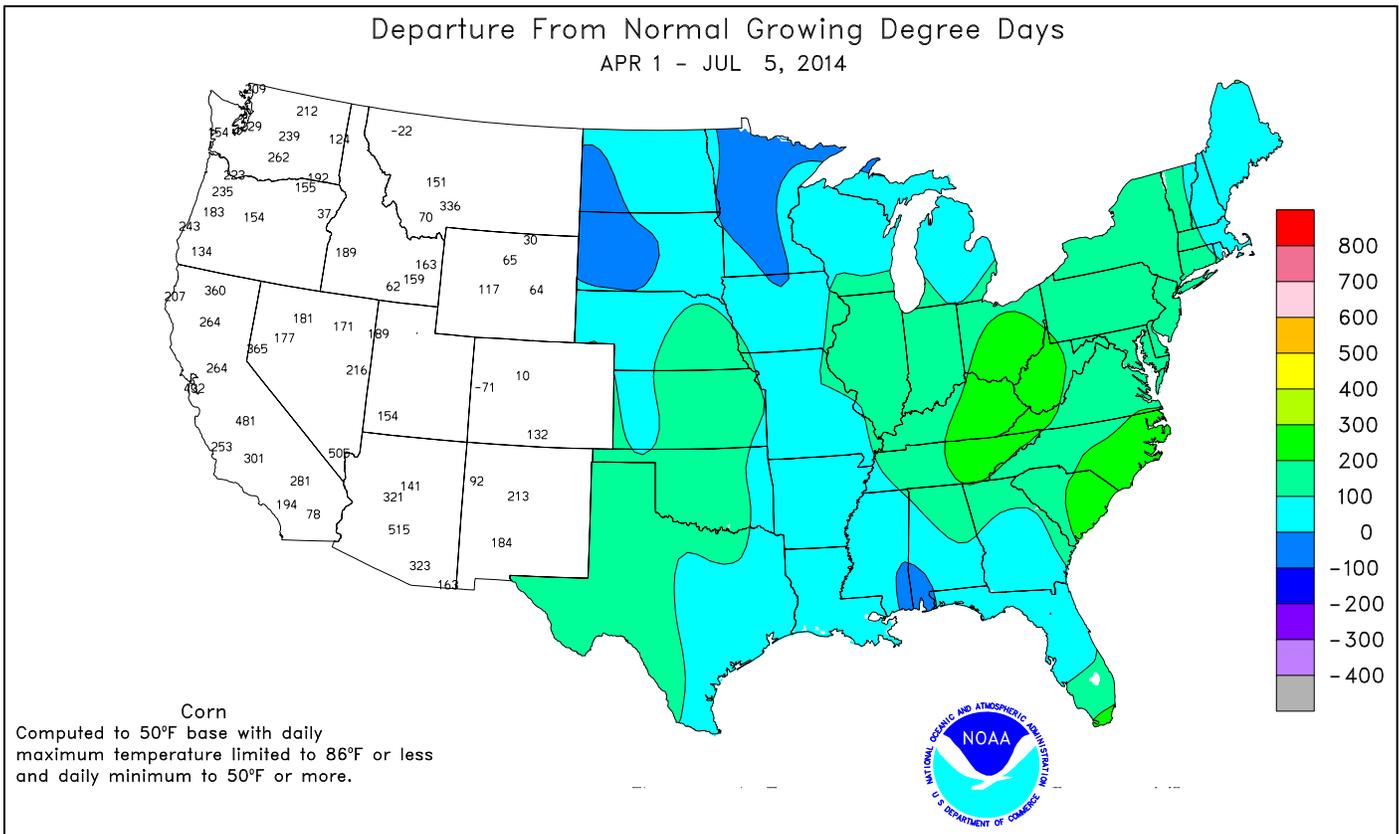
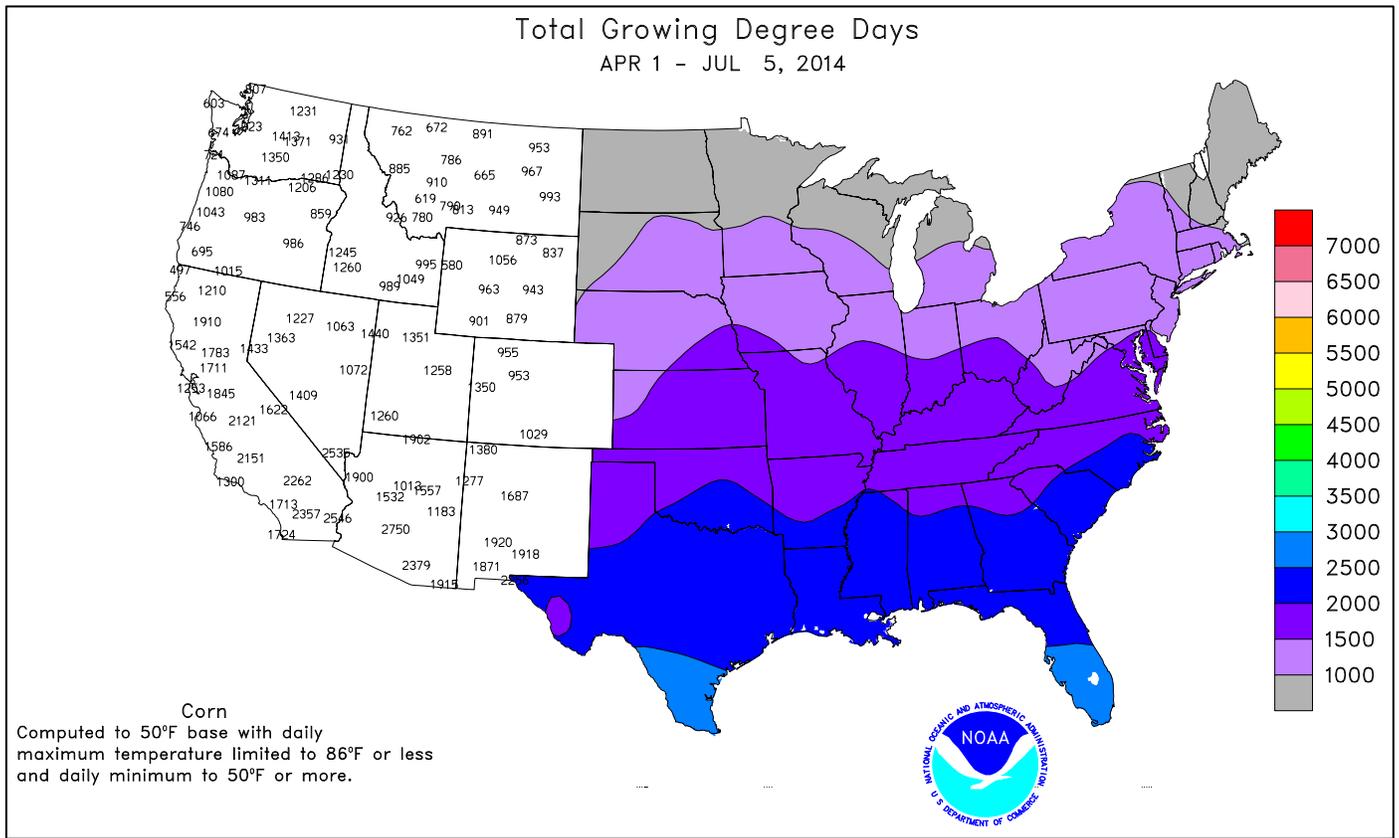
Arthur's impact along the **Atlantic Seaboard** was overshadowed by a late-June severe weather outbreak across the **Midwest**. On June 30, winds associated with a **Midwestern "derecho"** were clocked to 73 mph in **Marshalltown, IA**; 71 mph in **Cedar Rapids, IA**; and 68 mph in **South Bend, IN**. In **Illinois**, daily rainfall totals associated with the June 30 storms included 5.10 inches in **Moline** and 2.60 inches in **Chicago**. **Sioux City, IA**, received a daily-record total of 1.81 inches on June 30, capping its wettest June and month on record. June rainfall totaled 16.65 inches in **Sioux City**, nearly doubling its June 1967 standard of 8.78 inches and easily surpassing its May 1903 all-time mark of 11.78 inches. Runoff from late-June rainfall and earlier storms pushed the **Mississippi River** to its third-highest crest on record from **New Boston, Illinois, downstream to Burlington, Iowa**. On July 5-6, water levels along that stretch the river climbed 8 to 10 feet above flood stage—and were just 1 to 3 feet below high-water marks established in either July 1993 or June 2008. Locally heavy, early-week showers also dotted the **South** and **East**. Daily-record totals were established in locations such as **Memphis, TN** (5.87 inches on June 29), and **Wichita Falls, TX** (1.94 inches on July 1). During the second half of the week, the focus for heavy rain shifted into the **East**, although showers also affected the **western Gulf Coast region**. On July 3, **Victoria, TX**, reported a daily-record rainfall of 2.26 inches. On the same date, **Wilmington, NC**, received a daily-record amount (3.75 inches), along with a northerly wind gust to 59 mph, during Arthur's passage. Shortly before landfall on July 3, a wind gust to 101 mph was clocked at **Cape Lookout, NC**. Due to the interaction between Arthur and the cold front, the wettest Independence Day on record was observed in locations such as **Providence, RI** (2.68 inches); **Georgetown, DE** (2.60 inches); **Boston, MA** (1.88 inches); and **Portland, ME** (1.41 inches). Rain lingered across **Maine** through July 5, when record-setting totals reached 2.40 inches in **Houlton**, 2.34 inches in **Caribou**, and 2.12 inches in **Bangor**. For **Houlton**, it was the wettest July day on record, supplanting the 2.33-inch standard set on July 2, 1956. Meanwhile, the **Southwestern** monsoon arrived, roughly on schedule, accompanied by locally heavy showers. **Flagstaff, AZ**, collected a daily-record total of 1.89 inches on July 4, followed the next day by record-setting amounts in locations such as **Prescott, AZ** (0.53 inch), and **Needles, CA** (0.47 inch).



Late-month heat in the **East** resulted in record-setting highs for June 29 in **Ft. Myers, FL** (97°F), and **Watertown, NY** (89°F). Elsewhere in **Florida**, **Tampa** (96°F) posted a daily-record high for June 30. Meanwhile, heat also returned to the **High Plains**, where daily-record highs for June 30 included 103°F in **Pueblo, CO**, and 100°F in **Clayton, NM**. In contrast, **Lake Yellowstone, WY**, reported four consecutive freezes (31, 30, 29, and 29°F) from June 28 – July 1. In early July, heat lingered in **New England** and developed across the **Pacific Coast States** and the **Southwest**. On July 2, highs attained daily-record levels in **Maine** locations such as **Millinocket** (94°F) and **Houlton** (93°F). Farther west, July opened with record-setting highs on the 1<sup>st</sup> in **Montague, CA** (106°F), and **Page, AZ** (105°F). Later, heat continued in parts of the **West**, while unusually cool air settled across the **Plains** and **Midwest**. Western daily-record highs included 97°F (on July 4) in **Idaho Falls, ID**, and 91°F (on July 5) in **Long Beach, CA**. In contrast, **Joplin, MO**, tied a monthly record with a low of 50°F on July 3. Elsewhere, daily-record lows included 37°F (on July 3) in **Pellston, MI**; 39°F (on July 2) in **Alliance, NE**; and 46°F (on July 3) in **Appleton, WI**. **Greenwood, MS**, closed the week with consecutive daily-record lows (61 and 59°F, respectively) on July 4-5. **Huntsville, AL**, also posted a daily-record low (57°F) on July 5, just a year and a day after experiencing its wettest Independence Day (4.64 inches) and 2 years and a day after enduring its hottest 4<sup>th</sup> of July (102°F).

Near- to above-normal temperatures prevailed in **Alaska**, along with unusually heavy showers. **Fairbanks** completed its wettest June on record, with 3.56 inches (previously, 3.55 inches in 1949), then received a remarkable 3.36 inches of rain during the first 2 days of July. On July 1, **Fairbanks'** 1.92-inch total marked its greatest daily amount since July 27, 2003, when 2.27 inches fell. June precipitation records were also set in locations such as **Juneau** (7.46 inches) and **Barrow** (1.47 inches). Later, heavy precipitation overspread **southeastern Alaska**, where **Skagway** (0.95 and 1.35 inches) and **Haines** (1.18 and 1.46 inches) notched consecutive daily-record totals on July 3-4. Warmth arrived late in the week across the **Alaskan mainland**, where **McGrath** posted a daily-record high of 85°F on July 5. Farther south, seasonably dry weather prevailed in **Hawaii**, with showers mainly confined to windward areas. Showers became more numerous at week's end, when 24-hour totals on July 5-6 locally topped an inch on **Oahu** and **Kauai**.





National Weather Data for Selected Cities

Weather Data for the Week Ending July 5, 2014

Data Provided by Climate Prediction Center

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN, SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	90	68	93	58	79	0	0.00	-1.03	0.00	4.82	106	27.67	93	90	42	4	0	0	0
AL HUNTSVILLE	89	68	94	57	79	1	0.33	-0.65	0.33	7.13	145	30.59	96	86	51	3	0	1	0
AL MOBILE	91	71	94	64	81	0	0.00	-1.28	0.00	5.15	87	46.64	133	94	56	6	0	0	0
AK MONTGOMERY	93	69	97	64	81	0	0.24	-0.93	0.24	2.20	44	31.09	102	89	47	6	0	1	0
AK ANCHORAGE	72	55	76	52	64	7	0.08	-0.19	0.08	3.23	256	6.46	142	75	55	0	0	1	0
AK BARROW	48	36	55	34	42	3	0.38	0.26	0.33	1.31	320	3.55	366	95	78	0	0	3	0
AK FAIRBANKS	73	53	84	50	63	0	3.37	3.01	1.88	6.78	408	7.87	214	83	57	0	0	2	2
AK JUNEAU	64	51	66	47	58	2	1.34	0.53	0.57	8.86	225	28.77	127	93	81	0	0	4	1
AK KODIAK	66	52	74	47	59	7	0.06	-1.04	0.06	6.26	102	39.78	107	83	68	0	0	1	0
AK NOME	52	43	68	40	48	-3	0.52	0.19	0.26	0.71	51	5.17	103	96	85	0	0	3	0
AZ FLAGSTAFF	84	51	88	46	68	4	1.96	1.71	1.88	1.96	316	5.17	51	67	20	0	0	3	1
AZ PHOENIX	106	84	109	79	95	3	0.01	-0.07	0.01	0.01	6	1.00	31	38	20	7	0	1	0
AZ PRESCOTT	92	64	99	60	78	6	0.54	0.24	0.53	0.54	86	1.60	22	51	19	5	0	2	1
AZ TUCSON	103	77	106	75	90	3	0.25	0.05	0.16	0.25	63	0.86	24	46	25	7	0	2	0
AR FORT SMITH	90	70	95	63	80	0	0.06	-0.78	0.03	4.51	92	19.25	84	87	47	3	0	2	0
AR LITTLE ROCK	88	70	92	65	79	-2	0.69	-0.16	0.65	5.50	121	27.91	104	87	48	4	0	2	1
CA BAKERSFIELD	103	73	107	69	88	7	0.00	0.00	0.00	0.00	0	1.33	29	36	21	7	0	0	0
CA FRESNO	105	72	108	67	88	9	0.00	0.00	0.00	0.00	0	4.07	52	48	27	7	0	0	0
CA LOS ANGELES	76	66	80	65	71	3	0.00	0.00	0.00	0.00	0	3.41	36	83	67	0	0	0	0
CA REDDING	103	68	111	60	85	6	0.00	-0.01	0.00	0.00	0	14.27	65	51	25	7	0	0	0
CA SACRAMENTO	96	60	105	57	78	4	0.00	0.00	0.00	0.00	0	7.89	66	77	20	7	0	0	0
CA SAN DIEGO	76	68	83	67	72	3	0.00	0.00	0.00	0.01	11	2.82	37	79	67	0	0	0	0
CA SAN FRANCISCO	75	57	82	53	66	4	0.00	0.00	0.00	0.01	9	7.32	55	86	69	0	0	0	0
CA STOCKTON	97	61	105	58	79	3	0.06	0.06	0.01	0.23	256	6.02	67	69	36	7	0	6	0
CO ALAMOSA	84	44	90	40	64	2	0.01	-0.13	0.01	0.02	3	1.83	64	79	29	1	0	1	0
CO CO SPRINGS	86	56	96	50	71	3	0.58	0.08	0.48	1.86	69	6.65	79	73	22	4	0	3	0
CO DENVER INTL	89	57	96	54	73	3	0.00	-0.36	0.00	1.83	94	8.54	121	62	21	5	0	0	0
CO GRAND JUNCTION	94	63	96	57	79	4	0.00	-0.07	0.00	0.13	28	3.91	89	30	16	7	0	0	0
CO PUEBLO	92	59	103	57	76	3	0.09	-0.23	0.06	0.96	62	5.16	88	66	30	5	0	2	0
CT BRIDGEPORT	84	67	88	61	75	3	1.14	0.33	0.50	5.15	124	26.80	117	86	61	0	0	3	1
CT HARTFORD	88	64	95	58	76	4	1.64	0.81	0.66	3.27	74	25.27	108	79	51	3	0	3	2
DC WASHINGTON	90	71	99	64	81	3	0.56	-0.17	0.50	3.89	107	26.18	133	72	43	3	0	3	1
DE WILMINGTON	86	67	92	60	77	2	0.07	-0.83	0.05	5.10	120	27.43	125	87	48	3	0	2	0
FL DAYTONA BEACH	90	74	94	71	82	1	0.68	-0.63	0.31	4.44	67	24.18	109	96	61	3	0	5	0
FL JACKSONVILLE	91	72	96	70	82	1	1.24	-0.15	0.82	4.58	72	30.40	128	98	57	6	0	3	1
FL KEY WEST	90	81	91	77	86	2	0.27	-0.57	0.25	2.39	46	15.24	94	78	64	5	0	2	0
FL MIAMI	91	76	93	73	84	1	5.33	3.67	1.94	21.11	218	31.25	125	90	59	5	0	6	4
FL ORLANDO	92	76	96	73	84	2	1.13	-0.71	0.74	5.35	62	22.68	98	89	68	6	0	4	1
FL PENSACOLA	92	75	95	69	84	2	0.00	-1.73	0.00	3.26	43	59.74	185	81	50	7	0	0	0
FL TALLAHASSEE	97	73	99	64	85	3	0.37	-1.37	0.37	3.91	48	36.00	109	82	41	7	0	1	0
FL TAMPA	92	77	96	75	84	2	2.27	0.84	0.81	3.73	57	23.05	122	85	54	4	0	4	2
FL WEST PALM BEACH	90	75	95	74	83	1	2.70	1.03	1.07	9.91	113	27.63	100	89	69	5	0	5	2
GA ATHENS	91	68	97	65	80	1	0.56	-0.39	0.42	3.74	81	23.37	90	87	55	4	0	2	0
GA ATLANTA	88	70	93	64	79	0	1.03	-0.01	0.95	5.10	116	23.57	87	82	59	3	0	2	1
GA AUGUSTA	93	68	98	61	80	0	0.00	-0.94	0.00	2.27	47	21.13	88	92	50	6	0	0	0
GA COLUMBUS	93	71	95	66	82	1	0.07	-0.93	0.07	4.22	100	30.01	112	86	40	6	0	1	0
GA MACON	92	67	94	61	80	0	1.99	1.06	1.72	5.66	134	27.85	112	100	47	5	0	2	1
GA SAVANNAH	93	74	96	72	83	2	0.00	-1.31	0.00	11.64	181	27.43	115	86	52	7	0	0	0
HI HILO	81	67	84	64	74	-1	1.04	-1.13	0.34	7.14	80	54.86	88	100	85	0	0	7	0
HI HONOLULU	88	75	89	73	82	2	0.07	-0.01	0.04	0.67	137	10.67	114	75	63	0	0	2	0
HI KAHULUI	89	73	91	69	81	3	0.07	0.01	0.03	0.37	137	14.32	129	80	64	3	0	4	0
HI LIHUE	84	75	85	71	79	0	0.03	-0.37	0.03	3.19	151	18.99	98	85	75	0	0	1	0
ID BOISE	94	60	100	50	77	6	0.00	-0.11	0.00	0.24	29	8.35	114	50	21	5	0	0	0
ID LEWISTON	91	60	100	54	75	5	0.00	-0.19	0.00	0.96	74	6.24	85	58	33	5	0	0	0
ID POCATELLO	89	47	98	39	68	2	0.00	-0.14	0.00	0.43	43	6.14	85	68	25	4	0	0	0
IL CHICAGO/O'HARE	79	62	87	56	71	0	2.86	2.08	2.60	8.01	191	22.84	132	79	50	0	0	4	1
IL MOLINE	78	61	87	55	70	-4	5.39	4.42	5.11	10.37	195	21.93	113	87	65	0	0	4	1
IL PEORIA	80	63	89	56	71	-3	2.22	1.30	1.33	10.18	226	22.15	122	90	55	0	0	5	1
IL ROCKFORD	78	60	86	52	69	-3	1.95	0.89	1.34	8.16	147	18.13	99	90	64	0	0	3	2
IL SPRINGFIELD	82	63	90	56	72	-3	0.08	-0.72	0.04	8.90	205	23.20	127	90	53	1	0	3	0
IN EVANSVILLE	84	65	93	57	75	-3	2.22	1.34	2.22	6.10	129	27.59	113	89	54	2	0	1	1
IN FORT WAYNE	81	61	86	52	71	-1	0.56	-0.32	0.55	6.38	137	22.92	122	88	48	0	0	2	1
IN INDIANAPOLIS	80	63	86	54	72	-3	0.89	-0.07	0.76	7.18	149	24.60	117	87	53	0	0	2	1
IN SOUTH BEND	80	61	87	52	70	-2	1.07	0.13	0.68	9.49	195	24.56	128	81	51	0	0	4	1
IA BURLINGTON	78	62	87	55	70	-5	0.74	-0.31	0.43	7.71	148	19.18	101	96	58	0	0	3	0
IA CEDAR RAPIDS	75	58	83	50	66	-7	3.75	2.76	1.80	13.96	270	25.20	152	96	62	0	0	5	3
IA DES MOINES	79	60	85	53	69	-6	3.41	2.43	1.99	9.55	181	20.70	118	85	70	0	0	4	2
IA DUBUQUE	74	57	82	50	66	-5	1.85	1.00	1.45	10.36	221	22.79	130	94	65	0	0	3	1
IA SIOUX CITY	80	59	87	49	70	-3	2.75	1.98	1.81	10.92	263	16.17	117	91	64	0	0	4	2
IA WATERLOO	76	55	83	46	66	-7	2.02	0.97	1.66	9.71	175	23.76	140	94	63	0	0	4	1
KS CONCORDIA	87	63	96	55	75	-2	0.00	-0.90	0.00	6.70	146	12.52	84	82	47	2	0	0	0
KS DODGE CITY	87	64	96	57	76	-2	0.99	0.28	0.84	9.24	253	12.76	106	85	45	3	0	3	1
KS GOODLAND	86	59	95	57	73	0	0.81	0.07	0.48	5.87	153	9.41	87	90	43	2	0	2	0
KS TOPEKA	86	63	94	51	75	-2	0.08	-0.90	0.08	6.26	112	13.73	75	85	54	2	0	1	0

Based on 1971-2000 normals

\*\*\* Not Available

Weather Data for the Week Ending July 5, 2014

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN. SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	87	66	93	57	76	-3	2.26	1.41	1.17	11.06	228	17.12	106	85	56	2	0	3	2
KY JACKSON	83	65	89	57	74	0	0.11	-0.92	0.07	3.16	58	24.01	92	87	48	0	0	2	0
LEXINGTON	84	65	90	55	74	-1	0.90	-0.16	0.52	5.96	112	27.31	110	83	57	1	0	3	1
LOUISVILLE	86	66	93	58	76	-1	0.27	-0.61	0.13	1.91	43	21.42	89	85	50	2	0	3	0
PADUCAH	85	65	92	57	75	-2	1.35	0.22	0.93	7.07	133	27.26	102	90	54	2	0	2	1
LA BATON ROUGE	92	73	94	66	82	1	0.00	-1.31	0.00	11.37	181	35.70	106	91	48	7	0	0	0
LAKE CHARLES	90	74	93	69	82	0	0.00	-1.31	0.00	14.57	208	29.75	102	93	56	4	0	0	0
NEW ORLEANS	91	77	95	72	84	2	0.00	-1.66	0.00	8.05	100	33.00	96	83	58	5	0	0	0
SHREVEPORT	91	72	94	65	82	0	0.00	-1.08	0.00	3.26	56	21.33	75	89	50	6	0	0	0
ME CARIBOU	82	61	91	50	72	8	3.94	3.16	2.29	6.56	170	23.75	137	92	52	1	0	4	2
ME PORTLAND	80	63	84	57	72	5	2.96	2.22	1.55	7.26	191	26.48	114	90	61	0	0	4	2
MD BALTIMORE	86	66	93	55	76	1	0.96	0.16	0.48	4.94	124	28.56	134	82	50	2	0	2	0
MA BOSTON	86	65	92	59	76	4	2.51	1.80	1.96	5.14	138	23.09	107	84	47	2	0	3	1
MA WORCESTER	82	62	88	57	72	4	1.73	0.82	0.88	3.29	70	24.49	101	88	53	0	0	3	2
MI ALPENA	80	55	89	44	68	3	0.14	-0.47	0.09	1.23	41	12.71	97	91	45	0	0	3	0
MI GRAND RAPIDS	79	61	87	53	70	0	0.78	-0.10	0.41	5.59	130	18.80	109	91	49	0	0	4	0
MI HOUGHTON LAKE	77	56	85	42	67	2	1.10	0.48	0.97	2.70	80	15.38	117	91	54	0	0	4	1
MI LANSING	79	60	85	50	69	0	0.84	0.08	0.42	7.23	175	18.42	120	88	51	0	0	3	0
MI MUSKOGON	77	60	83	49	68	0	0.46	-0.04	0.45	7.15	244	20.45	137	82	56	0	0	2	0
MI TRAVERSE CITY	78	56	85	44	67	-1	0.63	-0.18	0.46	2.75	71	15.95	102	86	46	0	0	4	0
MN DULUTH	77	57	82	51	67	4	0.36	-0.66	0.35	4.57	92	16.99	124	79	52	0	0	2	0
MN INT'L FALLS	74	52	82	42	63	-1	1.08	0.18	0.41	11.03	239	19.87	181	94	54	0	0	5	0
MN MINNEAPOLIS	79	60	85	54	70	-1	0.17	-0.80	0.15	11.55	230	26.02	182	80	48	0	0	3	0
MN ROCHESTER	75	57	79	51	66	-3	0.13	-0.87	0.07	7.33	155	18.66	126	88	66	0	0	4	0
MN ST. CLOUD	81	59	88	51	70	2	0.06	-0.86	0.04	6.23	121	22.57	172	82	38	0	0	3	0
MS JACKSON	90	71	94	60	80	0	0.00	-0.99	0.00	6.65	146	38.25	122	94	49	5	0	0	0
MS MERIDIAN	92	67	98	59	79	-2	0.16	-0.98	0.04	2.90	60	34.62	103	94	48	5	0	7	0
MS TUPELO	88	68	92	59	78	-1	0.12	-0.84	0.12	8.51	155	28.69	89	89	51	3	0	1	0
MO COLUMBIA	83	63	92	54	73	-3	0.15	-0.71	0.07	5.14	111	19.96	96	93	55	1	0	3	0
MO KANSAS CITY	83	62	91	53	73	-4	0.38	-0.63	0.27	6.99	135	15.61	83	89	57	1	0	3	0
MO SAINT LOUIS	85	68	94	60	76	-3	0.02	-0.88	0.02	5.28	120	22.35	110	78	51	1	0	1	0
MO SPRINGFIELD	84	64	91	52	74	-3	0.31	-0.77	0.31	6.29	109	17.77	78	83	58	2	0	1	0
MT BILLINGS	85	56	97	50	70	1	0.08	-0.27	0.06	1.84	86	9.66	109	64	27	2	0	2	0
MT BUTTE	79	45	87	36	62	2	0.03	-0.35	0.03	3.47	148	7.75	107	79	22	0	0	1	0
MT CUT BANK	79	52	87	47	66	6	0.01	-0.43	0.01	5.33	191	9.38	132	78	30	0	0	1	0
MT GLASGOW	83	56	92	51	69	1	0.29	-0.18	0.29	1.96	77	5.35	88	84	52	2	0	1	0
MT GREAT FALLS	82	52	91	42	67	4	0.00	-0.37	0.00	4.19	168	11.29	131	74	28	1	0	0	0
MT HAVRE	84	55	93	50	69	3	0.30	-0.08	0.27	2.69	124	6.39	100	83	45	1	0	2	0
MT MISSOULA	86	50	94	42	68	4	0.04	-0.25	0.04	2.00	104	8.85	114	81	36	4	0	1	0
NE GRAND ISLAND	84	61	90	52	72	-2	0.01	-0.73	0.01	9.66	227	14.15	100	84	56	1	0	1	0
NE LINCOLN	85	60	91	50	73	-3	0.01	-0.74	0.01	5.86	145	15.60	106	83	54	2	0	1	0
NE NORFOLK	81	58	89	50	70	-3	1.23	0.29	1.15	11.45	233	16.95	115	85	55	0	0	2	1
NE NORTH PLATTE	85	56	95	46	70	-2	0.02	-0.70	0.02	8.23	224	12.52	112	85	41	2	0	1	0
NE OMAHA	81	62	86	53	71	-4	1.50	0.62	1.40	11.97	261	18.79	120	82	63	0	0	3	1
NE SCOTTSBLUFF	90	52	100	43	71	0	0.00	-0.57	0.00	1.31	43	8.46	86	90	34	4	0	0	0
NE VALENTINE	85	57	98	45	71	0	0.00	-0.73	0.00	8.64	244	15.85	150	86	50	1	0	0	0
NV ELY	92	49	95	42	71	7	0.00	-0.08	0.00	0.18	25	4.34	80	37	13	7	0	0	0
NV LAS VEGAS	107	85	112	81	96	6	0.08	0.05	0.08	0.08	80	0.38	16	29	16	7	0	1	0
NV RENO	98	60	102	56	79	10	0.00	-0.06	0.00	0.00	0	2.00	45	37	13	7	0	0	0
NV WINNEMUCCA	96	55	102	50	76	7	0.00	-0.08	0.00	0.08	11	4.00	80	31	14	6	0	0	0
NH CONCORD	84	61	92	52	73	5	3.82	3.10	1.49	7.65	211	25.47	138	95	55	2	0	4	3
NJ NEWARK	87	67	96	62	77	2	2.60	1.71	1.41	6.64	164	29.99	127	78	54	2	0	3	2
NM ALBUQUERQUE	92	66	100	61	79	1	0.60	0.43	0.47	0.71	92	1.72	50	52	20	5	0	4	0
NY ALBANY	85	66	91	57	75	6	1.92	1.11	0.85	6.69	155	20.25	106	85	54	2	0	3	2
NY BINGHAMTON	80	62	86	53	71	4	0.39	-0.49	0.29	4.77	108	20.13	103	87	64	0	0	2	0
NY BUFFALO	81	64	86	52	72	3	0.39	-0.41	0.27	3.93	90	21.45	111	85	53	0	0	3	0
NY ROCHESTER	83	65	90	52	74	5	0.61	-0.12	0.43	2.57	66	15.56	95	80	56	1	0	4	0
NY SYRACUSE	85	66	94	56	76	7	0.57	-0.38	0.29	3.28	75	20.66	109	85	49	2	0	4	0
NC ASHEVILLE	82	63	88	53	73	1	1.34	0.44	0.93	5.13	102	21.64	85	88	57	0	0	2	1
NC CHARLOTTE	89	68	95	60	78	-1	0.14	-0.64	0.14	2.99	75	25.79	114	85	44	3	0	1	0
NC GREENSBORO	88	68	95	59	78	1	0.01	-0.92	0.01	3.01	72	20.50	93	80	44	3	0	1	0
NC HATTERAS	83	70	93	63	77	-1	0.76	-0.11	0.76	2.48	56	25.27	96	92	63	2	0	1	1
NC RALEIGH	89	69	97	60	79	1	0.00	-0.87	0.00	3.34	82	22.61	102	73	47	4	0	0	0
NC WILMINGTON	87	70	92	66	79	-1	3.76	2.25	3.75	6.25	97	25.50	97	92	53	2	0	2	1
ND BISMARCK	79	55	96	45	67	-1	0.15	-0.46	0.09	3.18	105	7.37	87	87	53	1	0	3	0
ND DICKINSON	78	52	93	42	65	-2	0.08	-0.62	0.06	4.06	107	12.10	130	90	47	1	0	2	0
ND FARGO	79	59	93	49	69	0	0.43	-0.32	0.20	6.00	149	13.03	124	86	50	1	0	4	0
ND GRAND FORKS	77	56	92	46	67	0	0.28	-0.43	0.10	6.79	192	14.16	155	90	51	1	0	3	0
ND JAMESTOWN	76	56	94	47	66	-2	0.22	-0.54	0.15	6.55	182	14.99	163	92	47	1	0	3	0
ND WILLISTON	81	53	99	43	67	0	0.40	-0.15	0.35	1.50	55	5.59	76	87	50	2	0	2	0
OH AKRON-CANTON	83	63	90	52	73	3	0.40	-0.46	0.23	9.45	227	26.08	134	87	50	1	0	4	0
OH CINCINNATI	82	62	89	51	72	-3	0.61	-0.29	0.56	6.83	135	24.30	105	83	63	0	0	2	1
OH CLEVELAND	81	64	88	52	73	2	0.31	-0.58	0.31	6.27	139	22.67	119	87	53	0	0	1	0
OH COLUMBUS	84	65	92	54	75	1	0.82	-0.20	0.66	6.13	127	22.98	117	79	49	1	0	2	1
OH DAYTON	82	63	88	52	72	-1	1.24	0.32	1.19	4.77	98	22.84	108	86	54	0	0	3	1
OH MANSFIELD	81	62	88	50	71	1	1.33	0.34	0.79	7.48	143	23.81	108	97	51	0	0	4	1

Weather Data for the Week Ending July 5, 2014

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN., SINCE JAN 01	PCT. NORMAL SINCE JAN 01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP	
																		01 INCH OR MORE	50 INCH OR MORE	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	81	62	87	50	71	-1	0.07	-0.72	0.07	4.06	93	17.91	104	83	62	0	0	1	0		
OK YOUNGSTOWN	81	61	89	47	71	2	1.11	0.12	0.57	5.48	119	20.57	109	91	55	0	0	4	1		
OK OKLAHOMA CITY	89	70	92	64	80	0	0.00	-0.83	0.00	8.67	166	15.80	81	80	47	3	0	0	0		
OR TULSA	89	69	94	57	79	-3	0.00	-0.85	0.00	4.72	89	13.16	59	86	52	4	0	0	0		
OR ASTORIA	72	54	89	49	63	4	0.14	-0.31	0.08	1.96	68	40.64	113	88	70	0	0	2	0		
OR BURNS	90	45	94	37	67	5	0.00	-0.08	0.00	0.44	61	5.40	88	64	24	5	0	0	0		
OR EUGENE	85	52	96	48	69	5	0.00	-0.22	0.00	1.30	77	22.01	79	88	53	1	0	0	0		
OR MEDFORD	95	60	105	55	78	8	0.00	-0.08	0.00	0.54	73	10.66	110	69	25	6	0	0	0		
OR PENDLETON	89	57	96	48	73	4	0.00	-0.11	0.00	1.07	126	7.54	106	60	29	4	0	0	0		
OR PORTLAND	82	59	99	55	71	5	0.15	-0.09	0.15	2.33	132	23.09	117	77	59	1	0	1	0		
OR SALEM	85	57	99	53	71	7	0.00	-0.23	0.00	0.65	40	21.64	100	81	52	1	0	0	0		
PA ALLENTOWN	86	65	94	56	76	4	0.90	-0.01	0.41	6.31	136	28.60	128	81	52	2	0	3	0		
PA ERIE	80	66	88	52	73	2	0.88	-0.02	0.80	5.08	103	21.31	109	78	54	0	0	4	1		
PA MIDDLETOWN	87	69	94	62	78	4	0.18	-0.67	0.09	3.96	89	25.61	122	82	45	3	0	2	0		
PA PHILADELPHIA	88	69	96	64	79	3	0.34	-0.53	0.21	5.80	148	28.30	132	75	48	3	0	3	0		
PA PITTSBURGH	82	64	88	50	73	2	0.20	-0.76	0.20	4.26	89	19.34	97	85	49	0	0	1	0		
PA WILKES-BARRE	85	64	91	54	74	4	0.77	-0.19	0.30	2.78	60	15.49	82	87	48	3	0	4	0		
PA WILLIAMSPORT	85	65	91	57	75	4	1.60	0.53	1.01	5.07	97	19.82	94	84	59	1	0	3	2		
RI PROVIDENCE	85	64	90	55	74	3	2.68	1.96	2.68	5.04	130	27.59	115	85	54	2	0	1	1		
SC BEAUFORT	93	74	97	72	83	2	0.08	-1.24	0.08	2.93	44	17.70	75	90	47	6	0	1	0		
SC CHARLESTON	91	74	94	72	83	2	0.27	-1.15	0.16	3.18	46	20.42	83	87	51	5	0	2	0		
SC COLUMBIA	93	73	98	71	83	2	0.40	-0.84	0.30	1.53	26	20.49	82	77	43	6	0	2	0		
SD GREENVILLE	88	68	95	64	78	1	2.28	1.36	1.48	3.59	78	23.40	88	88	50	3	0	3	2		
SD ABERDEEN	77	55	91	47	66	-4	0.17	-0.59	0.14	3.44	85	8.87	82	91	61	1	0	2	0		
SD HURON	81	59	92	49	70	-1	0.01	-0.71	0.01	2.44	64	6.94	59	79	40	1	0	1	0		
SD RAPID CITY	80	54	91	48	67	-2	0.01	-0.52	0.01	5.27	165	10.64	108	85	46	1	0	1	0		
SD SIOUX FALLS	79	59	90	51	69	-2	0.15	-0.57	0.13	13.77	344	18.73	146	82	55	1	0	3	0		
TN BRISTOL	85	62	91	50	74	1	0.16	-0.78	0.15	3.59	79	15.59	68	91	45	2	0	2	0		
TN CHATTANOOGA	87	69	94	65	78	0	0.84	-0.20	0.59	5.00	105	22.29	75	83	53	2	0	2	1		
TN KNOXVILLE	85	66	89	59	76	-1	0.10	-0.93	0.10	4.56	95	20.58	76	89	53	0	0	1	0		
TN MEMPHIS	87	69	91	64	78	-3	5.97	4.93	5.87	13.51	268	39.47	131	86	53	2	0	3	1		
TN NASHVILLE	88	66	94	56	77	-1	0.36	-0.51	0.20	5.76	123	27.58	105	89	47	3	0	3	0		
TX ABILENE	94	73	97	70	83	1	0.27	-0.23	0.27	2.65	78	6.64	58	81	52	6	0	1	0		
TX AMARILLO	87	65	96	60	76	-1	0.04	-0.61	0.04	5.46	146	10.17	103	86	46	3	0	1	0		
TX AUSTIN	95	71	97	67	83	0	0.69	0.14	0.68	2.78	66	14.60	82	89	52	7	0	2	1		
TX BEAUMONT	92	74	95	69	83	1	1.89	0.48	1.89	5.78	76	18.24	61	95	54	7	0	1	1		
TX BROWNSVILLE	93	75	95	74	84	1	1.02	0.43	1.02	1.45	43	6.78	60	99	38	7	0	1	1		
TX CORPUS CHRISTI	94	75	96	72	85	2	0.29	-0.30	0.29	1.03	26	8.13	55	91	54	7	0	1	0		
TX DEL RIO	96	76	98	75	86	2	0.00	-0.52	0.00	4.71	174	5.61	61	75	46	7	0	0	0		
TX EL PASO	98	74	107	69	86	2	0.08	-0.19	0.08	0.09	8	0.73	26	43	19	7	0	1	0		
TX FORT WORTH	93	75	95	71	84	1	0.00	-0.47	0.00	3.28	92	10.61	55	81	47	6	0	0	0		
TX GALVESTON	89	80	92	77	84	0	0.00	-0.89	0.00	1.54	33	10.22	50	87	65	1	0	0	0		
TX HOUSTON	93	75	94	72	84	1	0.79	-0.17	0.48	2.98	50	22.05	89	94	54	7	0	2	0		
TX LUBBOCK	90	68	102	63	79	0	2.16	1.56	1.93	4.75	140	10.88	121	82	53	3	0	3	1		
TX MIDLAND	96	73	101	68	84	3	0.00	-0.40	0.00	0.49	25	3.65	60	72	40	6	0	0	0		
TX SAN ANGELO	96	72	97	67	84	3	0.00	-0.35	0.00	2.31	84	10.58	101	78	41	7	0	0	0		
TX SAN ANTONIO	93	75	94	72	84	1	0.01	-0.65	0.01	5.42	114	12.76	73	89	46	7	0	1	0		
TX VICTORIA	93	75	97	72	84	1	2.32	1.41	2.26	6.43	115	17.71	87	95	60	7	0	4	1		
TX WACO	93	72	94	67	83	-1	0.00	-0.56	0.00	8.31	239	19.45	110	91	54	7	0	0	0		
TX WICHITA FALLS	92	72	100	68	82	-1	2.15	1.59	1.94	5.33	131	10.43	67	87	61	5	0	3	1		
UT SALT LAKE CITY	93	66	98	58	79	5	0.00	-0.11	0.00	1.20	141	7.67	80	43	13	4	0	0	0		
VT BURLINGTON	85	67	92	61	76	7	0.81	-0.04	0.50	5.17	128	18.93	115	78	50	2	0	3	1		
VA LYNCHBURG	86	63	94	55	75	1	0.65	-0.31	0.47	3.05	68	24.07	107	90	48	2	0	2	0		
VA NORFOLK	89	71	97	65	80	2	1.46	0.46	1.22	3.39	76	23.02	100	83	40	4	0	2	1		
VA RICHMOND	91	69	99	61	80	3	0.04	-0.86	0.03	3.44	82	19.48	89	72	41	3	0	2	0		
VA ROANOKE	85	64	96	53	75	0	0.75	-0.11	0.68	3.73	87	19.31	87	78	56	2	0	2	1		
WA WASH/DULLES	86	65	95	54	75	1	0.58	-0.26	0.31	5.20	111	29.54	137	83	47	2	0	3	0		
WA OLYMPIA	78	52	94	47	65	4	0.00	-0.31	0.00	0.89	45	30.69	114	88	60	1	0	0	0		
WA QUILLAYUTE	71	51	91	44	61	4	0.32	-0.29	0.23	2.24	57	54.42	101	97	78	1	0	4	0		
WA SEATTLE-TACOMA	78	57	94	55	68	5	0.00	-0.26	0.00	0.74	44	27.30	143	80	58	1	0	0	0		
WA SPOKANE	83	58	92	48	70	5	0.00	-0.20	0.00	1.84	139	9.25	102	60	25	1	0	0	0		
WA YAKIMA	89	56	94	46	73	7	0.00	-0.09	0.00	0.09	13	3.00	68	64	29	4	0	0	0		
WV BECKLEY	80	61	85	48	70	0	0.61	-0.39	0.53	3.95	85	20.87	94	87	55	0	0	3	1		
WV CHARLESTON	85	64	91	52	75	2	0.10	-0.92	0.10	6.54	136	22.65	100	98	48	1	0	1	0		
WV ELKINS	81	58	87	45	69	1	0.21	-0.86	0.16	4.51	84	19.85	82	94	53	0	0	2	0		
WV HUNTINGTON	85	63	90	53	74	0	0.47	-0.43	0.47	3.02	67	22.56	101	94	48	1	0	1	0		
WI EAU CLAIRE	79	57	83	47	68	-2	0.14	-0.79	0.08	9.91	201	24.00	158	93	47	0	0	2	0		
WI GREEN BAY	78	59	84	49	68	-1	0.44	-0.36	0.21	4.16	104	14.82	109	92	54	0	0	4	0		
WI LA CROSSE	80	61	86	51	70	-3	0.34	-0.65	0.17	5.92	126	19.09	122	90	47	0	0	3	0		
WI MADISON	79	60	86	51	69	-1	2.76	1.83	1.40	9.57	203	21.32	132	82	54	0	0	3	2		
WI MILWAUKEE	77	61	87	53	69	-1	0.99	0.14	0.77	6.40	153	17.35	101	83	54	0	0	4	1		
WY CASPER	86	46	98	38	66	-1	0.00	-0.28	0.00	1.35	83	6.11	80	73	24	3	0	0	0		
WY CHEYENNE	82	50	93	43	66	1	0.00	-0.48	0.00	1.98	80	8.94	106	69	31	1	0	0	0		
WY LANDER	87	50	96	44	68	0	0.00	-0.19	0.00	0.60	47	4.78	59	52	13	3	0	0	0		
WY SHERIDAN	84	49	98	42	66	1	0.00	-0.36	0.00	2.23	98	9.04	103	77	34	3	0	0	0		

Based on 1971-2000 normals

\*\*\* Not Available

# National Agricultural Summary

June 30 – July 6, 2014

Weekly National Agricultural Summary provided by USDA/NASS

## HIGHLIGHTS

**Cooler weather was widespread across the central U.S., with temperatures averaging more than 6°F below normal in parts of Iowa. The middle Mississippi Valley was also hit by heavy rains for the third consecutive week, with local precipitation**

**amounts in excess of 7 inches in east-central Iowa. High temperatures increased the fire danger and aggravated drought conditions in California, with the U.S. Drought Monitor classifying nearly 80 percent of the state in extreme to exceptional drought.**

**Corn:** By July 6, fifteen percent of the nation's corn crop was at or beyond the silking stage, 9 percentage points ahead of last year but 3 points behind the 5-year average. Despite below-normal temperatures in the Corn Belt, many states saw a rapid progression in corn development. More than 20 percent of the corn began to silk during the week in Illinois, Kentucky, Missouri, Tennessee, and Texas. Overall, 75 percent of the corn crop was reported in good to excellent condition, unchanged from last week but 7 percentage points higher than the same time last year.

**Soybeans:** Ninety-eight percent of the soybean crop had emerged by week's end, 4 percentage points ahead of last year and slightly ahead of the 5-year average. Nationwide, 24 percent of the soybean crop was at or beyond the blooming stage, 15 percentage points ahead of last year and 3 points ahead of the 5-year average. Weekly blooming advances of more than 20 percentage points were seen in Illinois and South Dakota. Overall, 72 percent of the soybean crop was reported in good to excellent condition, unchanged from last week but 5 percentage points better than the same time last year.

**Winter Wheat:** Producers crossed the halfway point in winter wheat harvest progress and were 57 percent complete by July 6. This was 2 percentage points ahead of last year but 3 points behind the 5-year average. With 5.7 days suitable for fieldwork in Kansas, producers were able to harvest 30 percent of their winter wheat crop during the week. The Kansas harvest was 70 percent complete. Overall, 31 percent of the winter wheat crop was reported in good to excellent condition, up slightly from last week but 3 percentage points below the same time last year.

**Cotton:** By week's end, 53 percent of the cotton was at or beyond the squaring stage, 4 percentage points ahead of last year but 7 points behind the 5-year average. In the Northern Low Plains of Texas, the cotton crop was aided by adequate moisture; cotton was maturing in parts of South East Texas. Nationwide, 12 percent of the cotton crop was setting bolls by July 6, three percentage points ahead of last year but 4 points behind the 5-year average. Oklahoma, at 25 percent setting bolls, was 23 percentage points ahead of the 5-year average. Overall, 55 percent of the cotton crop was reported in good to excellent condition, up 2 percentage points from last week and 11 points higher than the same time last year.

**Sorghum:** Sorghum planting, 98 percent complete, was nearly finished nationwide. This was 2 percentage points behind last year and slightly behind the 5-year average. By July 6, twenty-three percent of the sorghum crop was at or beyond the heading stage, 2 percentage points behind last year and 3 points behind the 5-year average. With progress limited to Louisiana and Texas, 15 percent of the sorghum was coloring, 4 percentage

points behind last year and 5 points behind the 5-year average. Overall, 61 percent of the sorghum crop was reported in good to excellent condition, up 2 percentage points from last week and 17 points better than the same time last year.

**Rice:** Seventeen percent of this year's rice crop was at or beyond the heading stage by week's end, 8 percentage points ahead of last year and 3 points ahead of the 5-year average. Arkansas producers reported damaged rice levees from excessive rains late last week, on top of increased detection of blast and sheath blight. Overall, 70 percent of the rice crop was reported in good to excellent condition, slightly better than both last week and the previous year.

**Other Small Grains:** By week's end, 80 percent of the oat crop was at or beyond the heading stage, slightly ahead of last year but 3 percentage points behind the 5-year average. Overall, 64 percent of the oat crop was reported in good to excellent condition, unchanged from last week but 5 percentage points above the same time last year.

By July 6, sixty-one percent of the barley was at or beyond the heading stage, 13 percentage points ahead of last year and 17 points ahead of the 5-year average. Warm, dry weather aided crop maturation in Montana, with barley heading advancing 50 percentage points for the week to reach 65 percent overall. Nationally, 68 percent of the barley crop was reported in good to excellent condition, unchanged from last week but 2 percentage points better than the same time last year.

Forty-seven percent of the spring wheat was at or beyond the heading stage by July 6, six percentage points ahead of last year but equal to the 5-year average. Spring wheat progress remains well ahead of normal in the Pacific Northwest but behind the 5-year state averages on northern Great Plains. Overall, 70 percent of the spring wheat was reported in good to excellent condition, slightly below the previous week but 2 percentage points higher than the same time last year.

**Other Crops:** Forty-four percent of this year's peanut crop was at or beyond the pegging stage by week's end, 9 percentage points ahead of last year and 5 points ahead of the 5-year average. Peanut conditions continue to deteriorate in Alabama due to persistent rainfall. Overall, 70 percent of the peanut crop was reported in good to excellent condition, down 2 percentage points from last week but 3 percentage points above the same time last year.

Sunflower producers had planted 98 percent of the nation's crop by July 6, five percentage points ahead of last year and slightly ahead of the 5-year average. In North Dakota, 84 percent of the sunflower crop was reported in good to excellent condition.

## Crop Progress and Condition

### Week Ending July 6, 2014

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Soybeans Percent Emerged				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	91	85	90	95
IL	96	95	100	97
IN	98	96	99	97
IA	94	99	100	98
KS	95	89	92	97
KY	81	79	92	92
LA	97	96	97	99
MI	100	100	100	100
MN	96	95	98	99
MS	100	93	96	100
MO	89	94	97	92
NE	100	100	100	100
NC	72	85	91	88
ND	95	99	100	99
OH	100	95	100	99
SD	99	96	100	99
TN	76	71	78	90
WI	92	95	99	98
18 Sts	94	94	98	97
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Blooming				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	24	36	47	39
IL	8	9	29	17
IN	8	14	30	18
IA	3	6	21	26
KS	4	5	16	14
KY	3	5	16	19
LA	50	62	77	66
MI	18	1	12	16
MN	4	2	13	18
MS	53	39	53	72
MO	2	5	14	11
NE	17	21	39	21
NC	2	5	18	7
ND	0	6	12	16
OH	6	1	10	16
SD	7	15	39	19
TN	4	9	18	24
WI	0	0	5	7
18 Sts	9	10	24	21
These 18 States planted 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	4	9	30	39	18
IL	1	4	20	56	19
IN	1	4	24	55	16
IA	2	6	19	55	18
KS	1	2	35	54	8
KY	1	3	15	63	18
LA	2	7	18	49	24
MI	1	5	22	58	14
MN	2	6	31	53	8
MS	0	6	24	49	21
MO	0	3	21	61	15
NE	1	4	22	57	16
NC	1	4	30	55	10
ND	0	2	18	63	17
OH	2	5	23	60	10
SD	1	3	20	67	9
TN	0	3	17	64	16
WI	1	3	19	54	23
18 Sts	1	4	23	57	15
Prev Wk	1	4	23	57	15
Prev Yr	2	5	26	55	12

Corn Percent Silking				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
CO	3	2	3	4
IL	7	4	28	30
IN	0	2	14	19
IA	0	0	4	10
KS	11	18	35	31
KY	14	18	46	36
MI	2	0	2	4
MN	0	0	1	7
MO	14	19	47	39
NE	1	1	8	14
NC	86	67	80	91
ND	0	2	4	3
OH	4	1	4	12
PA	4	0	3	11
SD	0	2	5	4
TN	56	25	56	71
TX	67	57	80	67
WI	0	0	0	3
18 Sts	6	5	15	18
These 18 States planted 91% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	1	5	26	47	21
IL	1	3	16	53	27
IN	1	5	19	53	22
IA	2	5	17	53	23
KS	2	6	34	47	11
KY	1	3	14	59	23
MI	1	3	14	62	20
MN	2	7	27	50	14
MO	0	2	17	52	29
NE	2	5	21	52	20
NC	3	11	29	45	12
ND	0	2	18	59	21
OH	1	4	20	55	20
PA	0	2	17	50	31
SD	1	2	17	67	13
TN	0	5	16	55	24
TX	0	4	30	47	19
WI	1	5	17	52	25
18 Sts	1	4	20	54	21
Prev Wk	1	4	20	55	20
Prev Yr	2	6	24	51	17

Rice Percent Headed				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	0	5	11	7
CA	0	4	6	0
LA	44	31	57	49
MS	2	2	4	15
MO	0	2	5	1
TX	46	12	20	42
6 Sts	9	9	17	14
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	1	7	30	47	15
CA	0	5	15	50	30
LA	0	1	19	57	23
MS	0	0	18	62	20
MO	0	3	32	46	19
TX	0	3	44	47	6
6 Sts	0	5	25	50	20
Prev Wk	0	5	26	50	19
Prev Yr	1	4	26	43	26

**Crop Progress and Condition**

**Week Ending July 6, 2014**

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	98	87	96	100
CA	89	80	81	84
CO	15	5	22	35
ID	0	0	0	0
IL	65	55	82	79
IN	31	28	52	64
KS	83	40	70	88
MI	0	0	1	13
MO	81	49	83	91
MT	0	0	0	0
NE	10	0	13	26
NC	73	85	94	94
OH	8	2	20	43
OK	93	89	95	96
OR	0	0	2	1
SD	0	0	0	7
TX	82	77	85	90
WA	0	0	0	0
18 Sts	55	43	57	60
These 18 States harvested 86% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	2	10	22	49	17
CA	0	10	10	30	50
CO	27	13	22	30	8
ID	0	2	15	65	18
IL	2	8	34	41	15
IN	2	7	26	51	14
KS	28	33	27	11	1
MI	3	13	27	48	9
MO	3	11	38	42	6
MT	2	6	28	50	14
NE	6	14	31	45	4
NC	1	4	21	60	14
OH	1	4	25	57	13
OK	48	28	19	5	0
OR	9	12	35	38	6
SD	0	4	24	64	8
TX	31	32	22	13	2
WA	7	21	42	28	2
18 Sts	22	22	25	26	5
Prev Wk	22	22	26	25	5
Prev Yr	24	18	24	26	8

Spring Wheat Percent Headed				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
ID	64	61	84	50
MN	57	16	36	67
MT	31	26	44	28
ND	29	14	35	40
SD	81	57	81	83
WA	89	80	96	76
6 Sts	41	26	47	47
These 6 States planted 99% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	0	0	32	56	12
MN	5	9	36	45	5
MT	1	3	36	52	8
ND	1	2	14	66	17
SD	0	1	18	67	14
WA	6	23	49	21	1
6 Sts	2	4	24	58	12
Prev Wk	1	4	25	59	11
Prev Yr	1	4	23	59	13

Cotton Percent Squaring				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AL	80	49	60	65
AZ	85	65	75	73
AR	95	84	98	90
CA	91	60	80	69
GA	50	55	73	63
KS	15	5	21	39
LA	86	69	82	90
MS	65	57	73	82
MO	32	51	59	60
NC	59	42	70	74
OK	20	54	58	30
SC	31	57	68	52
TN	38	50	62	63
TX	40	18	36	52
VA	59	34	43	56
15 Sts	49	36	53	60
These 15 States planted 98% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AL	5	4	11	12
AZ	30	20	31	30
AR	7	3	8	28
CA	31	10	25	21
GA	10	5	18	21
KS	0	0	0	2
LA	13	19	39	45
MS	5	12	18	25
MO	0	0	0	8
NC	2	1	9	13
OK	2	0	25	2
SC	1	20	25	9
TN	0	4	8	6
TX	11	7	9	14
VA	0	0	0	7
15 Sts	9	7	12	16
These 15 States planted 98% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	2	34	54	10
AZ	0	0	16	47	37
AR	0	7	23	45	25
CA	0	0	20	25	55
GA	0	5	29	54	12
KS	2	4	40	48	6
LA	0	1	14	65	20
MS	0	2	27	57	14
MO	0	3	39	54	4
NC	1	3	24	61	11
OK	0	5	37	56	2
SC	0	5	31	59	5
TN	1	6	24	55	14
TX	8	14	37	30	11
VA	0	0	2	95	3
15 Sts	4	9	32	42	13
Prev Wk	4	9	34	41	12
Prev Yr	9	15	32	34	10

## Crop Progress and Condition

### Week Ending July 6, 2014

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Sorghum Percent Planted				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	100	100	100	100
CO	99	98	100	97
IL	98	88	93	89
KS	100	91	97	99
LA	100	100	100	100
MO	97	96	100	98
NE	100	100	100	100
NM	89	66	90	94
OK	95	82	91	96
SD	100	96	100	100
TX	99	97	100	98
11 Sts	100	93	98	99
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Headed				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	24	17	42	53
CO	2	0	0	5
IL	5	1	12	6
KS	0	0	1	1
LA	69	75	87	84
MO	1	10	17	5
NE	0	1	3	0
NM	1	0	0	1
OK	4	2	14	8
SD	0	0	5	1
TX	60	53	54	61
11 Sts	25	21	23	26
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AR	0	NA	0	4
CO	0	NA	0	0
IL	0	NA	0	0
KS	0	NA	0	0
LA	21	9	25	22
MO	0	NA	0	0
NE	0	NA	0	0
NM	0	NA	0	0
OK	0	NA	0	0
SD	0	NA	0	0
TX	48	35	41	52
11 Sts	19	NA	15	20
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
AR	1	6	24	47	22
CO	0	16	57	27	0
IL	2	2	17	71	8
KS	1	5	37	49	8
LA	0	2	31	52	15
MO	0	2	32	59	7
NE	0	2	37	44	17
NM	0	0	23	75	2
OK	6	6	21	56	11
SD	0	0	8	84	8
TX	2	6	29	50	13
11 Sts	1	5	33	51	10
Prev Wk	1	6	34	49	10
Prev Yr	5	12	39	38	6

Oats Percent Headed				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
IA	93	86	95	95
MN	55	38	61	76
NE	96	75	87	97
ND	34	14	30	41
OH	95	78	91	89
PA	97	65	80	92
SD	81	75	85	80
TX	100	100	100	100
WI	66	55	74	83
9 Sts	79	69	80	83
These 9 States planted 65% of last year's oat acreage.				

Oat Condition by Percent					
	VP	P	F	G	EX
IA	0	3	24	60	13
MN	1	5	28	58	8
NE	3	17	28	50	2
ND	1	1	11	79	8
OH	0	7	26	60	7
PA	1	2	21	63	13
SD	0	0	15	76	9
TX	9	19	39	26	7
WI	0	2	13	62	23
9 Sts	3	8	25	54	10
Prev Wk	3	8	25	54	10
Prev Yr	4	9	28	50	9

Peanuts Percent Pegging				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
AL	52	36	42	35
FL	47	38	60	45
GA	28	19	42	38
NC	30	41	57	52
OK	52	35	52	40
SC	37	64	72	48
TX	22	2	8	27
VA	19	21	25	29
8 Sts	35	27	44	39
These 8 States planted 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	1	45	40	14
FL	0	0	15	76	9
GA	0	3	25	59	13
NC	0	1	18	68	13
OK	0	0	39	52	9
SC	0	2	21	65	12
TX	1	9	35	48	7
VA	0	0	1	91	8
8 Sts	0	3	27	58	12
Prev Wk	0	2	26	61	11
Prev Yr	1	4	28	55	12

Sunflowers Percent Planted				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
CO	88	88	92	96
KS	96	84	92	92
ND	90	97	100	97
SD	98	85	97	99
4 Sts	93	91	98	97
These 4 States planted 83% of last year's sunflower acreage.				

**Crop Progress and Condition**

**Week Ending July 6, 2014**

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Pasture and Range Condition by Percent Week Ending Jul 6, 2014											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	2	25	56	16	NH	1	3	33	48	15
AZ	29	29	27	14	1	NJ	4	6	37	39	14
AR	1	5	22	55	17	NM	28	39	25	8	0
CA	30	45	15	5	5	NY	4	6	29	48	13
CO	12	23	24	34	7	NC	4	12	34	45	5
CT	0	4	34	62	0	ND	1	2	11	59	27
DE	2	12	36	48	2	OH	2	5	24	58	11
FL	0	4	20	69	7	OK	7	16	36	36	5
GA	0	4	35	53	8	OR	7	27	32	32	2
ID	1	4	26	59	10	PA	4	4	24	51	17
IL	1	2	26	52	19	RI	0	0	45	55	0
IN	1	5	24	53	17	SC	1	25	34	38	2
IA	1	3	22	54	20	SD	0	1	15	61	23
KS	6	16	40	35	3	TN	1	9	27	56	7
KY	2	8	32	49	9	TX	6	14	33	35	12
LA	0	6	25	56	13	UT	3	18	40	38	1
ME	0	2	46	41	11	VT	0	0	16	54	30
MD	1	3	9	66	21	VA	5	11	32	44	8
MA	0	3	31	52	14	WA	2	13	47	31	7
MI	3	6	24	47	20	WV	0	10	22	63	5
MN	1	3	16	60	20	WI	0	0	9	60	31
MS	0	5	20	57	18	WY	0	9	13	57	21
MO	0	5	36	52	7	48 Sts	5	11	28	45	11
MT	3	12	30	40	15						
NE	7	11	30	45	7	Prev Wk	4	11	27	47	11
NV	15	15	40	25	5	Prev Yr	11	16	24	39	10

Barley Percent Headed				
	Prev Year	Prev Week	Jul 6 2014	5-Yr Avg
ID	57	68	82	51
MN	55	17	43	65
MT	62	15	65	41
ND	22	12	34	38
WA	85	77	94	74
5 Sts	48	31	61	44
These 5 States planted 77% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	0	0	14	72	14
MN	5	10	39	42	4
MT	0	4	43	41	12
ND	0	2	18	68	12
WA	4	14	46	35	1
5 Sts	0	3	29	57	11
Prev Wk	0	3	29	56	12
Prev Yr	1	3	30	55	11

VP - Very Poor; P - Poor; F - Fair; G - Good; EX - Excellent  
 NA - Not Available; \*Revised

## State Agricultural Summaries

*These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Crop Progress and Condition Reports published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop reports are available on the Internet through the NASS Home Page on the World Wide Web at <http://www.nass.usda.gov>.*

**ALABAMA:** Days suitable for fieldwork was 4.8. Topsoil moisture 2% very short, 11% short, 70% adequate, 17% surplus. Subsoil moisture 2% very short, 9% short, 75% adequate, 14% surplus. Corn silking 77%, 53% last week, 63% 2013, 72% avg. Corn dough 24%, 7% last week, 19% 2013, 22% avg. Corn dent 2%, na% last week, 2% 2013, 4% avg. Corn condition 1% poor, 16% fair, 61% good, 22% excellent. Soybeans planted 89%, 82% last week, 95% 2013, 94% avg. Soybeans emerged 73%, 68% last week, 87% 2013, 84% avg. Soybeans blooming 30%, 24% last week, 13% 2013, 13% avg. Soybeans condition 17% fair, 68% good, 15% excellent. Winter wheat harvested 83%, 63% last week, 97% 2013, 93% avg. Hay harvested first cutting 95%, 92% last week, 98% 2013, and 96% avg. Livestock condition 1% very poor, 2% poor, 23% fair, 60% good, 14% excellent. Pasture and range condition 1% very poor, 2% poor, 24% fair, 57% good, 16% excellent. The week's average mean temperatures ranged from 75.9 F in Haleyville to 80.7 F in Montgomery; total precipitation ranged from 0.03 inches in Bessemer to 2.85 inches in Haleyville. Shower patterns continued across Alabama last week with most of the state receiving significant rainfall. Continued rain has caused ongoing delays in planting progress; however most row crop planting was winding down. Soybean planting was about a week behind the 5-year average. Winter wheat harvest continued to lag, interrupted by showers, pushing beans planted after wheat further behind schedule. There were some reports of unharvested wheat turning black and sprouting due to excessive moisture. Also, some vegetable crops had been affected by too much rain. On the bright side, hay yields from the first cutting have been very good. Condition of most row crops remained in good condition. Peanut condition deteriorated some due to the persistent rainfall. Livestock, pasture, and range continued to be rated mostly good.

**ALASKA:** Days suitable for fieldwork 5.0. Topsoil moisture 10% short, 90% adequate. Subsoil moisture 10% short, 90% adequate. Barley in-boot 15%. Oats pre-boot 100%. Potatoes emerged 90%. First cutting hay 5% complete. Barley condition 5% very poor, 25% poor, 50% fair, 20% good. Oat condition 5% very poor, 25% poor, 40% fair, 30% good. All hay condition 20% poor, 50% fair, 30% good. Wind and rain damage to crops 98% none, 2% light. Rate of crop growth 75% moderate, 25% rapid. The main farm activities for the week were harvesting hay and preparing for hay harvest, weed control, field cultivation, farm and fence maintenance.

**ARIZONA:** Days suitable for field work 7.0 days. Topsoil moisture 3% very short, 35% short, 62% adequate, 0% surplus. Subsoil moisture 10% very short, 33% short, 57% adequate, 0% surplus. Cotton squaring is 65 percent complete compared to 78 percent last year and 63 percent for the 5-year average, with conditions rated mostly good to excellent. Bolls setting is at 20 percent, depending on location, compared to 17 percent last year and 19 percent for the 5-year average. Conditions for cotton were 19% fair, 47% good, and 34% 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 conditions are mostly good to fair, with 78 percent harvested compared to 95 percent last year and 64 percent for the 5-year average. Durum Wheat conditions are mostly excellent to good, with 70 percent harvested compared to 85 percent last year and 56 percent for the 5-year average. Winter Wheat conditions are excellent to fair, depending on location, with 40 percent harvested, compared to 9 percent last year and the 5-year average. Watermelons, cantaloupes, honeydews, onions and potatoes show

movement this week. Drought conditions are worsening throughout the State, with reports of severe lack of forage and dry stock tanks. Range and Pastures were rated mostly very poor to fair condition, depending on location. Conditions were 29% very poor, 29% poor, 27% fair, 14% good and 1% excellent.

**ARKANSAS:** Days suitable for fieldwork 5.1. Topsoil moisture 0% very short, 13% short, 59% adequate, 28% surplus. Subsoil moisture 1% very short, 10% short, 69% adequate, 20% surplus. Corn reached 80% silking, 54% last week, 76% previous year, 83% 5-year average; 20% doughing, 6% last week, 7% last year, 24% 5-year average. Corn condition 1% very poor, 3% poor, 22% fair, 52% good, and 22% excellent. Winter wheat reached 87% harvested, 62% last week, 90% last year, 97% 5-year average. Pasture condition 1% very poor, 5% poor, 23% fair, 53% good, 18% excellent. Livestock condition 0% very poor, 2% poor, 20% fair, 65% good, and 13% excellent. Most of the state received rainfall during the end of last week. Producers continued to plant and harvest crops as weather permitted.

**CALIFORNIA:** Days suitable for field work was 5.8 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. High pressure over California at the start of the week brought dry and warm conditions to the northern part of the State, while gusty westerly winds cooled temperatures somewhat in the southern region. By Wednesday, an upper level disturbance approached the State, bringing scattered showers to the northern California coast, and reducing temperatures across most of the State. Showers persisted along the north coast on Wednesday as a weak cold front moved across the northern half of the State. This front managed to spread showers into the Sierra Nevada on Thursday. By Friday, a few residual showers lingered on the north coast, while the rest of the northern portion of the State saw dry conditions and warming temperatures. Building high pressure resulted in drier and warmer weather for all of the State by Friday. This pattern continued through the weekend, with the warmest temperatures of the week occurring on Sunday. In Stanislaus and Tulare Counties, early planted corn is in the tasseling stage and the planting of corn silage is almost complete. Alfalfa fields are being harvested. Some spraying for worms in a few alfalfa fields was conducted. Wheat harvest for grain was complete and wheat straw was baled. In San Bernardino County, cotton is squaring nicely and lygus counts are low. In the lower San Joaquin Valley, cotton is blooming in more areas this past week due to the warm weather. Cotton continues to develop very well with blooms appearing in fields as far north as Merced County. In San Mateo County, baled fields of hay and oat hay fields appear about ready for pickup. Potatoes were harvested in San Joaquin Valley. Orchards and vineyards were being sprayed and irrigated. Early clingstone peach harvest continued. Apricot, nectarine, freestone peach, and plum harvests continued with many mid-season varieties. Prune fruit continued to develop. Fuyu persimmons were thinned. Grape growers pulled leaves in the vineyards to allow for better air flow and sunlight. Table grape harvest was ongoing in the Coachella Valley. Fig harvest continued in Merced County. Olive bloom finished and fruit was sizing normally. Apples and pomegranates were increasing in size. Blueberry harvest was slowing. Valencia orange harvest remained active. Ruby Red grapefruit was harvested. Growers monitored for citrus re-greening disease. Almond growers increasingly applied hull split sprays, as hull split was expected soon. Walnut orchards were sprayed for sunburn. Pistachio nuts were filling; growers sprayed for Navel

Orangeworm. Sweet Corn, tomatoes, cucumbers, squash, zucchini, eggplant and peppers harvests remained active in Tulare County. Strawberry and blueberry harvest neared completion. Tomatoes finished set in Merced County. Harvest began on early tomato fields in Kings County. Lettuce and broccoli were harvested in Fresno County. Sweet Corn progressed well in the Imperial Valley. Brussels sprouts and pumpkins progressed in San Mateo and leeks were harvested. Onions, potatoes, sweet corn and watermelons were harvested in San Joaquin County. In Stanislaus County, tomato plantings were finished, broccoli was planted and picked, and cantaloupe harvest will begin next week on early plantings. Blueberries and strawberries were harvested. Range and non-irrigated pasture were primarily in poor to very poor condition. Cattle and sheep grazed on idle fields, dry land grain and alfalfa fields. Supplemental feeding of livestock increased as availability of quality range continued to diminish. Bees were active in sunflower fields.

**COLORADO:** Days suitable for field work 5.7 days. Topsoil moisture 16% very short, 34% short, 47% adequate, 3% surplus. Subsoil moisture 25% very short, 27% short, 47% adequate, 1% surplus. Spring barley headed 37% this week, 19% last week, 58% last year, 57% average; coloring 6% this week, none last week, none last year, 5% average; condition 2% very poor, 2% poor, 13% fair, 56% good, 27% excellent. Spring wheat headed 43% this week, 34% last week, 65% last year, 52% average; coloring 5% this week, 4% last week, none last year, 4% average; condition 3% poor, 36% fair, 60% good, 1% excellent. Winter wheat coloring 84% this week, 52% last week, 74% last year, 80% average; mature 29% this week, none last week, 21% last year, 37% average; harvested 5% this week, none last week, 6% last year, 22% average; condition 27% very poor, 13% poor, 22% fair, 31% good, 7% excellent. Corn silking 2% this week, last week not available, 1% last year, 1% average; condition 1% very poor, 5% poor, 27% fair, 46% good, 21% excellent. Dry beans emerged 85% this week, 65% last week, 81% last year, 80% average; condition 69% fair, 27% good, 4% excellent. Onion condition 1% poor, 16% fair, 70% good, 13% excellent. Potatoes fall inside SLV condition 4% very poor, 10% poor, 29% fair, 47% good, 10% excellent. Potatoes fall outside SLV emerged 96% this week, 94% last week, 100% last year, 94% average; condition 1% poor, 24% fair, 62% good, 13% excellent. Sorghum planted 98% this week, 78% last week, 94% last year, 93% average; emerged 61% this week, 41% last week, 63% last year, 66% average; condition 9% poor, 62% fair, 28% good, 1% excellent. Sugarbeets condition 1% very poor, 4% poor, 20% fair, 57% good, 18% excellent. Sunflowers planted 88% this week, 76% last week, 75% last year, 90% average; condition 29% poor, 46% fair, 22% good, 3% excellent. Alfalfa progress 1st cutting 85% this week, 72% last week, 81% last year, 85% average; 2nd cutting 9% this week, 6% last week, 4% last year, 7% average; condition 3% very poor, 9% poor, 27% fair, 45% good, 16% excellent. Livestock condition 2% poor, 23% fair, 65% good, 10% excellent. Pasture and range conditions 12% very poor, 23% poor, 24% fair, 34% good, 7% excellent. Eastern Colorado received isolated precipitation with locally heavy accumulations in some areas. Some crop damage was indicated by reporters as a result of localized hail storms common in parts of the northeast and eastern districts. Conditions were warm and dry elsewhere, spurring crop development while allowing producers to focus on hay cuttings and planting activities. Dry conditions felt throughout the majority of Colorado have depleted moisture reserves across the state. Reporters indicated producers relying on surface water within the San Luis Valley have seen irrigation ditches shut off.

**DELAWARE:** Days suitable for fieldwork, 6. Topsoil moisture; 9% very short, 26% short, 65% adequate and 0% surplus. Subsoil moisture; 4% very short, 11% short, 85% adequate and 0% surplus. Alfalfa condition; 0% very poor, 2% poor, 13% fair, 80% good, 5% excellent. Apples condition; 3% very poor, 6% poor, 25% fair, 61% good, 5% excellent. Barley condition; 2% very poor, 3% poor, 18% fair, 71% good, 6% excellent. Cherry condition; 8% very poor, 14% poor, 31% fair, 41% good, 6% excellent. Corn condition; 3% very

poor, 7% poor, 14% fair, 68% good, 8% excellent. Other hay condition; 0% very poor, 3% poor, 19% fair, 72% good, 6% excellent. Pasture and Range Condition; 2% very poor, 5% poor, 23% fair, 65% good, and 5% excellent. Peaches condition; 3% very poor, 7% poor, 24% fair, 59% good, 7% excellent. Soybean condition; 0% very poor, 3% poor, 11% fair, 69% good, 17% excellent. Wheat conditions; 3% very poor, 5% poor, 21% fair, 64% good, 7% excellent. Alfalfa 2nd cutting; 25% this year, 57% last year, 53% five year average. Barley Coloring; 87% this year, N/A last year, N/A five year average. Barley Mature; 72% this year, N/A last year, N/A five year average. Barley Harvested; 42% this year, 87% last year, 85% five year average. Cantaloupe Planted; 96% this year, 98% last year, 97% five year average. Cucumbers Planted; 76% this year, 81% last year, 79% five year average. Green Peas Harvest; 81% this year, 89% last year, 91% five year average. Lima Beans planted; 72% this year, 55% last year, 72% five year average. Other hay 2nd cutting; 12% this year, 46% last year, 43% five year average. Snap Beans planted; 75% this year, 86% last year, 85% five year average. Soybean planted; 87% this year, 80% last year, 88% five year average. Soybean emerged; 75% this year, 67% last year, 75% five year average. Strawberries Harvested; 73% this year, N/A last year, N/A five year average. Sweet Corn Planted; 95% this year, 98% last year, 94% five year average. Tomatoes Planted; 90% this year, 98% last year, 99% five year average. Winter Wheat Coloring; 95% this year, 99% last year, 100% five year average. Winter Wheat Mature; 60% this year, N/A last year, N/A five year average. Winter Wheat Mature; 7% this year, 0% last year, 50% five year average. Hay and Roughage Supplies; 2% very short, 5% short, 81% adequate and 12% surplus. Field activities for the week include cutting hay, planting, and applying fertilizer.

**FLORIDA:** Days suitable for field work; 6.2. Topsoil moisture, 15% short, 79% adequate, 6% surplus. Subsoil moisture 2% very short, 15% short, 79% adequate, 4% surplus. Late planting of soybeans continued in Panhandle. Hay being cut in Panhandle, north Florida; too wet in central Florida to cut hay. Peanut condition, 13% fair, 80% good, 7% excellent. Peanut pegging at 39%. Watermelon harvest completed Gilchrist County, underway in Jackson County. Vegetable harvesting; potatoes, cantaloupe, tomatoes, sweet corn. Vegetable crops being harvested Miami-Dade County; okra, boniato, malanga. Vegetables and fruits coming to market, cantaloupe, sweet corn, tomatoes, watermelons. Pasture condition 1% poor, 21% fair, 72% good, 6% excellent. Cattle condition 2% poor, 18% fair, 73% good, 7% excellent. Cattle, pasture conditions generally good. Flies plaguing livestock. Rainfall in citrus producing area widespread, all stations received some precipitation. Daytime highs mid 90s in all citrus producing counties. Per U.S. Drought Monitor, Florida drought free. Next season's crop progressing well. Growers, caretakers applying nutritional, post bloom sprays, fertilizing, irrigating, mowing, resetting new trees.

**GEORGIA:** Days suitable for fieldwork 5.8. Topsoil moisture 2% very short, 30% short, 59% adequate, 9% surplus. Subsoil moisture 2% very short, 24% short, 68% adequate, 6% surplus. Range and pasture condition 0% very poor, 3% poor, 34% fair, 55% good, 8% excellent. Blueberries harvested 83%, 81% 2013. Corn condition 0% very poor, 6% poor, 28% fair, 55% good, 11% excellent. Hay 2nd Cutting 23%, 22% 2013. Oats harvested 98%, 97% 2013. Peach condition 1% very poor, 2% poor, 12% fair, 83% good, 2% excellent. Peaches harvested 60%, 63% 2013. Rye Harvested 96%, 95% 2013. Sorghum condition 0% very poor, 1% poor, 32% fair, 64% good, 3% excellent. Sorghum planted 82%, 78% 2013. Soybean condition 0% very poor, 1% poor, 22% fair, 71% good, 6% excellent. Soybeans planted 91%, 80% 2013. Tobacco condition 1% very poor, 3% poor, 35% fair, 44% good, 17% excellent. Watermelon condition 2% very poor, 3% poor, 30% fair, 56% good, 9% excellent. Watermelon harvested 34%, 33% 2013. Winter wheat harvested 96%, 90% 2013. Precipitation estimates for the state ranged from 0.2 inches up to 7.5 inches. Average high temperatures ranged from the high 80s to the high

90s. Average low temperatures ranged from the high 60s to the mid 70s.

**HAWAII:** Days suitable for fieldwork 7.0. Topsoil moisture 0% very short, 21% short, 79% adequate, 0% surplus. On June 27, the U.S. Drought Monitor reported that 21.15 percent of the State was abnormally dry or drier, unchanged from the previous week. On the Big Island, the light and steady moisture received along the windward coasts helped to maintain various crops without irrigation. Papaya crops were observed to be progressing well in the Puna district. Kau district was mostly dry throughout the week with some light precipitation recorded late in the week. Pastures in the southern part of the island were in mostly good condition but are going to need steady moisture to maintain good conditions with the approach of the warm summer time weather. Pastures in upper portions of South Kohala and North Kohala were mostly green and in good condition from the morning and evening showers which were received throughout the week. The sunny weather and clear skies allowed for various field activities island-wide including maintenance, pruning and harvesting. On Maui, warm temperatures and mostly sunny skies benefitted growth and development of most crops this week. The windward and mountain area received increased passing rainfall brought by the normal trade winds. The upper elevation areas of Haiku and Makawao also received a fair amount of rainfall later in the week. The central area of the island received some light precipitation. South facing areas of Kula, Kihei and along the Lahaina coastline continued to dry out from the decreased amount of rainfall compared to earlier in the year. Irrigation water for Maui was available, however ditch flows and the rate of replenishment of upper elevation reservoirs have decreased. This is attributed mainly to decreased rainfall over the watershed areas and the east side of Maui. Normal field activities continued this week. There was active planting and harvesting of most crops, especially in the central section of the island.

**IDAHO:** Days suitable for field work 5.9 days. Topsoil moisture 7% very short, 16% short, 77% adequate. Subsoil moisture 8% very short, 16% short, 76% adequate. Winter wheat condition 3% poor, 19% fair, 63% good, 15% excellent. Barley headed 68%, 42% 2013, 32% avg. Barley condition 14% fair, 72% good, 14% excellent. Corn condition 98% good, 2% excellent. Dry beans condition 11% fair, 84% good, 5% excellent. Hay alfalfa first cutting 87%, 87% 2013, 77% avg. Hay alfalfa second cutting 9%, 6% 2013, 5% avg. Potatoes condition 3% fair, 82% good, 15% excellent. Spring wheat headed 61%, 41% 2013, 30% avg. Spring wheat condition 28% fair, 61% good, 11% excellent. Irrigation water supply conditions 5% poor, 35% fair, 52% good, 8% excellent. Pasture and range conditions 3% poor, 29% fair, 56% good, 12% excellent. Temperatures for the week ranged from 8 degrees below normal to 3 degrees below normal, and the majority of the weather stations reported some level of precipitation. Most precipitation was received by the Panhandle with above normal precipitation levels for the week ending June 29. Major agricultural activities included irrigation, feeding livestock, spraying, and harvesting hay. Hay harvesting was in full swing throughout the state, but rain that was received slowed down timing for harvest activities. In the Magic Valley second cutting of alfalfa hay was in progress. Franklin County reported cooler than normal temperatures which impacted the development of corn for the county. Irrigation water supplies continued to do well with reports indicating conditions as fair and good across the state.

**ILLINOIS:** Days suitable for fieldwork 4.0. Topsoil moisture 4% short, 78% adequate, 18% surplus. Subsoil moisture 1% very short, 11% short, 80% adequate, 8% surplus. Statewide precipitation averaged 1.48 inches, 0.51 inches above normal. Statewide temperature averaged 75.7 degrees, 1.5 degrees above average. Warm conditions and scattered showers continued as precipitation ranged from less than one inch in the northeast to 2.3 inches in the southwest.

**INDIANA:** Days suitable for fieldwork, 3.4. Topsoil moisture 6% short, 68% adequate, 26% surplus. Subsoil moisture 5% short, 76% adequate, 19% surplus. Winter wheat coloring 93%. Winter wheat mature 59%. Alfalfa hay first cutting 94%, 2013 96%, 5ya 95%. Alfalfa hay second cutting 12%, 2013 6%, 5ya 25%. Other hay first cutting 93%. Other hay second cutting 11%. By region, winter wheat mature was 90% in South, 58% in Central, and 23% in North. Winter wheat harvested was 64% in South, just 9% in Central, and still sitting at 0% for North region. Soybeans blooming was 22% in Central, followed by 12% in North and just 3% in South. Average temperatures ranged from 71 to 80 degrees, or one to eight degrees above normal. The lowest recorded temperature for the week was 59 degrees; the highest, 94 degrees. The statewide average temperature for the week was 75.9 degrees, 3.0 degrees above normal. Recorded precipitation ranged from 0.25 to 3.55 inches, with a statewide average of 1.47 inches. Farmers were thinking "more of the same" this week, as warm and wet weather continued to make fields difficult to work and hay a challenge to dry, especially in the North of the state. Despite heavy downpours on Monday, necessity saw a fair amount of spraying, sidedressing and hay cutting being conducted this week, especially over the weekend. Conditions were excellent for the growth of all crops and pasture, although rains in counties hit hardest by storms have knocked down a small part of the wheat crop. Weeds were growing vigorously as well in many places, with weeks of rain having delayed herbicide spraying past usual. Head blight in wheat has been reported in the South of the state, leading some farmers to prep for fungicide application. Other activities included certifying acres with the FSA and mowing roadsides.

**IOWA:** Days suitable for fieldwork 2.2. Topsoil moisture 0% very short, 3% short, 61% adequate, and 36% surplus. Subsoil moisture 1% very short, 9% short, 68% adequate, and 22% surplus. Alfalfa 1st cutting 90%, 87% 2013, 87% average. All hay condition 1% very poor, 5% poor, 26% fair, 52% good, 16% excellent. Recurring precipitation continued to limit fieldwork in Iowa during the week. A few producers were able to do a little spraying and herbicide application between storms. With the exception of southeast Iowa, over one-quarter of the State's topsoil was in surplus condition. Livestock conditions were reported as good except for dealing with increased insect pressure and flooded pastures and feedlots.

**KANSAS:** Days suitable for fieldwork 3.1. Topsoil moisture supplies rated 7% very short, 14% short, 71% adequate, and 8% surplus. Subsoil moisture supplies rated 15% very short, 30% short, 53% adequate, and 2% surplus. Winter wheat coloring 96%, 97% 2013, 99% avg. Winter wheat mature 84%, 80% 2013, 89% avg. Sorghum emerged 72%, 81% 2013, 82% avg. Sunflowers emerged 68%, 67% 2013, 67% avg. Hay alfalfa conditions 4% very poor, 13% poor, 44% fair, 35% good, 4% excellent. Hay alfalfa second cutting 39%, 26% 2013, 54 avg. Stock water supplies were rated 8% very short, 15% short, 74% adequate, and 3% surplus. Thunderstorms brought widespread rainfall over several days and some hail damage to crops in northwest Kansas. The rain and high humidity limited wheat harvest last week, but was beneficial for row crops and pastures. Less than two inches of rain was common in the east and northeast, two to four inches in the south and central, and some areas in western Kansas reported over six inches of total rainfall. Temperatures were cooler than normal across the State. Growing weeds in thin standing wheat was becoming a big issue, with some farmers electing to spray.

**KENTUCKY:** Days suitable fieldwork 5.2. Topsoil 4% very short, 24% short, 64% adequate, 8% surplus. Subsoil moisture 3% very short, 23% short, 66% adequate, 8% surplus. Precipitation averaged 0.95 inches, 0.05 inches below normal. Temperatures averaged 77 degrees, 2 degrees above normal. Soybeans planted 93%, 86% 2013, 93% average. Soybean average height 10 inches. Winter wheat mature 96%; harvested 71%, 61% 2013, 78% average. Tobacco set 94%, 94% 2013, 99% average; blooming 3%. Tobacco

average height 19 inches. Tobacco set condition 1% very poor, 2% poor, 17% fair, 64% good, 16% excellent. Primary activities this week included harvesting wheat and planting soybeans.

**LOUISIANA:** Days suitable for fieldwork, 3.1. Topsoil moisture 2% very short, 7% short, 48% adequate, 43% surplus. Subsoil moisture 1% very short, 7% short, 61% adequate, 31% surplus. Corn silked 100% this week, 96% last week, 100% last year, 100% average. Corn dough 46% this week, 21% last week, 34% last year, 62% average. Corn condition 0% very poor, 0% poor, 18% fair, 65% good, 17% excellent. Winter wheat harvested 99% this week, 96% last week, 100% last year, 100% average. Sweet potatoes planted 95% this week, 85% last week, 99% last year, 95% average. Peaches harvested 55% this week, 42% last week, 48% last year, 43% average. Hay first cutting 95% this week, 91% last week, 94% last year, 97% average. Hay second cutting 20% this week 13% last week, 23% last year, 23% average. Sugarcane condition 2% very poor, 12% poor, 37% fair, 37% good, 12% excellent. Vegetables condition 1% very poor, 9% poor, 38% fair, 47% good, 5% excellent. Pasture condition 0% very poor, 6% poor, 25% fair, 57% good, 12% excellent. Livestock condition 1% very poor, 7% poor, 28% fair, 54% good, 10% excellent.

**MARYLAND:** Days suitable for fieldwork, 6.5. Topsoil moisture 2% very short, 7% short, 48% adequate, 43% surplus. Subsoil moisture; 0% very short, 8% short, 91% adequate and 1% surplus. Alfalfa condition; 1% very poor, 2% poor, 18% fair, 70% good, 9% excellent. Apples condition; 0% very poor, 1% poor, 7% fair, 85% good, 7% excellent. Barley condition; 2% very poor, 8% poor, 18% fair, 59% good, 13% excellent. Cherry condition; 0% very poor, 9% poor, 10% fair, 78% good, 3% excellent. Corn condition; 1% very poor, 2% poor, 19% fair, 62% good, 16% excellent. Other hay condition; 1% very poor, 4% poor, 19% fair, 71% good, 5% excellent. Pasture and Range Condition; 0% very poor, 2% poor, 9% fair, 66% good, and 23% excellent. Peaches condition; 0% very poor, 3% poor, 12% fair, 78% good, 7% excellent. Soybean condition; 0% very poor, 2% poor, 12% fair, 73% good, 13% excellent. Wheat conditions; 1% very poor, 7% poor, 13% fair, 66% good, 13% excellent. Alfalfa 1st cutting; 95% this year, N/A last year, N/A five year average. Alfalfa 2nd cutting; 69% this year, 71% last year, 68% five year average. Barley Coloring; 97% this year, 99% last year, 96% five year average. Barley Mature; 97% this year, N/A last year, N/A five year average. Barley Harvested; 80% this year, 88% last year, 92% five year average. Corn Emerged; 98% this year, N/A last year, N/A five year average. Corn Silking; 11% this year, 6% last year, 10% five year average. Cucumbers Planted; 96% this year, 100% last year, 87% five year average. Cucumbers Harvested 11% this year, 12% last year, 18% five year average. Green Peas Harvest; 88% this year, 84% last year, 93% five year average. Lima Beans planted; 50% this year, 100% last year, 82% five year average. Other hay 1st cutting; 80% this year, 97% last year, 98% five year average. Other hay 2nd cutting; 17% this year, 23% last year, 43% five year average. Snap Beans planted; 85% this year, 92% last year, 88% five year average. Snap Beans harvested; 14% this year, 3% last year, 8% five year average. Soybean planted; 86% this year, 90% last year, 86% five year average. Soybean emerged; 71% this year, 77% last year, 80% five year average. Strawberries Harvested; 96% this year, N/A last year, N/A five year average. Sweet Corn Planted; 96% this year, 95% last year, 94% five year average. Tomatoes Planted; 83% this year, 99% last year, 97% five year average. Tomatoes Harvested; 6% this year, 4% last year, 4% five year average. Winter Wheat Coloring; 99% this year, 100% last year, 100% five year average. Winter Wheat Mature; 70% this year, N/A last year, N/A five year average. Hay and Roughage Supplies; 2% very short, 16% short, 81% adequate and 1% surplus. Field activities for the week include cutting hay, planting, and applying fertilizer.

**MICHIGAN:** Days suitable for fieldwork 4.4. Topsoil moisture 4% short, 73% adequate, 23% surplus. Subsoil moisture 5% short, 72%

adequate, 23% surplus. Dry edible beans planted 96%, 96% last year and 97% five-year average. Dry edible beans emerged 89%, 80% last year and 83% five-year average. Dry beans condition 1% poor, 21% fair, 61% good, 17% excellent. Winter wheat coloring 74%. Winter wheat mature 7%. Oats headed 83%, 58% last year, and 71% five-year average. Oats condition 1% poor, 29% fair, 55% good, 15% excellent. Barley planted 98%, barley emerged 95%, barley headed 31%. Barley condition 2% very poor, 22% fair, 65% good, 11% excellent. Alfalfa hay first cutting 78%, Alfalfa hay second cutting 7%, other hay first cutting 66%. Precipitation for the week ending June 29 ranged between 0.07 inch and 2.13 inches in the Upper Peninsula and between 0.14 inch and 1.43 inches in the Lower Peninsula. Temperatures ranged from 42 degrees to 92 degrees, with a state average of 68.0 degrees Fahrenheit, 1.4 degrees above normal. Despite reports of a few pest issues, corn and soybean development is mostly favorable with rapid growth across the state. Alfalfa cutting is in progress, although weather conditions have made it challenging, causing delays in some regions of the state. Cucumber, yellow squash, and zucchini harvest continued in the southeast and southwest regions. There was some flooding of low areas in the southeast. Pumpkin vines were starting to bear flowers, while some watermelon, tomato, and pepper plants were bearing fruit in the southeast. Pea harvest continued in the southwest. Sweet corn responded well to the warm temperatures and soil moisture throughout the State. Pickled cucumber planting continued in the central region. For most crops, disease and pest pressure has been light, but conditions are growing more favorable to disease. Colorado Potato Beetle seem to be present in greater numbers this year in the southwest. Wet weather across the State was welcomed as fruit has been sizing; however, soils in many areas were expected to dry out quickly. Strawberry harvest continued; fruit quality has been excellent and berry size has been good where rain and/or irrigation have been in good supply, but high temperatures and high humidity have created problems in some areas related to fruit rot. Raspberries were nearing harvest for the earliest maturing varieties; while a few flower clusters became visible on fall bearing berries. Blueberries were sizing rapidly, aided by the warm, moist conditions. Grapes were at late bloom to buckshot berries for Concord and Niagara varieties. Japanese plums were at 1 to 1.25 inches while European plums were mostly at one inch; fruit drop continued in some varieties. Apricots were over an inch in diameter with hard pits and good foliage. Sweet cherries continued to look good, and harvest began in the southwest on early varieties. Tart cherry fruit were ranging in color from amber to red; crop sizes were variable across the state. Apple fruit ranged from 1.5 to 2 inches in diameter; deer feeding and fruit drop has increased. Pears were at 1 to 1.25 inches; pear psylla continued to be seen at all stages of development. Peaches were at 1.25 to 1.5 inches in diameter with pits starting to harden.

**MINNESOTA:** Days suitable for fieldwork 2.7. Topsoil moisture rated 0% very short, 0% short, 47% adequate, and 53% surplus. Subsoil moisture rated 0% very short, 0% short, 51% adequate, and 49% surplus. Conditions declined for all crops during the week as a result of excess moisture and standing water in some areas. Many farmers have been unable to get equipment into their fields, delaying fertilizer and chemical application, as well as the first cutting of alfalfa hay. Some producers were applying insecticide to their alfalfa fields in south central Minnesota.

**MISSISSIPPI:** Days suitable for field work 3.1. Topsoil moisture 0% very short, 7% short, 60% adequate, 33% surplus. Subsoil moisture 1% very short, 6% short, 66% adequate, 27% surplus. Winter wheat 92% harvested, 75% last week, 96% 2013, 99% Avg. Corn 83% silking this week, 66% last week, 69% 2013, 89% Avg. Corn 27% dough this week, 8% last week, 16% 2013, 37% Avg. Corn condition was 0% very poor, 5% poor, 25% fair, 45% good, 25% excellent. Hay, first cutting, 90% cut this week, 81% last week, 100% 2013, 100% Avg. Hay, second cutting, 11% cut this week, 0% last week, 23% 2013, 43% Avg. Hay condition was 0% very poor,

3% poor, 27% fair, 59% good, 11% excellent. Peanuts 94% planted this week, 91% last week, 100% 2013, 100% Avg. Peanuts 85% emerged this week, 83% last week, 90% 2013, 89% Avg. Peanuts 19% pegging this week, 11% last week, 57% 2013, 43% Avg. Peanuts condition was 0% very poor, 3% poor, 40% fair, 48% good, 9% excellent. Sorghum 97% planted this week, 93% last week, 100% 2013, 100% Avg. Sorghum 93% emerged this week, 89% last week, 99% 2013, 100% Avg. Sorghum 12% headed this week, 8% last week, 2% 2013, 20% Avg. Sorghum condition was 0% very poor, 3% poor, 26% fair, 58% good, 13% excellent. Sweet potatoes 69% planted this week, 50% last week, 100% 2013, 94% Avg. Sweet potatoes condition was 0% very poor, 0% poor, 30% fair, 40% good, 30% excellent. Watermelon 99% planted this week, 97% last week, 100% 2013, 100% Avg. Watermelon condition was 0% very poor, 3% poor, 22% fair, 64% good, 11% excellent. Livestock condition was 0% very poor, 3% poor, 22% fair, 56% good, 19% excellent. Pasture and range condition was 0% very poor, 5% poor, 21% fair, 56% good, 18% excellent. Blueberries condition was 0% very poor, 1% poor, 30% fair, 61% good, 8% excellent. Rain was widespread throughout the state, with most locations receiving 1 to 3 inches.

**MISSOURI:** Days suitable for fieldwork 4.1. Topsoil moisture 14% short, 72% adequate, 14% surplus. Subsoil moisture 4% very short, 25% short, 65% adequate, 6% surplus. Hay and roughage supplies 1% very short, 10% short, 82% adequate, 7% surplus. Stock water supplies 5% short, 90% adequate, 5% surplus. Temperatures averaged 75.5 degrees statewide. Rain averaged 1.60 inches statewide.

**MONTANA:** Days suitable for field work 4.5, 6.0 last year. Topsoil moisture 3% very short, 4% last year; 18% short, 12% last year; 68% adequate, 74% last year; 11% surplus, 10% last year. Subsoil moisture 4% very short, 5% last year; 20% short, 17% last year; 67% adequate, 72% last year; 9% surplus, 6% last year. Canola 95% emerged, 100% last year. Canola 52% blooming, 82% last year. Dry peas 60% blooming, 59% last year. Dry peas condition 1% very poor, 2% last year; 2% poor, 4% last year; 33% fair, 30% last year; 56% good, 59% last year; 8% excellent, 5% last year. Flaxseed 94% emerged, 100% last year. Flaxseed 21% blooming, 31% last year. Alfalfa hay – 1st cutting 28% harvested, 28% last year. Other hay – 1st cutting 23% harvested, 22% last year. Lentils 36% blooming, 23% last year. Oats 93% emerged, 100% last year. Oats 49% boot stage, 65% last year. Oats condition 0% very poor, 1% last year; 0% poor, 4% last year; 40% fair, 41% last year; 53% good, 46% last year; 7% excellent, 8% last year. Potatoes 96% planted, 100% last year. Potatoes 90% emerged, 100% last year. Durum wheat 25% boot stage, 21% last year. Durum wheat condition 1% very poor, 5% last year; 4% poor, 5% last year; 25% fair, 24% last year; 69% good, 50% last year; 1% excellent, 16% last year. Livestock grazing 95% open, 97% last year; 4% difficult, 2% last year; 1% closed, 1% last year. Livestock moved to summer ranges – cattle and calves 95%, 97% last year. Livestock moved to summer ranges – sheep and lambs 95%, 97% last year. Much of Montana experienced heavy rain and thunderstorms followed by a few warm, sunny days during the week ending June 29. Most reporting stations reported receiving precipitation this week and Miles City received the highest amount of precipitation at 2.65 inches of moisture. The high temperatures for Montana ranged from the lower 70s to mid 80s. Low temperatures ranged from the upper 20s to lower 50s.

**NEBRASKA:** Days suitable for fieldwork, 4.0. Topsoil moisture supplies rated 2% percent very short, 14% short, 75% adequate, and 9% surplus. Subsoil moisture supplies rated 9% very short, 17% short, 70% adequate, and 4% surplus. Hay alfalfa condition rated 2% very poor, 7% poor, 35% fair, 49% good and 7% excellent. Hay alfalfa 1st cutting, 95%, 92% 2013, 95% five year average. Hay alfalfa 2nd cutting 25%, 2013 5%, 26% five year average. Dry Beans emerged, 95%, 96% 2013, 90% avg. Proso

millet planted, 55%, 100% 2013, 89% five year average. Stock water supplies rated 2% very short, 6% short, 90% adequate, and 2% surplus. Rain of an inch or more coupled with lower average temperatures provided excellent conditions for pastures and spring planted crops. Wheat was coloring in most areas, but dry down was slow due to high humidity and wet conditions. Winter wheat harvest had not yet started. Producers worked between rain events to apply herbicides and additional nitrogen to corn. Irrigation needs were limited. Repairs continued on storm damaged equipment. Alfalfa second cutting advanced but was slow due to the wet conditions.

**NEVADA:** Days suitable for fieldwork, 7. Topsoil Moisture, 20% Very Short, 25% Short, 55% Adequate. Subsoil moisture, 30% Very Short, 40% Short, 30% Adequate. Subsoil moisture declined slightly and topsoil moisture and stock water supply remained constant. There were reports of irrigation wells drying up. Range conditions were slightly worse than last week. Wildfires were reported east of Winnemucca. Potato growth progressed and corn growth was slightly ahead of schedule. Second-cutting of alfalfa was over one-third complete with the first cut virtually complete. Alfalfa condition was mostly fair-to-good but declined slightly. Winter wheat harvest progressed ahead of schedule. Main farm and ranch activities included irrigation, hay harvest, and livestock tending. Temperatures were near normal for the entire State with temperatures in Ely and Winnemucca equal to the five-year average. Las Vegas had a high of 108 degrees and Ely had a low of 38 degrees. No station reported overnight lows below freezing. The north and northeast stations of Elko, Ely, Winnemucca and Eureka experienced measurable amounts of rainfall during the week. A storm system passed through the State on Thursday and Friday that resulted in cooler temperatures and rainy weather in northern Nevada. Temperatures peaked prior to the storm system with temperatures roughly 5 degrees above normal for most of the State.

**NEW ENGLAND:** Days suitable for fieldwork, 5.5. Topsoil moisture; 1% very short, 9% short, 52% adequate and 38% surplus. Subsoil moisture; 0% very short, 7% short, 58% adequate, 35% surplus. Blueberries, wild condition (ME); 0% very poor, 0% poor, 0% fair, 50% good, 50% excellent. Blueberries, wild progress (ME); 100% full bloom, 100% petal fall. Blueberries, tame condition; 0% very poor, 0% poor, 83% fair, 14% good, 3% excellent. Blueberries, tame progress; 92% fruit set. Cranberries progress (MA); 50% full bloom. Strawberries condition; 0% very poor, 1% poor, 17% fair, 68% good, 14% excellent. Strawberries progress; 93% full bloom, 92% petal fall, 85% fruit set, 38% harvested. Corn all condition; 0% very poor, 1% poor, 50% fair, 42% good, 7% excellent. Corn all progress; 91% emerged. Hay all condition; 0% very poor, 1% poor, 6% fair, 82% good, 11% excellent. Hay all progress; 71% first cutting, 11% second cutting. Potatoes all condition; 0% very poor, 0% poor, 0% fair, 73% good, 27% excellent. Potatoes all progress; 97% emerged. Apples all condition; 2% very poor, 2% poor, 14% fair, 65% good, 17% excellent. Apples all progress; 80% fruit set. Peaches all condition; 3% very poor, 2% poor, 43% fair, 52% good, 0% excellent. Peaches all progress; 71% fruit set. Pears all condition; 0% very poor, 7% poor, 22% fair, 67% good, 4% excellent. Pears all progress; 84% petal fall, 57% fruit set. Pasture and range; 0% very poor, 1% poor, 31% fair, 52% good, 16% excellent. Sweet corn all condition; 0% very poor, 0% poor, 19% fair, 61% good, 20% excellent. Sweet corn all progress; 92% planted. CT Valley binder tobacco all progress; 61% planted. CT Valley shade tobacco all condition; 0% very poor, 0% poor, 0% fair, 100% good, 0% excellent.

**NEW JERSEY:** Days suitable for fieldwork, 7.0. Topsoil moisture; 1% very short, 13% short, 76% adequate and 10% surplus. Subsoil moisture; 0% very short, 7% short, 83% adequate and 10% surplus. Corn all progress; 98% planted and 94%

emerged. Hay Alfalfa all progress; 96% first cutting, 7% second cutting. Other Hay all progress; 87% first cutting, 0% second cutting. Soybeans all progress; 93% planted, 79% emerged. Apples all condition; 0% very poor, 0% poor, 51% fair, 48% good, 1% excellent. Corn all conditions; 0% very poor, 5% poor, 25% fair, 55% good, 15% excellent. Hay Alfalfa conditions; 1% very poor, 9% poor, 43% fair, 39% good, 8% excellent. Other Hay conditions; 0% very poor, 5% poor, 43% fair, 37% good, 15% excellent. Pasture and range conditions are; 4% very poor, 5% poor, 35% fair, 41% good, and 15% excellent. Peaches all condition; 0% very poor, 0% poor, 27% fair, 73% good, 0% excellent. Soybeans all conditions; 0% very poor, 0% poor, 22% fair, 65% good, 13% excellent. Winter Wheat conditions; 1% very poor, 4% poor, 27% fair, 61% good, 7% excellent. The following crops are being harvested in Arugula, beets, basil, carrots, cabbage, cilantro, collards, cucumbers, dill, green onions, herbs, kale, kohlrabi, lettuce, leeks, methi, radishes, summer dandelion, sugar snap peas, sweet corn, spinach, sugar snap peas, Swiss chard. Crop harvest diseases scouting and field work continue.

**NEW MEXICO:** Days suitable for fieldwork 5.4. Topsoil moisture 45% very short, 21% short and 34% adequate. Subsoil moisture 44% very short, 23% short and 33% adequate. Alfalfa second cutting 65% complete, 69% 2013, 85% avg; third cutting 28% complete, 38% 2013, 33% avg; 1% very poor, 5% poor, 32% fair, 50% good and 12% excellent. Corn emerged 94%, 77% 2013, 95% avg; silking 5%, 9% 2013, 9% avg; 5% very poor, 6% poor, 37% fair, 29% good and 23% excellent. Sorghum 66% planted, 69% 2013, 82% avg; 20% fair and 80% good. Winter wheat harvested 55% complete, 34% 2013, 63% avg; 43% very poor, 17% poor, 15% fair, 12% good and 13% excellent. Cotton 47% squaring, 34% 2013, 33% avg; setting bolls 8%, 2% 2013, 5% avg; 8% poor, 40% fair, 17% good and 35% excellent. Peanuts pegging 10%, 3% 2013, 13% avg; 3% very poor, 24% poor, 66% fair and 7% good. Onions 55% harvested, 67% 2013, 64% avg; 14% fair, 45% good and 41% excellent. Pecans 24% fair, 56% good and 20% excellent. Cattle 3% very poor, 14% poor, 54% fair, 26% good and 3% excellent. Sheep 19% very poor, 25% poor, 46% fair and 10% good. Range and pasture 26% very poor, 41% poor, 25% fair and 8% good. Thunderstorms during the first part of the week occurred primarily over the central mountain chain and eastward over the plains. Conditions towards the end of the week were drier and warmer as an upper level ridge of high pressure moved into the region. Saturday several stations reported afternoon highs of over 100 degrees.

**NEW YORK:** Days suitable for fieldwork, 4.5. Topsoil moisture, 0% very short, 3% short, 70% adequate, and 27% surplus. Subsoil moisture, 0% very short, 3% short, 71% adequate, 26% surplus. Barley emerged, 96% this week and 90% last week. Barley headed, 50% this week and 26% last week. Cabbage planted, 84% this week and 80% previous week. Corn planted, 98% this week, 94% previous week, 97% last year and 99% average. Corn emerged, 88% this week and 79% last week. Corn Average Height is 12 inches this week and 8 inches last week. Hay alfalfa first cutting, 90% this week, 85% last week, 88% the previous year and 89% average. Hay alfalfa second cutting, 10% this week, 5% last week, 12% the previous year. Hay other than alfalfa first cutting, 81% this week and 73% the previous week. Hay other than alfalfa second cutting, 5% this week, 0% last week. Oats emerged, 94% this week and 91% previous week. Oats headed, 47% this week, 28% last week. Onions planted, 74% this week, 73% previous week. Snap beans planted, 73% this week, 60% previous week, 59% last year and 72% average. Soybeans planted, 93% this week, 87% previous week, 88% last year and 95% average. Soybeans emerged, 79% this week and 66% previous week. Sweet corn planted, 91% this week, 87% previous week, 85% last year and 92% average. Winter wheat booted, 95% this week and 94% last week. Winter wheat headed, 93% this week and 89% previous week 85% last year. Winter wheat harvested, 9% this

week, 9% last week, 0% last year. Apples full bloom, 95% this week, 94% previous week, 100% last year and 100% average. Peaches full bloom, 84% previous week, 80% last week, 100% last year and 100% average. Pears full bloom, 80% this week, 71% previous week, 100% last year and 100% average. Sweet cherries full bloom, 95% this week, 88% previous week, 100% last year, and 100% average. Tart cherries full bloom, 97% this week, 88% previous week, 100% last year and 100% average. Barley condition, 0% very poor, 0% poor, 8% fair, 71% good, 21% excellent. Corn condition, 0% very poor, 3% poor, 30% fair, 50% good, 17% excellent. Hay alfalfa condition, 3% very poor, 6% poor, 29% fair, 52% good, 10% excellent. Hay other than alfalfa condition, 3% very poor, 9% poor, 31% fair, 48% good, 9% excellent. Oats condition, 0% very poor, 1% poor, 20% fair, 63% good, 16% excellent. Pasture and range condition, 4% very poor, 6% poor, 29% fair, 48% good, 13% excellent. Soybeans condition, 1% very poor, 4% poor, 18% fair, 63% good, 14% excellent. Winter wheat condition, 1% very poor, 6% poor, 23% fair, 54% good, 16% 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 5.8. Topsoil moisture 5% very short, 29% short, 60% adequate and 6% surplus. Subsoil moisture 4% very short, 22% short, 68% adequate and 6% surplus. Cotton squaring was rated at 42%, peanuts pegging at 41%, corn silking at 67%, soybeans emerged at 85%, 81% and sweet potatoes at 84% planted. The second cutting of hay is underway at 38%. The state continues to experience warm conditions with temperatures 1 to 4 degrees above normal. The state received widespread rainfall with several areas receiving over an inch of precipitation due to heavy summer thunderstorms.

**NORTH DAKOTA:** Days suitable for fieldwork 3.7. Topsoil moisture 0% very short, 2% short, 64% adequate, 34% surplus. Subsoil moisture 0% very short, 1% short, 69% adequate, 30% surplus. Winter wheat jointed 96%. Winter wheat headed 70%. Winter wheat conditions 3% very poor, 12% poor, 37% fair, 44% good, 4% excellent. Durum wheat emerged 96%, 83% 2013, 87% average. Durum wheat jointed 34%, 36% 2013, 54% average. Durum wheat condition 0% very poor, 1% poor, 13% fair, 81% good, 5% excellent. Spring wheat jointed 70%, 41% 2013, 66% average. Barley jointed 74%, 40% 2013, 67% average. Oats jointed 71%, 56% 2013, 71% average. Canola blooming 27%, 0% 2013, 27% average. Canola condition 0% very poor, 1% poor, 18% fair, 65% good, 16% excellent. Flaxseed emerged 99%, 65% 2013, 86% average. Flaxseed blooming 6%, 0% 2013, 10% average. Flaxseed condition 0% very poor, 1% poor, 20% fair, 70% good, 9% excellent. Dry edible peas bloomed 29%, 0% 2013, 35% average. Dry edible peas condition 0% very poor, 3% poor, 23% fair, 65% good, 9% excellent. Dry beans emerged 94%, 74% 2013, 92% average. Dry beans blooming 4%. Dry beans condition 2% very poor, 4% poor, 22% fair, 59% good, 13% excellent. Potatoes planted 97%, 93% 2013, 99% average. Potatoes emerged 82%, 62% 2013, 88% average. Potatoes condition 10% very poor, 6% poor, 25% fair, 54% good, 5% excellent. Stock water supplies 0% very short, 1% short, 74% adequate, and 25% surplus. Cool temperatures and excessive rainfall in the western half of the state slowed fieldwork. The largest rainfall amounts of 3 to 6 inches were reported in the northwest corner of the state. Average temperatures were near normal. Producers were having a difficult time applying herbicides and cutting hay due to excessive moisture in the fields. Warm and sunny weather was needed to promote crop development.

**OHIO:** Days suitable for fieldwork 2.7. Topsoil moisture 2% short, 58% adequate, 40% surplus. Subsoil moisture 2% short, 61% adequate, 37% surplus. Winter wheat coloring 88%, NA 2013, NA avg. Winter wheat mature 13%, NA 2013, NA avg. Alfalfa hay

first cutting 85%, NA 2013, NA avg. Alfalfa hay second cutting 21%, NA 2013, NA avg. Other hay first cutting 77%, NA 2013, NA avg. Other hay second cutting 12%, NA 2013, NA avg. Rain kept producers out their fields for most of the week, and had mixed effects on the crops throughout the State. Average temperatures recorded around the State ranged from 71 to 79 degrees or one degree below to ten degrees above normal. The lowest recorded temperature was 56 degrees and the highest was 92 degrees. The statewide average temperature for the week was 74.7 degrees, 3.8 degrees warmer than normal. Recorded precipitation ranged from 0.04 to 4.93 inches, with a statewide average of 1.69 inches. With planting complete across the State, most growers focused on spraying for weeds and cutting hay as weather permitted. Some growers already finished their second cutting of hay, and others have not been able to get to their first cutting, due to the amount of rain. While the precipitation was welcomed on most farms, some crops in lower lying areas are showing stress from ponding and excessive moisture. While reports indicate that the rain had a slightly negative effect overall on corn and soybeans, the effect on wheat was harder to gauge. Pastures continue to be in good condition.

**OKLAHOMA:** Days suitable for fieldwork 4.8. Topsoil moisture 11% very short, 26% short, 59% adequate, 4% surplus. Subsoil moisture 27% very short, 37% short, 35% adequate, 1% surplus. Rye condition 24% very poor, 19% poor, 48% fair, 9% good. Canola condition 57% very poor, 28% poor, 12% fair, 3% good; harvested 96% this week, 93% last week, 94% last year, N/A% average. Alfalfa condition 8% very poor, 14% poor, 38% fair, 34% good, 6% excellent; first cutting 92% this week, 88% last week, 96% last year, 99% average; second cutting 46% this week, N/A% last week, 59% last year, 78% average. Other Hay 11% very poor, 16% poor, 45% fair, 25% good, 3% excellent; first cutting 63% this week, 59% last week, 73% last year, 73% average. Watermelons planted 73% this week, 72% last week, 100% last year, 100% average. Livestock condition 1% very poor, 5% poor, 31% fair, 55% good, 8% excellent. Pasture and range condition 8% very poor, 16% poor, 36% fair, 35% good, 5% excellent. Light showers were received across the state this past week. Average precipitation for the week ranged from 0.73 of an inch in the South Central District to 2.37 inches in the North Central District. Soil erosion continued in parts of the Panhandle while high winds and hail damage continued to impact summer crops. Statewide small grain harvest has neared completion. Winter Wheat harvested was 89 percent complete by week's end. Row crops and hay pastures progressed nicely in the Central and Northeast Districts. Overall, topsoil and subsoil moisture conditions continued to be rated mostly adequate to short, although constant winds continued to decrease soil moisture in the some areas. There were 4.8 days suitable for field work.

**OREGON:** Days suitable for field work 4.9 days. Topsoil Moisture 7% Very Short, 34% Short, 56% Adequate, 3% Surplus. Subsoil Moisture 9% Very Short, 40% Short, 50% Adequate, 1% Surplus. Range and Pasture 3% Very Poor, 21% Poor, 34% Fair, 39% Good, 3% Excellent. Winter Wheat Condition 8% Very Poor, 12% Poor, 35% Fair, 40% Good, 5% Excellent. Spring Wheat Condition 3% Very Poor, 5% Poor, 36% Fair, 53% Good, 3% Excellent. Barley Condition 3% Very Poor, 3% Poor, 52% Fair, 39% Good, 3% Excellent. Winter Wheat Harvested 0%, 0% 2013, 0% avg. Hay 1st cutting 82%, 88% 2013, 83% avg. Hay 2nd cutting 2%, - 2013, - avg. Barley Headed 78%, - 2013, - avg. Spring Wheat Headed 96%, - 2013, - avg. Field Crops Were Looking Good in Western Oregon. Days suitable for fieldwork were 4.9. Pasture and range conditions were reported to be 3% very poor, 21% poor, 34% fair, 39% good, and 3% excellent. In western Oregon winter wheat was turning color. Field corn for silage was growing and being irrigated. Most crimson clover was in windrow, while grass hay continued to be harvested. The hazelnut crop was looking good with a nice set so far. Blueberries and raspberries were at farmer's

markets. Sweet corn was growing nicely and irrigation was starting. Cherry harvest was under way but rain during the week slowed progress. Grapes were reported to be in excellent condition and were a little early at this point. Cole and kale crops were doing well. Potatoes were also growing well. Maintenance was being done on nurseries and greenhouses. Livestock was shedding and doing well. Pastures were holding well with light rains and warm weather. In eastern Oregon the second cutting of hay has been cut. In many areas the hand thinning of summer pears and apples continued, as well as other routine orchard operations.

**PENNSYLVANIA:** Days suitable for fieldwork, 4. Topsoil moisture, 0% very short, 4% short, 70% adequate, and 26% surplus. Subsoil moisture, 0% very short, 1% short, 74% adequate, 25% surplus. Corn emerged, 95% this week, 97% last year, 96% average. Barley coloring, 93% this week, n/a% last year, n/a% average. Barley mature, 82% this week, 94% last year, 97% average. Barley harvested, 52% this week, 45% last year, 73% average. Oats headed, 65% this week, 90% last year, 79% average. Oats coloring, 6% this week, 3% last year, 11% average. Potatoes planted, 94% this week, n/a% last year, n/a% average. Soybeans planted, 93% this week, 95% last year, 96% average. Soybeans emerged, 87% this week, 93% last year, 89% average. Tobacco transplanted or set, 92% this week, 99% last year, 96% average. Winter wheat headed, 92% this week, n/a% last year, n/a% average. Winter wheat coloring, 77% this week, 95% last year, 93% average. Winter wheat mature, 14% this week, 14% last year, 41% average. Winter wheat harvested, 6% last week, 0% last year, 17% average. Hay alfalfa first cutting, 86% this week, 95% last year, 96% average. Hay alfalfa second cutting, 25% this week, 31% last year, 43% average. Hay other than alfalfa first cutting, 69% this week, 85% last year, 86% average. Corn condition, 0% very poor, 2% poor, 18% fair, 51% good, 29% excellent. Hay Alfalfa condition, 0% very poor, 2% poor, 34% fair, 59% good, 5% excellent. Hay Other condition, 0% very poor, 4% poor, 38% fair, 54% good, 4% excellent. Oats condition, 1% very poor, 2% poor, 22% fair, 64% good, 11% excellent. Soybeans condition, 0% very poor, 2% poor, 16% fair, 70% good, 12% excellent. Quality of Hay Made, 1% very poor, 4% poor, 23% fair, 43% good, 29% excellent. Pasture condition, 4% very poor, 2% poor, 18% fair, 58% good, 18% excellent. Winter Wheat condition, 0% very poor, 4% poor, 27% fair, 51% good, 18% excellent. Field activities for the week included cutting hay and harvesting winter wheat.

**SOUTH CAROLINA:** Days suitable for fieldwork 6.2. Topsoil Moisture 12% very short, 49% short, 35% adequate, 4% surplus. Subsoil Moisture 6% very short, 45% short, 46% adequate, 3% surplus. Pasture and Range condition 1% very poor, 25% poor, 34% fair, 39% good, 1% excellent. Peaches condition 6% very poor, 9% poor, 43% fair, 40% good, 2% excellent. Livestock condition 0% very poor, 4% poor, 33% fair, 58% good, 5% excellent. Tomatoes condition 0% very poor, 0% poor, 24% fair, 70% good, 6% excellent. Watermelons conditions 0% very poor, 3% poor, 27% fair, 70% good, 0% excellent. Cantaloupes conditions 0% very poor, 3% poor, 51% fair, 46% good, 0% excellent. Snap beans conditions 0% very poor, 0% poor, 20% fair, 75% good, 5% excellent. Tobacco condition 0% very poor, 2% poor, 32% fair, 60% good, 6% excellent. Corn condition 1% very poor, 4% poor, 23% fair, 65% good, 7% excellent. Corn Silked 91%, 80% 2013. Cotton planted 100%, 97% 2013. Winter Wheat harvested 97%, 73% 2013. Rye mature 100%, 100% 2013. Rye harvested 98%, 72% 2013. Oats harvested 93%, 91% 2013. Peaches Harvested 34%, 37% 2013. Cucumbers Harvested 66%, 54% 2013. Snap beans planted 100%, 100% 2013. Snap beans harvested 25%, 62% 2013. Watermelons harvested 32%, 20% 2013. Tomatoes harvested 25%, 57% 2013. Peanuts pegged 64%, 18% 2013. Soybeans planted 92%, 89% 2013. Soybeans emerged 86%, 59% 2013. Tobacco Topped 58%, 40% 2013. The state average temperature for the seven-day period was two degrees above the long-term average. The state average rainfall for the seven-day period was 0.9 inches.

**SOUTH DAKOTA:** Days suitable for fieldwork 3.8. Topsoil moisture 0% very short, 3% short, 79% adequate, 18% surplus. Subsoil moisture 0% very short, 5% short, 84% adequate, 11% surplus. Winter wheat conditions 0% very poor, 5% poor, 25% fair, 62% good, 8% excellent. Winter wheat 97% headed 89% 2013, 94% average. Winter wheat 31% coloring, 3% 2013 and 38% average. Spring wheat jointed 90%. Barley jointed 90%. Oats jointed 90%. Sorghum emerged 76%, 84% 2013 and 88% average. Sunflower emerged 57%. Alfalfa conditions 0% very poor, 2% poor, 21% fair, 57% good, 20% excellent. Alfalfa first cut 65%, 69% 2013. 74% average. Alfalfa second cutting 3%. Stock water supplies 0% very short, 5% short, 83% adequate, 12% surplus. Wide spread rain showers and near normal temperatures continued to dominate the weather pattern across most areas of the state. Cool temperatures and wide spread rain showers dominated the weather pattern across most areas of the state last week.

**TENNESSEE:** Days suitable 5.0. Topsoil moisture 2% very short, 13% short, 68% adequate, 17% surplus. Subsoil moisture 2% very short, 12% short, 70% adequate, 16% surplus. Corn condition 1% very poor, 4% percent poor, 17% fair, 55% good, 23% excellent. Cotton condition, 1% very poor, 6% poor, 25% fair, 53% good, 15% excellent. Soybean condition 3% poor, 18% fair, 63% good, 16% excellent. Winter wheat 2% poor, 18% fair, 57% good, 23% excellent. Pasture and Range condition 1% very poor, 8% poor 26% fair, 57% good, 8% excellent. Other activities included setting tobacco, cutting hay.

**TEXAS:** Days suitable for fieldwork 5.2. Topsoil moisture 18% very short, 27% short, 50% adequate, 5% surplus. Subsoil moisture 19% very short, 33% short, 44% adequate, 4% surplus. Corn dough 40%, 41% 2013, 44% avg.; Corn dented 21%, 23% 2013, 28% avg.; Corn mature 2%, 4% 2013, 5% avg. Cotton planted 99%, 100% 2013, 100% avg. Peanuts planted 94%, 100% 2013, 100% avg. Sorghum coloring 35%, 45% 2013, 46% avg.; Sorghum mature 18%, 27% 2013, 28% avg.; Sorghum harvested 1%, 3% 2013, 6% avg. Soybeans planted 99%, 100% 2013, 100% avg. Oats harvested 90%, 96% 2013, 95% avg. Range and pasture condition 6% very poor, 14% poor, 32% fair, 36% good and 12% excellent. Widespread rainfall was experienced throughout Texas last week. Areas of the Cross-Timbers, Blacklands, East Texas and the Upper Coast received up to six inches of rainfall. The Trans-Pecos and the Coastal Bend received up to five inches of precipitation, while the rest of the state received up to three inches. Winter wheat harvest was nearing completion across the state. Rainfall slowed the harvest of wheat in the Blacklands, while weeds impeded progress in the Northern High Plains. In areas of the Northern High Plains and Blacklands, corn was improving due to recent rainfall. In the Upper Coast, corn was at the denting stage. In the Northern Low Plains, cotton continued to progress, aided by adequate moisture in the area. Cotton was maturing in areas of South East Texas. Sorghum harvest was underway in areas of the Lower Valley and Coastal Bend, while head worms were reported in areas of South Central Texas. Peanuts were blooming in the Southern High Plains. In the Upper Coast, recent rainfall promoted soybean development. Sunflowers were maturing in areas of the Coastal Bend. In the Trans-Pecos, pecans were at the enlargement stage, while spraying of trees continued in the Edwards Plateau. Potato harvest was in full swing in South Texas. Watermelon harvest was active in the Lower Valley. Supplemental feeding of livestock decreased in areas of the Edwards Plateau and South Texas due to improving pasture conditions. Recent precipitation slowly improved pastures in areas of the Northern Low Plains. Ranchers continued to report problems with insects on livestock in some areas of the state.

**UTAH:** Days suitable for field work 6.6. Top soil moisture 16% very short, 46% short, 38% adequate. Subsoil Moisture 13% very short, 52% short, 35% adequate. Winter wheat harvested 27%, 2%

2013, 1% 5-yr avg. Winter wheat condition 3% very poor, 5% poor, 27% fair, 51% good, 14% excellent. Barley headed 88%, 91% 2013, 79% 5-yr avg. Barley condition 7% fair, 71% good, 22% excellent. Oats headed 52%, 78% 2013, 59% 5-yr avg. Oats Condition 15% fair, 73% good, 12% excellent. Spring wheat headed 87%, 85% 2013, 62% 5-yr avg. Spring wheat condition 3% poor, 17% fair, 60% good, 20% excellent. Alfalfa hay first cutting 93%, 96% 2013, 89% 5-yr avg. Alfalfa hay second cutting 9% 2013, 5% 5-yr avg. Other hay first cutting 82%, 70% 2013, 57% 5-yr avg. Cattle and calves condition 1% poor, 21% fair, 66% good, 12% excellent. Sheep and lamb condition 16% fair, 77% good, 7% excellent. Stock water supplies 10% very short, 32% short, 58% adequate. Pasture and range condition 3% very poor, 16% poor, 40% fair, 40% good, 1% excellent. Farmers in Beaver County are finishing cutting of first crop hay. They are starting to cut meadow hay. There are lots of grasshopper problems. Ranges are getting very dry and some farmers have run out of irrigation water. Livestock are doing well. Some showers moved through Box Elder County last week. Precipitation amounts were generally light. These showers also brought cooler temperatures to the County. Fruit producers began to harvest cherries and apricots. The cherry crop will be the best that we have had in Box Elder County in several years. Dryland wheat is ripening. Some producers feel like they are about three weeks to harvest. Alfalfa conditions look good. Second crop is being harvested. Corn is growing extremely well with some corn more than 40 inches tall. Ranchers continue moving their stock to higher pastures, but the lack of rainfall in some parts of the County is a concern. Conditions are still quite favorable in Cache County, though we did experience some rain damaged hay with last week's storms. Wheat, safflower, and barley, especially on dry land, have responded very well to the recent storms. Corn is doing fine, but will benefit from warmer days that are forecast. In Carbon County strong winds continue to be a problem. Conditions in Garfield and Kane Counties continue to be very dry. Overall crops look good in Millard County except in areas on the East side of the County where irrigation water from runoff is extremely short. Recent rains in Morgan County have left range there in very good condition. The rains did catch a fair amount of hay down and caused a loss in quality. In Rich County, a storm on Thursday night kept pastures green and growing. Cattle look good and are contented. Some producers made their first cutting of alfalfa last week and the rest will start this week. Cuttings look good. The irrigation from the Bear River will run out this week but grass hay for the most part has been cut and looks to be a good crop. Cattle and sheep are beginning to be moved to higher pastures. Rain storms in Summit County at the end of the week slowed down some of the hay harvesting, but was a welcome sight to most. Farmers are in full swing harvesting first crop alfalfa and grass hay. They are reporting good yields for both crops.

**VIRGINIA:** Days suitable for fieldwork 5.9. Topsoil moisture 8% very short, 28% short, 59% adequate, 5% surplus. Subsoil moisture 3% very short, 24% short, 68% adequate, 5% surplus. Cotton 90% good, 10% excellent. Cotton squaring 34%, 52% 2013, 40% 5-yr avg. Cotton setting bolls 0%, 0% 2013, 2% 5-yr avg. Peanuts 1% fair, 91% good, 8% excellent. Peanuts pegging 21%, 5% 2013, 17% 5-yr avg. Corn 2% poor, 21% fair, 63% good, 14% excellent. Corn silking 23%, 29% 2013, 34% 5-yr avg. Soybeans 2% poor, 23% fair, 68% good, 7% excellent. Soybeans planted 76%, 76% 2013, 85% 5-yr avg. Soybeans emerged 63%, 66% 2013, 73% 5-yr avg. Winter wheat 3% poor, 16% fair, 74% good, 7% excellent. Winter wheat harvested 60%, 59% 2013, 76% 5-yr avg. Barley harvested 90%. Oats harvested 69%, 65% 2013. Potatoes 99% good, 1% excellent. Potatoes harvested 8%, 24% 2013, 22% 5-yr avg. Flue-cured tobacco 1% very poor, 1% poor, 34% fair, 38% good, 26% excellent. Fire-cured tobacco 3% poor, 31% fair, 57% good, 9% excellent. Burley tobacco 1% very poor, 1% poor, 37% fair, 54% good, 7% excellent. Livestock 1% very poor, 3% poor, 17% fair, 62% good, 17% excellent. Pasture 1% very poor, 12% poor, 33% fair, 46% good, 8% excellent. Alfalfa hay

5% poor, 34% fair, 52% good, 9% excellent. Other hay 1% very poor, 8% poor, 39% fair, 47% good, 5% excellent. All apples 1% very poor, 1% poor, 33% good, 65% good. Grapes 8% poor, 27% fair, 58% good, 7% excellent. Virginia experienced reasonable temperatures and scattered rain showers this week. Precipitation totals varied based on location; some areas received little to no rain, while other parts of the Commonwealth reported up to 3 inches of rain. Days suitable for fieldwork were 5.9. The small grain harvest made good progress this week where rainfall was light; however, wetter areas of the State were delayed due to the moisture. Soybean planting was the primary focus this week for most growers. Hay producers were busy finishing the 1st cutting of hay and starting on the 2nd cutting of hay. Peanut growers were applying fungicides and land-plaster to their crop. Other farming activities for the week included side-dressing corn and tobacco, applying post-emergence herbicides to soybeans, and tending to the vegetable crops, which included selling squash, beets, and cabbage.

**WASHINGTON:** Days suitable for fieldwork 6.2. Topsoil Moisture 13% Very Short, 46% Short, 39% Adequate and 2% Surplus. Subsoil Moisture 13% Very Short, 39% Short, 47% Adequate and 1% Surplus. Range and Pasture Conditions were 2% very poor, 11% poor, 47% fair, 33% good, and 7% excellent. Winter Wheat Condition 7% Very Poor, 20% Poor, 43% Fair, 27% Good, 1% Excellent. Spring Wheat Condition 6% Very Poor, 22% Poor, 48% Fair, 22% Good, and 2% Excellent. Spring Wheat Headed 80%, 52% PW, 77% PY, and 59% 5YA. Barley Condition 3% Very Poor, 14% Poor, 47% Fair, 34% Good, and 2% Excellent. Barley Headed 77%, 51% PW, 72% PY, and 56% 5YA. Potatoes Condition 0% Very Poor, 2% Poor, 28% Fair, 64% Good, 6% Excellent. Corn Condition 0% Very Poor, and 0% Poor, 31% Fair, 56% good, 13% Excellent. Corn Silked 1%, NA PW, 1% PY, and 1% 5YA. Dry beans Condition 0% very Poor, 8% poor, 43% fair, 45% Good, and 4% Excellent. Green Peas Processing Harvested 27%, 0% PW, 41% PY, and 25% 5YA. Alfalfa first cutting of hay 89%, 84% PW, 82% PY, and 79% 5YA. Alfalfa second cutting of Hay 27%, 12 PW, 6% PY, and 8% 5YA. In Whitman County temperatures were normal for this time of year with 0.6 inch of precipitation received throughout the week. Producers continued chemical or conventional fallow operations in preparation for harvest. Wheat on the west end of the county was quickly maturing with anticipated harvest in coming weeks. In Lincoln County precipitation was spotty but much needed to maintain crop and soil moisture conditions. Cherry harvest continued in Eastern Washington with reports from Grant County of some crop damage due to rain. In Yakima County experienced a warm week with temperatures reaching 92 degrees. There was a little over 0.05 inches of precipitation received during the week. No crop losses due to weather conditions were reported.

**WEST VIRGINIA:** Days suitable for fieldwork 5. Topsoil moisture was 2% very short, 23% short, 72% adequate, and 3% surplus compared to 20% short, 77% adequate, and 3% surplus last year. Subsoil moisture was 2% very short, 19% short, 78% adequate, and 1% surplus, comparison data not available. Hay and roughage supplies were 5% very short, 8% short, 84% adequate, and 3% surplus compared to 6% very short, 12% short, 80% adequate, and 2% surplus last year. Feed grain supplies were 5% very short, 10% short, and 85% adequate compared to 1% very short, 7% short, and 92% adequate last year. Corn conditions were 2% very poor, 7% poor, 18% fair, 57% good, and 16% excellent. Corn was 95% planted, 95% in 2013, 5-year average not available. Corn was 90% emerged, 90% in 2013, 5-year average not available. Soybean conditions were 3% poor, 20% fair, and 77% good. Soybeans were 85% planted, 85% in 2013, and 89% 5-year avg. Soybeans were 77% emerged, 77% in 2013, and 81% 5-year avg. Winter wheat conditions were 1% poor, 33% fair, 65% good, and 1% excellent. Winter wheat was 91% headed, comparison data not available.

Winter wheat was 10% harvested, 14% in 2013, and 20% 5-year avg. Hay conditions were 6% poor, 39% fair, 54% good, and 1% excellent. Hay first cutting was 63%, 66% in 2013, and 71% 5-year avg. Apple conditions were 5% poor, 24% fair, 62% good, and 9% excellent. Peach conditions were 2% very poor, 11% poor, 21% fair, 60% good, and 6% excellent. Cattle and calves were 1% poor, 13% fair, 84% good, and 2% excellent. Sheep and lambs were 1% poor, 15% fair, 82% good, and 2% excellent. Farming activities included making hay, planting crops, and harvesting winter wheat. Weather is making haymaking challenging for some farmers. Cattle producers are reporting pinkeye infections.

**WISCONSIN:** Days suitable for fieldwork 3.2. Topsoil moisture 63% adequate and 37% surplus. Subsoil moisture 2% short, 72% adequate, and 26% surplus. Winter wheat headed 93%, n.a. 2013, n.a. avg.; turning color 22%, n.a. 2013, n.a. avg; condition 6% poor, 22% fair, 49% good, 23% excellent. Hay, alfalfa, first cutting 89%, 57% 2013, 82% avg; second cutting 9%, n.a. 2013, n.a. avg. Hay, all types, condition 2% poor, 11% fair, 53% good, 34% excellent. Potatoes condition 2% poor, 9% fair, 72% good, 17% excellent. Severe weather continued this week, with isolated thunderstorms hitting some part of the state nearly every day. Though high winds, hail and tornadoes caused damage in some counties, excess moisture was again the biggest concern for farmers. There were widespread reports of flooding, ponding and soil erosion, along with moisture stress, nitrogen deficiency and high weed pressure. In some areas the ground remained too wet to support machinery, leaving corn and soybeans unsprayed and any remaining acres of first crop alfalfa unharvested. In others areas, hay was cut but could not be dried due to frequent rains. Several reporters noted the first crop being taken for haylage or bedding only. Undamaged crops continued to grow rapidly in response to hot days and abundant moisture. Dry weather is needed to facilitate the second crop alfalfa harvest and improve field conditions. Across the reporting stations, average temperatures last week were 5 degrees below to 5 degrees above normal. Average high temperatures ranged from 73 to 84 degrees, while average low temperatures ranged from 56 to 65 degrees. Precipitation totals ranged from 0.07 inches in Green Bay to 3.75 inches in Eau Claire.

**WYOMING:** Days suitable for fieldwork 5.4. Topsoil moisture 8% very short, 21% short, 67% adequate, 4% surplus. Subsoil moisture 1% very short, 24% short, 72% adequate, 3% surplus. Barley jointing 88%, 95% 2013, 85% 5-yr avg; booted 61%, 65% 2013, 61% 5-yr avg; headed 31%, 46% 2013, 41% 5-yr avg; condition 2% fair, 66% good, 32% excellent. Oats jointing 86%, 70% 2013, 71% 5-yr avg; booted 60%, 45% 2013, 45% 5-yr avg; headed 14%, 9% 2013, 21% 5-yr avg; condition 1% very poor, 0% poor, 4% fair, 84% good, 11% excellent. Spring wheat jointing 72%, 83% 2013, 76% 5-yr avg; booted 55%, 58% 2013, 52% 5-yr avg; headed 8%, 3% 2013, 19% 5-yr avg; condition 4% fair, 91% good, 5% excellent. Sugarbeets condition 86% good, 14% excellent. Winter wheat headed 96%, 96% 2013, 91% 5-yr avg; coloring 5%, 33% 2013, 29% 5-yr avg; condition 2% poor, 41% fair, 55% good, 2% excellent. Corn avg height 18 inches, 17 inches 2013, 15 inches 5-yr avg; condition 1% very poor, 0% poor, 4% fair, 91% good, 4% excellent. Dry beans emerged 96%, 93% 2013, 80% 5-yr avg; blooming 2%, 3% 2013, 7% 5-yr avg; condition 8% fair, 85% good, 7% excellent. Alfalfa hay 1st cutting 56%, 50% 2013, 43% 5-yr avg; condition 2% very poor, 4% poor, 5% fair, 74% good, 15% excellent. Other hay harvested 45%, 11% 2013, 14% 5-yr avg; condition 1% very poor, 2% poor, 5% fair, 84% good, 8% excellent. Livestock condition 1% poor, 18% fair, 64% good, 17% excellent. Pasture and Range condition 8% poor, 12% fair, 56% good, 24% excellent. Crop insect infestation 4% severe, 8% moderate, 42% light, 46% none. Irrigation water supplies 2% poor, 2% fair, 76% good, 20% excellent. Northern Wyoming counties are reporting weevil damage to the first cutting of alfalfa hay.

**International Weather and Crop Summary**

**June 29 - July 5, 2014**

*International Weather and Crop Highlights and Summaries provided by USDA/WAOB*

**EUROPE:** Widespread, locally heavy showers further improved summer crop prospects across much of the continent but caused additional winter wheat harvest delays.

**FSU-WESTERN:** Somewhat drier conditions allowed winter wheat drydown and harvesting to resume in Ukraine and Russia.

**FSU-EASTERN:** Moderate to heavy rain improved prospects for spring wheat across the eastern two-thirds of the region.

**MIDDLE EAST:** Mostly sunny weather promoted the development of irrigated corn and cotton, though showers in northwestern Iran provided supplemental moisture for irrigated summer crops.

**SOUTH ASIA:** Monsoon rainfall remained poor in central and western India, while rainfall was near normal across eastern rice areas.

**EAST ASIA:** Showers throughout China benefited summer crops, although pockets of dryness persisted.

**SOUTHEAST ASIA:** Despite improved monsoon showers in Thailand, seasonal rainfall deficits continued.

**AUSTRALIA:** Intermittent showers and sun maintained near ideal conditions for winter grains and oilseeds in the south and west.

**ARGENTINA:** Wet weather lingered over northeastern cotton areas while drier weather elsewhere favored corn harvesting.

**BRAZIL:** Heavy rain continued in Rio Grande do Sul, maintaining unfavorably wet conditions for winter wheat.

**MEXICO:** Showers maintained generally favorable conditions for corn and other rain-fed summer crops, and monsoon showers aided northwestern reservoirs.

**CANADIAN PRAIRIES:** Unfavorable wetness persisted in eastern spring grain and oilseed areas.

**SOUTHEASTERN CANADA:** Warm, mostly dry weather fostered rapid development of winter wheat, summer crops, and pastures.

**June 2014**

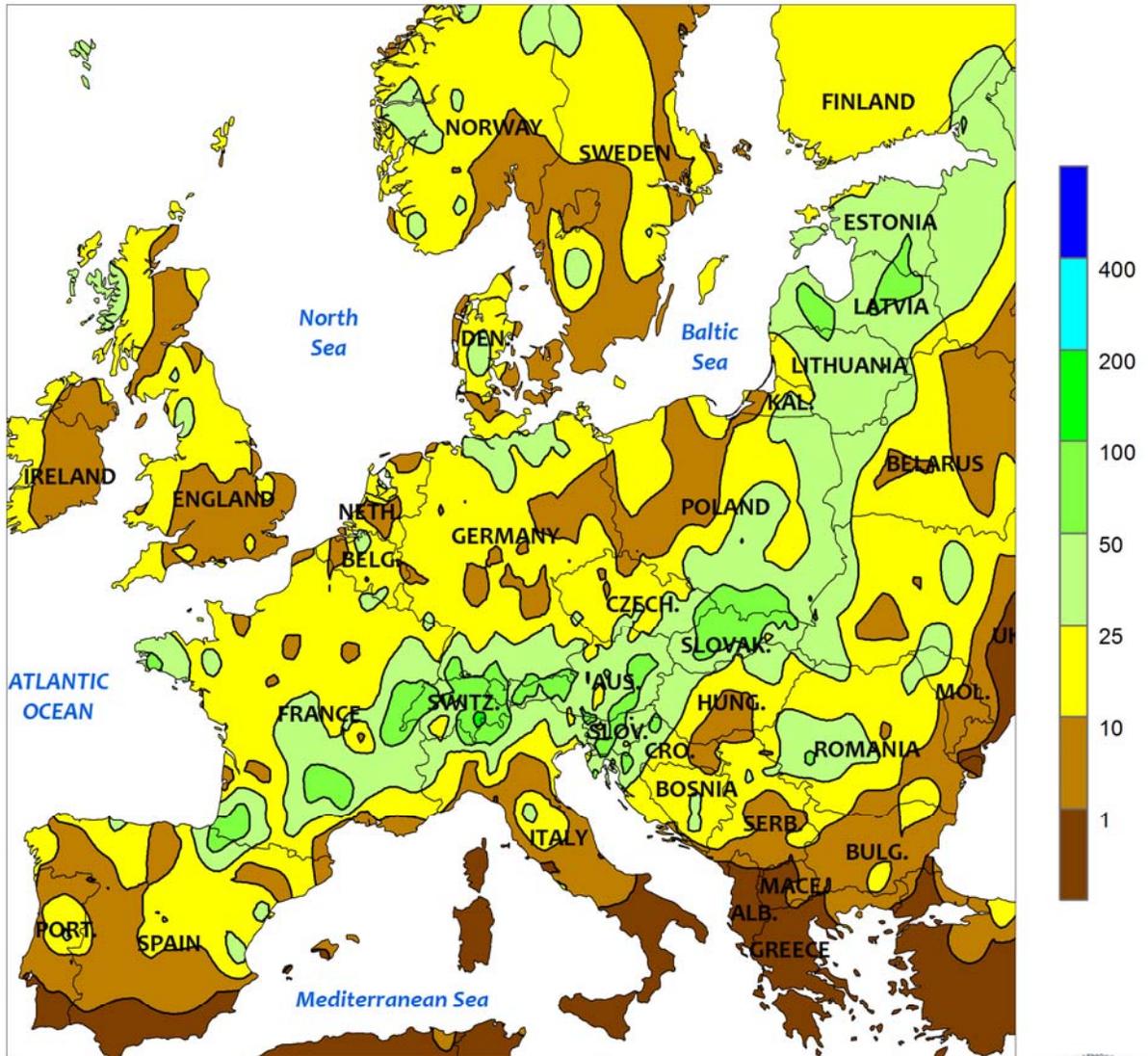
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	DEP NRM	DEP TOT	DEP NRM
ALGERI	ALGER	29	16	34	12	23	1.1	52	41
	BATNA	31	14	39	6	23	-0.4	51	35
ARGENT	IGUAZU	21	14	28	5	18	1.5	386	219
	FORMOSA	21	14	30	6	18	0.7	63	-3
	CERES	20	8	28	0	14	1.4	1	-30
	CORDOBA	19	4	26	-2	11	0.4	0	-12
	RIO CUARTO	17	4	24	-1	11	0.9	1	-18
	ROSARIO	17	6	23	-3	12	0.9	23	-16
	BUENOS AIRES	16	6	22	-3	11	0.9	42	-12
	SANTA ROSA	17	2	21	-5	9	0.9	1	-19
	TRES ARROYOS	15	4	20	-1	9	1.6	87	52
AUSTRA	DARWIN	31	21	33	16	26	0.1	0	-2
	BRISBANE	22	12	24	6	17	1.2	30	-24
	PERTH	20	7	25	1	14	-0.5	88	-60
	CEDUNA	18	8	21	4	13	0.8	31	2
	ADELAIDE	16	10	18	5	13	1.2	97	41
	MELBOURNE	15	9	18	2	12	1.8	61	23
	WAGGA	14	6	18	1	10	1.2	62	14
	CANBERRA	13	4	15	-3	8	1.5	72	34
AUSTRI	VIENNA	25	13	34	8	19	1.1	34	-29
	INNSBRUCK	25	12	34	5	18	2.1	124	10
BAHAMA	NASSAU	32	24	33	21	28	0.6	83	-95
BARBAD	BRIDGETOWN	31	25	32	24	28	0.4	65	-18
BELARU	MINSK	21	12	26	7	16	0	74	-11
BERMUD	ST GEORGES	27	22	30	17	25	-0.8	60	-62
BOLIVI	LA PAZ	16	-4	17	-7	6	0.2	0	-6
BRAZIL	FORTALEZA	30	25	31	23	27	0.1	20	-84
	RECIFE	29	23	30	21	26	-0.6	159	-143
	CAMPO GRANDE	25	16	29	8	21	-0.6	40	2
	FRANCA	25	16	28	12	21	1.6	7	-18
	RIO DE JANEIRO	27	19	32	16	23	1.3	43	-8
	LONDRINA	25	14	30	7	19	2.1	67	-41
	SANTA MARIA	18	11	29	0	15	0.5	279	92
	TORRES	20	13	25	4	16	-2.8	197	53
BULGAR	SOFIA	24	13	30	6	18	-0.4	112	41
BURKIN	OUAGADOUGOU	36	26	40	21	31	1.2	91	-16
CANADA	TORONTO	25	15	31	10	20	2	97	23
	MONTREAL	25	15	31	10	20	1.8	168	85
	WINNIPEG	22	12	30	6	17	0	0	-85
	REGINA	19	9	25	2	14	-2	0	-73
	SASKATOON	20	9	26	2	14	-1.7	0	-58
	LETHBRIDGE	***	***	***	***	***	***	***	***
	CALGARY	19	8	24	3	13	-0.7	96	16
	EDMONTON	21	9	27	3	15	-0.4	61	-20
	VANCOUVER	20	12	24	9	16	0.6	37	-17
CANARY	LAS PALMAS	26	20	28	18	23	1.4	0	-1
CHILE	SANTIAGO	14	3	24	-2	9	-0.1	60	-8
CHINA	HARBIN	28	18	33	13	23	2.6	56	-20
	HAMI	32	17	37	10	24	-0.4	27	20
	LANCHOW	***	***	26	13	***	***	***	***
	BEIJING	31	20	36	14	25	0.5	84	5
	TIENTSIN	31	20	35	15	25	0.6	79	10
	LHASA	26	12	29	8	19	2.7	63	-10
	KUNMING	26	18	33	15	22	2	277	96
	CHENGCHOW	32	22	37	20	27	1.2	27	-35
	YEHCHANG	28	22	34	20	25	0.7	93	-54
	HANKOW	30	22	35	17	26	0.1	58	-165
	CHUNGKING	27	22	37	20	25	-1.1	253	80
	CHIHKIANG	28	22	34	19	25	0.2	360	151
	WU HU	29	23	35	18	26	0.9	101	-95
	SHANGHAI	26	21	33	19	24	-0.3	176	3
	NANCHANG	30	24	35	20	27	1.2	383	76
	TAIPEI	31	26	36	23	29	0.6	388	60
	CANTON	33	25	36	22	29	1.2	301	25
	NANNING	33	25	36	24	29	1	158	-49
COLOMB	BOGOTA	18	10	20	7	14	0.6	38	-29
COTE D	ABIDJAN	28	25	31	23	27	0.3	650	151
CUBA	HAVANA	31	22	33	20	27	0.1	0	-145
CYPRUS	LARNACA	30	20	38	16	25	0.6	2	1
CZECHR	PRAGUE	22	10	32	6	16	0.3	25	-47

Based on Preliminary Reports

## June 2014

COUNTRY	CITY	TEMPERATURE					PRECIP.			COUNTRY	CITY	TEMPERATURE					PRECIP.															
		AVG	AVG	HI	LO	DEP	TOT	DEP	AVG			AVG	HI	LO	DEP	TOT	DEP															
		MAX	MIN	MAX	MIN	AVG	NRM	TOT	NRM			MAX	MIN	MAX	MIN	AVG	NRM	TOT	NRM			MAX	MIN	MAX	MIN	AVG	NRM	TOT	NRM			
DENMAR	COPENHAGEN	20	12	26	8	16	1.1	39	-14			TLAXCALA	24	13	27	10	18	-0.3	141	-11			ORIZABA	26	18	28	15	22	0.9	535	139	
EGYPT	CAIRO	34	22	43	20	28	0.6	0	*****			MOROCC	CASABLANCA	25	18	31	16	21	1.1	3	1			MARRAKECH	33	18	41	14	25	1.7	0	-3
ESTONI	TALLINN	16	9	28	3	13	-1.5	68	7			MOZAMB	MAPUTO	***	***	31	11	***	*****	*****	*****											
ETHIOP	ADDIS ABABA	24	13	28	11	19	1.6	34	-84			N KORE	PYONGYANG	28	19	31	17	23	1.9	50	-34											
F GUIA	CAYENNE	31	24	32	22	27	1.5	436	-2			NEW CA	NOUMEA	24	19	27	17	22	0.6	24	-93											
FIJI	NAUSORI	27	20	30	17	24	0.6	86	-57			NIGER	NIAMEY	39	28	41	21	34	1.9	48	-29											
FINLAN	HELSINKI	17	10	27	4	14	-1.2	54	6			NORWAY	OSLO	19	10	24	6	14	0.8	47	-28											
FRANCE	PARIS/ORLY	23	13	28	7	18	0.7	64	17			NZEALA	AUCKLAND	17	10	19	5	13	*****	184	*****											
	STRASBOURG	27	13	37	8	20	2.9	16	-61				WELLINGTON	15	9	17	0	12	*****	68	*****											
	BOURGES	25	14	32	7	19	2.4	48	-11			P RICO	SAN JUAN	33	26	34	25	30	1.7	29	-60											
	BORDEAUX	26	15	32	10	21	2.8	68	3			PAKIST	KARACHI	36	29	43	28	33	1.2	0	-5											
	TOULOUSE	27	16	34	10	22	3.1	94	27			PERU	LIMA	22	19	24	18	21	2.4	1	-1											
	MARSEILLE	29	17	35	12	23	2.3	42	16			PHILIP	MANILA	33	26	35	24	29	-0.2	116	-136											
GABON	LIBREVILLE	28	25	30	23	27	1.1	18	0			PNEWGU	PORT MORESBY	30	25	32	23	27	0.9	11	-25											
GERMAN	HAMBURG	21	11	30	4	16	0.6	54	-22			POLAND	WARSAW	21	12	29	7	16	-0.1	71	0											
	BERLIN	23	13	34	8	18	0.6	39	-31				LODZ	21	10	31	5	16	-0.4	44	-22											
	DUSSELDORF	22	11	30	6	16	-0.1	29	-53				KATOWICE	22	10	32	5	16	-0.4	106	26											
	LEIPZIG	22	12	33	7	17	0.6	23	-41			PORTUG	LISBON	25	17	36	13	21	1.3	10	-7											
	DRESDEN	22	12	33	7	17	1.0	31	-48			ROMANI	BUCHAREST	25	14	31	9	20	-1.1	134	57											
	STUTT GART	24	12	35	7	18	1.8	46	-36			RUSSIA	ST.PETERSBURG	19	11	32	6	15	-0.5	75	13											
	NURNBERG	24	10	35	6	17	0.5	15	-59				KAZAN	22	13	31	9	18	-0.1	85	14											
	AUGSBURG	24	9	34	3	17	0.9	39	-54				MOSCOW	21	11	32	6	16	-0.9	72	-14											
GREECE	THESSALONIKA	29	18	37	13	24	-0.4	25	-6				YEKATERINBURG	21	12	29	7	16	-0.4	13	-52											
	LARISSA	32	17	40	12	25	-0.2	25	3				OMSK	24	12	33	1	18	0.0	13	-39											
	ATHENS	***	***	25	20	***	*****	*****	*****				BARNAUL	24	11	32	0	18	-0.1	30	-22											
GUADEL	RAIZET	31	25	33	23	28	0.4	66	-21				KHABAROVSK	25	15	30	8	20	2.2	106	30											
HONGKO	HONG KONG INT	33	28	36	25	31	2.3	258	-143				VLADIVOSTOK	19	13	27	10	16	3.0	45	-75											
HUNGAR	BUDAPEST	26	15	35	10	21	1.5	21	-36				VOLGOGRAD	28	14	34	8	21	0.1	21	-10											
ICELAN	REYKJAVIK	***	***	15	9	***	*****	*****	*****				ASTRAKHAN	30	18	35	16	24	1.2	12	-15											
INDIA	AMRITSAR	41	26	47	19	33	1.5	72	6				ORENBURG	28	13	40	7	20	-0.1	33	-3											
	NEW DELHI	41	28	46	23	35	1.4	54	-28			S AFRI	JOHANNESBURG	18	6	24	-2	12	2.0	0	-7											
	AHMEDABAD	41	28	45	28	35	1.7	1	-115				BETHAL	20	0	27	-7	10	1.0	1	-15											
	INDORE	38	24	42	22	31	1.0	6	-147				DURBAN	25	11	34	7	18	0.5	9	-13											
	CALCUTTA	35	27	40	22	31	0.8	311	-4				CAPE TOWN	18	9	27	2	13	0.3	109	11											
	VERAVAL	33	28	35	26	31	1.2	105	-75			S KORE	SEOUL	28	20	31	17	24	1.3	302	164											
	BOMBAY	34	29	38	26	31	1.8	93	-354			SAMOA	PAGO PAGO	29	25	31	23	27	0.4	209	58											
	POONA	34	24	40	21	29	1.7	18	-140			SENEGA	DAKAR	29	24	32	22	27	1.2	0	-15											
	BEGAMPET	36	25	42	22	31	1.4	55	-58			SPAIN	VALLADOLID	27	12	33	7	19	1.4	11	-23											
	VISHAKHAPATNAM	34	28	40	22	31	0.8	148	41				MADRID	30	15	35	10	23	1.3	23	-1											
	MADRAS	39	28	42	23	33	1.0	190	109				SEVILLE	32	18	41	15	25	0.2	2	-13											
	MANGALORE	31	25	34	22	28	1.2	638	-332			SWITZE	ZURICH	24	13	33	8	18	2.7	146	10											
INDONE	SERANG	32	24	35	23	28	0.2	67	-19				GENEVA	25	13	33	7	19	2.6	61	-30											
IRELAN	DUBLIN	19	9	24	3	14	0.4	36	-24			SYRIA	DAMASCUS	35	17	41	14	26	1.4	0	*****											
ITALY	MILAN	28	17	35	12	23	1.8	103	35			TAHITI	PAPEETE	29	23	30	20	26	0.7	142	78											
	VERONA	29	17	36	10	23	2.0	39	-61			TANZAN	DAR ES SALAAM	31	21	33	20	26	1.6	0	-35											
	VENICE	27	18	33	12	22	1.7	57	-21			THAILA	PHITSANULOK	35	26	37	25	30	0.5	51	-129											
	GENOA	25	20	30	15	23	1.2	22	-31				BANGKOK	35	27	38	24	31	1.6	147	-2											
	ROME	27	16	33	11	22	0.7	121	96			TOGO	LOME	29	25	31	22	27	1.1	0	-279											
	NAPLES	28	19	34	14	23	1.7	53	22			TRINID	PORT OF SPAIN	33	25	34	21	29	2.1	165	-71											
JAMAIC	KINGSTON	33	26	34	23	30	0.9	0	-57			TUNISI	TUNIS	33	20	40	15	26	2.5	3	-9											
JAPAN	SAPPORO	23	16	34	13	20	3.2	104	52			TURKEY	ISTANBUL	26	19	33	15	23	1.1	57	29											
	NAGOYA	29	20	35	18	25	2.3	74	-130				ANKARA	25	11	33	6	18	1.2	80	45											
	TOKYO	27	21	33	18	24	2.1	317	151			TURKME	ASHKHBAD	37	24	42	18	30	1.8	0												

EUROPE  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

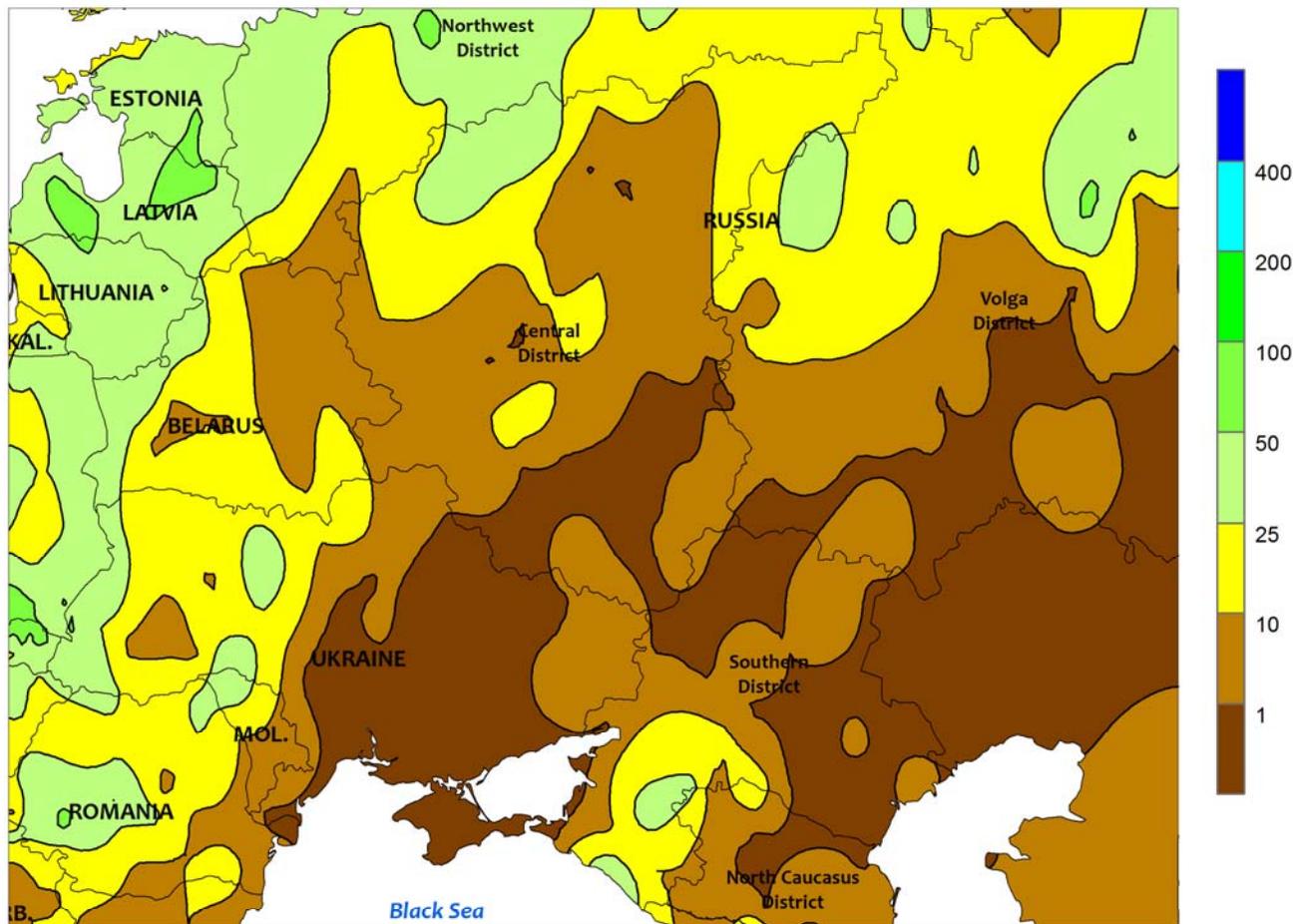


**EUROPE**

A slow-moving storm system and its attendant cold front produced widespread, locally heavy rain across much of the continent, slowing fieldwork but maintaining favorable summer crop prospects. Light to moderate showers (10-25 mm) fell from northern France and the United Kingdom eastward into Poland and the Baltic States, slowing winter wheat and rapeseed harvesting but maintaining adequate soil moisture for reproductive summer crops. Farther south, moderate to heavy rainfall

in northeastern Spain as well as southern portions of France, Germany, and Poland boosted prospects for reproductive corn and sunflowers. Somewhat lighter showers (5-40 mm) from central Spain into Italy and the Balkans were beneficial for corn, sunflowers, and soybeans. Temperatures averaged 1 to 2°C above normal over northern and central Europe, while the clouds and rain kept temperatures near to below normal over most key southern summer crop areas.

WESTERN FSU  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

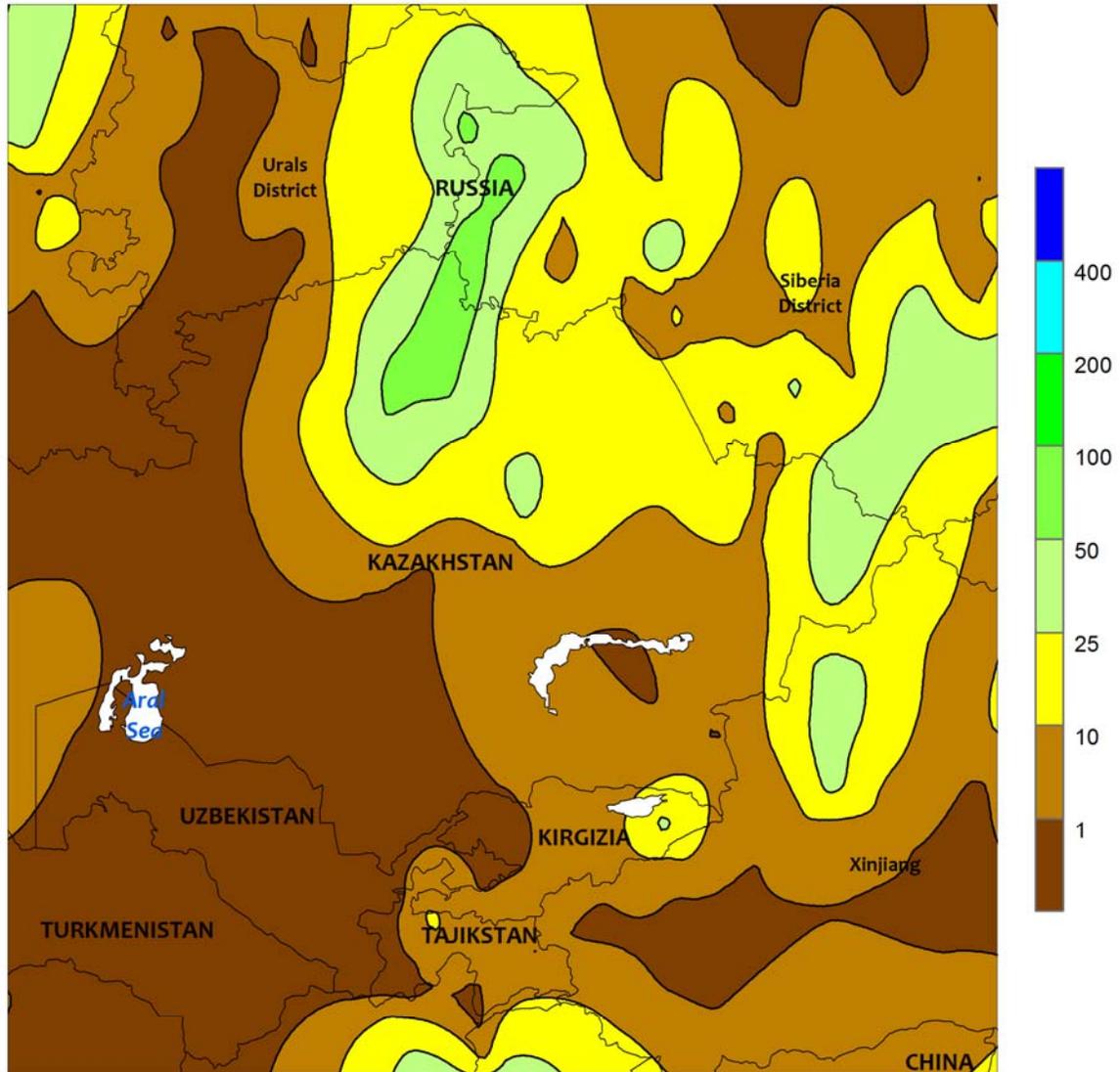


**WESTERN FSU**

A return of drier, warmer weather promoted summer crop development and allowed fieldwork to resume. After last week's soaking rainfall, sunny skies and above-normal temperatures allowed producers in key southern and western winter wheat areas of Russia and Ukraine to resume harvesting. The break from recent rain also benefited corn and sunflower development, with daytime highs remaining below the threshold for heat stress. Likewise, dry weather prevailed in the Volga District,

though cool conditions (up to 4°C below normal) were favorable for spring wheat development. Despite the generally dry weather pattern, a few scattered showers (2-20 mm) dotted eastern Ukraine and central portions of Russia's Southern District, providing additional — albeit localized — soil moisture for summer crops. Meanwhile, showers in western- and northern-most portions of the region benefited corn and spring grains from Moldova into western Ukraine and Belarus.

EASTERN FSU  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

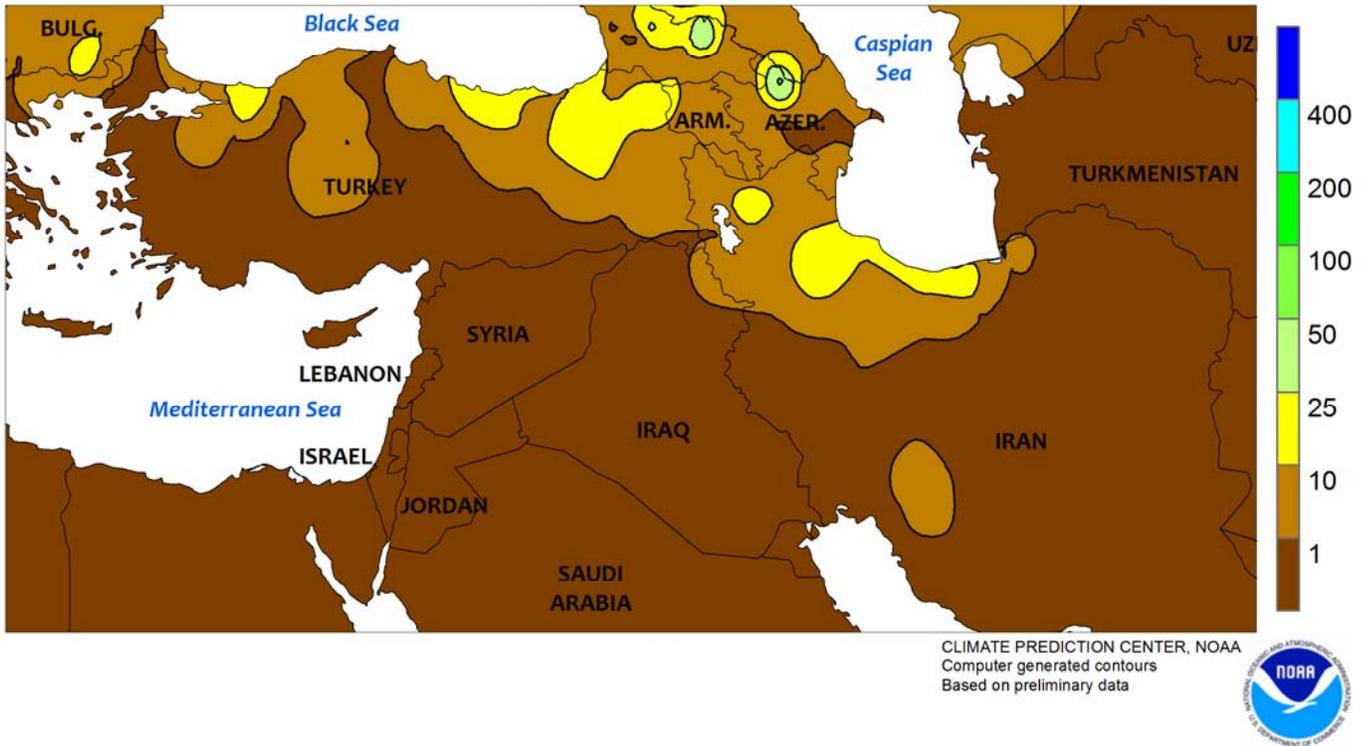


**EASTERN FSU**

Locally heavy rainfall over the eastern two-thirds of the region contrasted with dry weather in western-most spring wheat areas. A stationary storm system dropped 10 to 70 mm of rain (locally more) from northern-central Kazakhstan and the eastern Urals District in Russia eastward into the Siberia District, providing timely soil moisture for heading spring wheat. However, rain bypassed northwestern

Kazakhstan and the western Urals District, where localized soil moisture shortages persist. The storm brought an abrupt end to early-week heat (30-32°C), with daytime highs falling into the lower and middle 20s for much of the period. Farther south, mostly sunny skies promoted the development of irrigated cotton in Uzbekistan, Turkmenistan, and Tajikistan.

MIDDLE EAST  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014

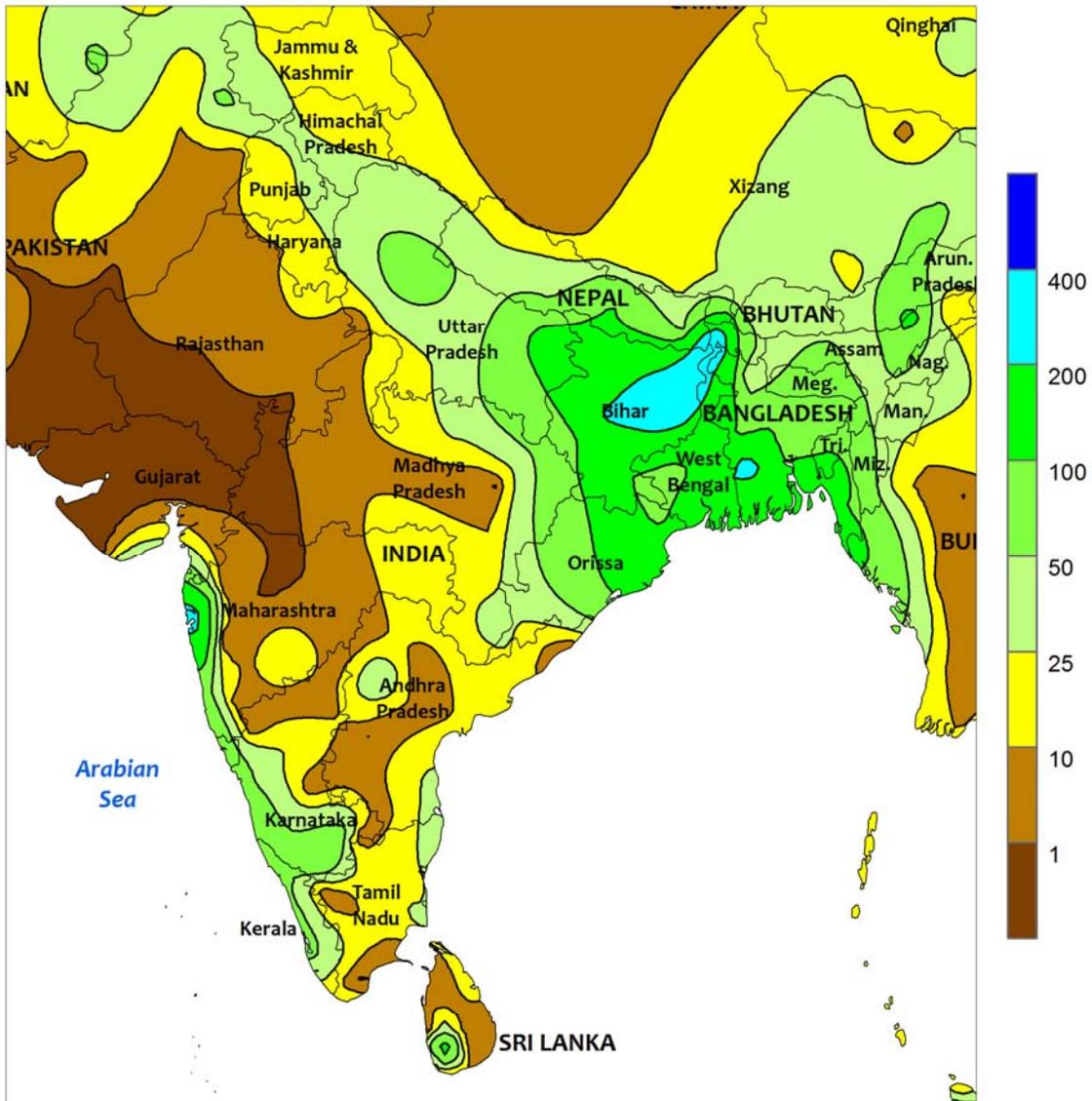


MIDDLE EAST

Dry weather prevailed across much of the region, though scattered, locally heavy showers were noted from northeastern Turkey into northwestern Iran. In Turkey, sunny skies and near- to above-normal temperatures over the country's primary agricultural areas promoted the development of irrigated corn, cotton, and sunflowers.

Farther east, showers and thunderstorms (5-20 mm) provided localized supplemental soil moisture for irrigated summer crops in northwestern Iran. From the eastern Mediterranean Coast into central and southern Iran, sunny, seasonably hot weather promoted late winter grain harvesting.

SOUTH ASIA  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

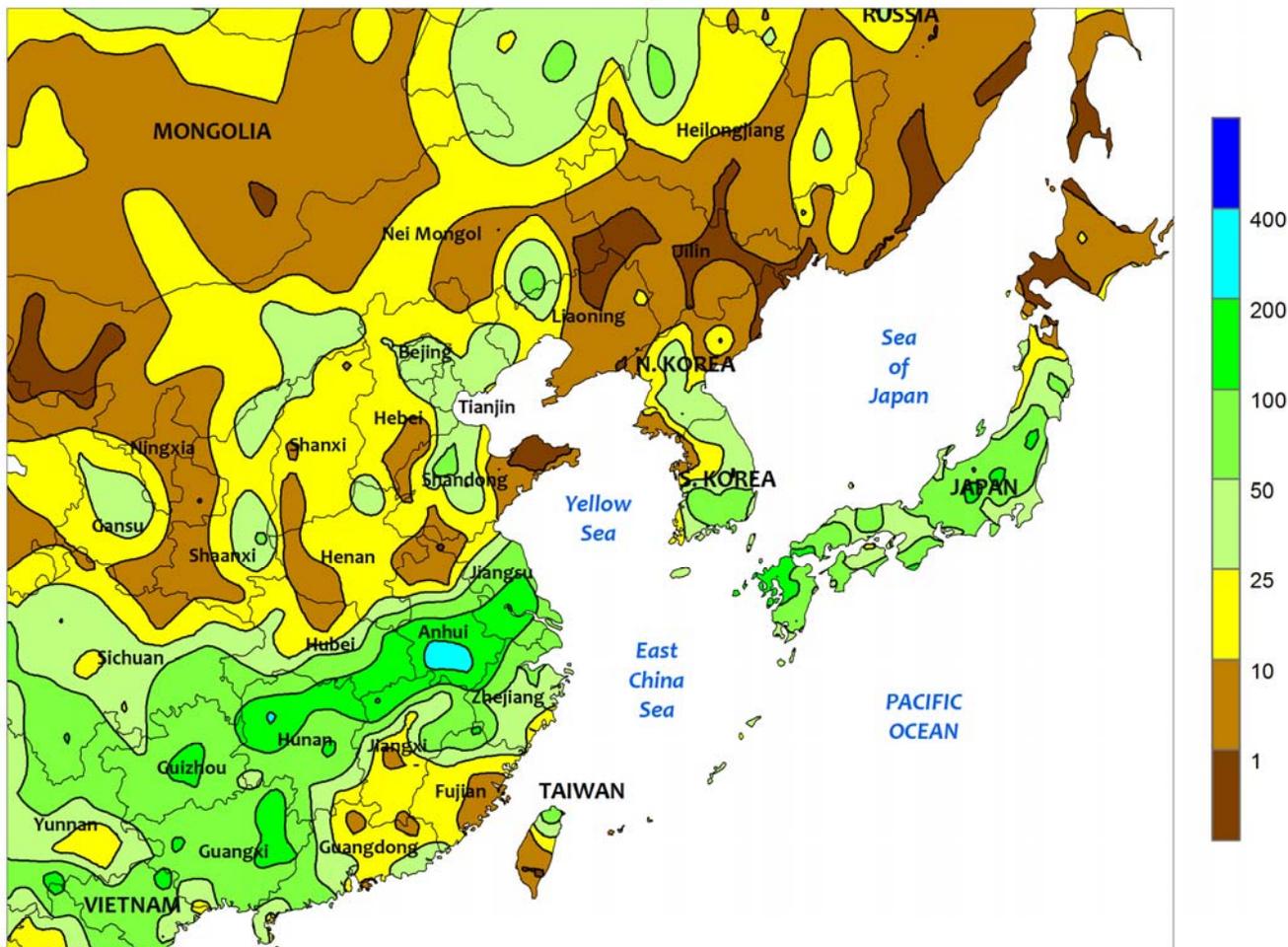


**SOUTH ASIA**

The monsoon remained active in northeastern India and along the west coast but was all but absent in the central and western states. Rice in Bihar, West Bengal, and lower portions of Uttar Pradesh benefited from rainfall between 100 to 150 mm (locally more) for the week and seasonal (since June 1) totals that were near to above normal. In contrast, soybeans, cotton, and groundnuts, as well as other summer crops, continued to experience poor monsoon rainfall. For the week, rainfall was less than 10 mm and seasonal totals were less than 25 percent of normal across Madhya Pradesh, Gujarat, and Maharashtra. The poor monsoon likely delayed planting in the aforementioned

states or forced farmers to switch to other less water intensive crops. In addition, showers were lacking in northern rice and cotton areas (crops are heavily irrigated in northern states). The monsoon typically reaches its peak in both intensity and coverage by mid-July. Improvements in monsoon rain in central and western growing areas are needed to prevent further declines in yields. In other parts of the region, below-normal rainfall continued in Pakistan, although cotton and rice are irrigated and crop prospects remained stable. In Bangladesh and Sri Lanka, monsoon rainfall has been favorable for rice, with both areas receiving upwards of 100 mm for the week.

EASTERN ASIA  
 Total Precipitation (mm)  
 JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
 Computer generated contours  
 Based on preliminary data

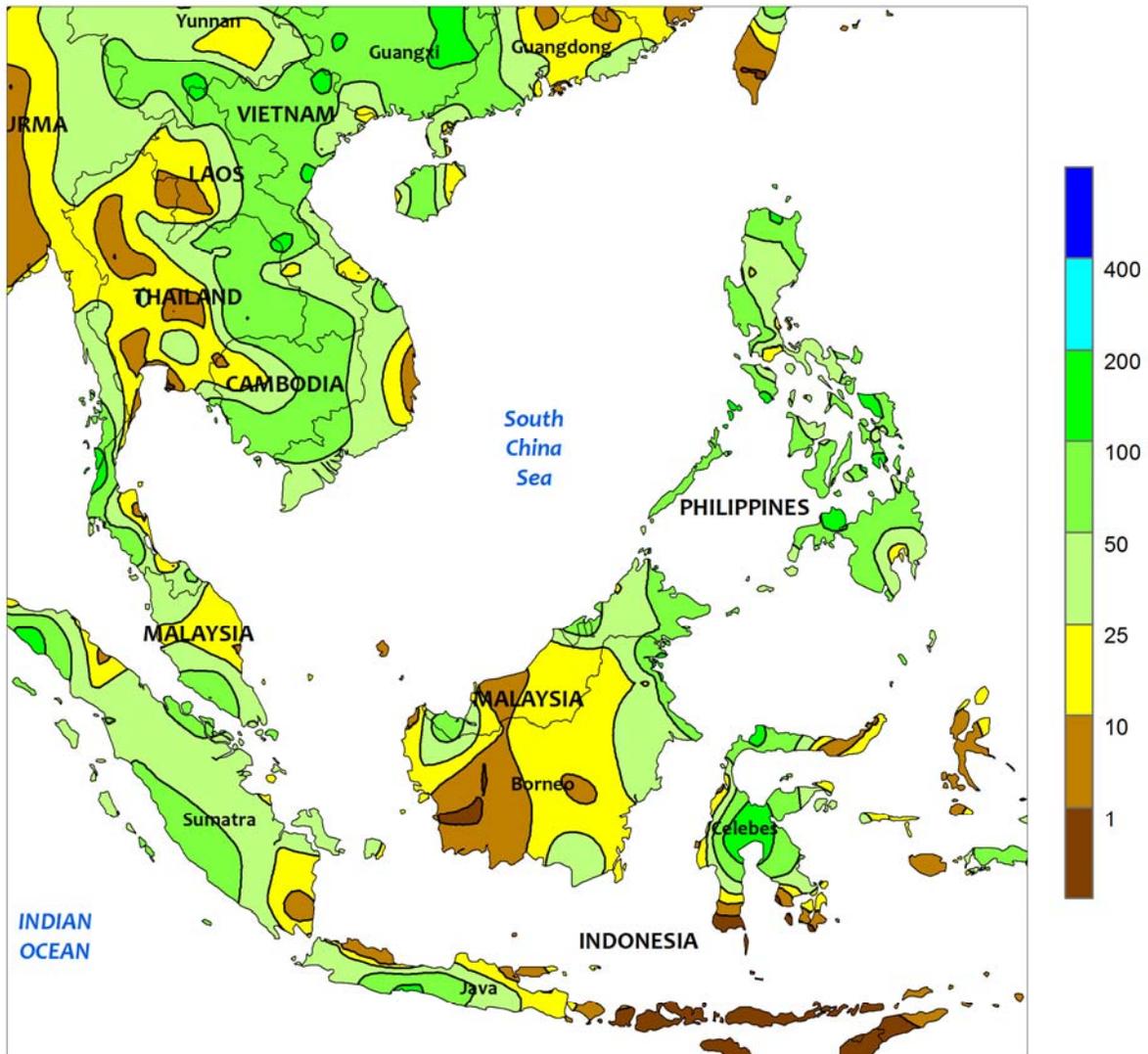


**EASTERN ASIA**

Widespread monsoon showers continued across much of China, although mostly dry weather prevailed in portions of the northeast. Rainfall was spotty in northeastern China, with most crop areas receiving less than 10 mm. Despite the recent dryness, seasonal (since May 1) rainfall remained above normal. However, neighboring areas of Inner Mongolia have had little rainfall over the last few weeks, increasing irrigation demands. Farther south, rainfall totals for the week averaged 30 mm on the North China Plain, with isolated amounts over 50 mm in Shandong. Overall, rainfall has been consistent in Hebei and Shandong but more limited in Henan as well as northern Anhui and Jiangsu. Meanwhile, moisture conditions improved across the Yangtze Valley, as weekly rainfall totals

averaging nearly 175 mm provided a significant boost to moisture supplies in the east, and more consistent rainfall (averaging 30 mm) occurred in central and western areas. In Hubei, however, seasonal rainfall remained half of the normal amount, even with the improvements in rain. In southern China, heavy showers (50-100 mm, locally up to 300 mm) continued to benefit late-season rice. Elsewhere in the region, showers (25-50 mm) along the eastern half of the Korean Peninsula improved moisture conditions for rice in these areas, but the more agricultural intensive western areas remained unfavorably dry. Showers (50-100 mm) in northern and central Japan maintained favorable moisture supplies for rice, while more rain is needed in southern growing areas.

SOUTHEAST ASIA  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

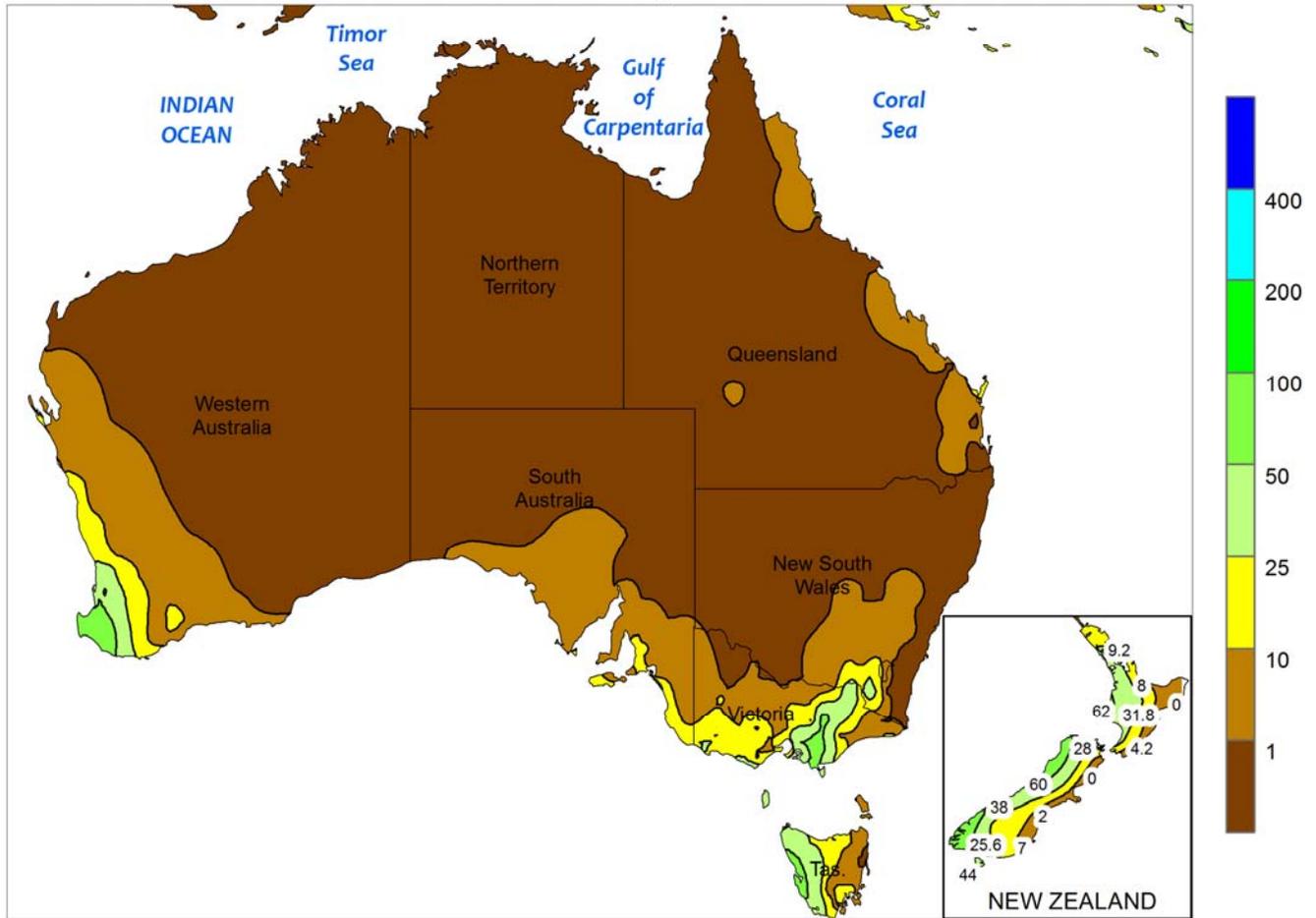


**SOUTHEAST ASIA**

In Thailand, monsoon showers improved across some areas, with 50 to 100 mm of rain occurring across the Northeast Region. However, a slow start to the rainy season and lagging rainfall in the Central Plain and parts of the North Region left significant seasonal moisture deficits for rice. Similarly, much of southern Vietnam was also experiencing below-normal rainfall despite fairly consistent rain over the last few weeks.

Meanwhile in the Philippines, heavy showers (50-100 mm) continued but not at a seasonable level. Most regions continued to experience below-normal rainfall for the season (beginning May 1), with the exception of far northern regions in Luzon. In oil palm areas of Indonesia and Malaysia, harvesting progressed with few delays, as rainfall was light (less than 25 mm) in most areas.

AUSTRALIA  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

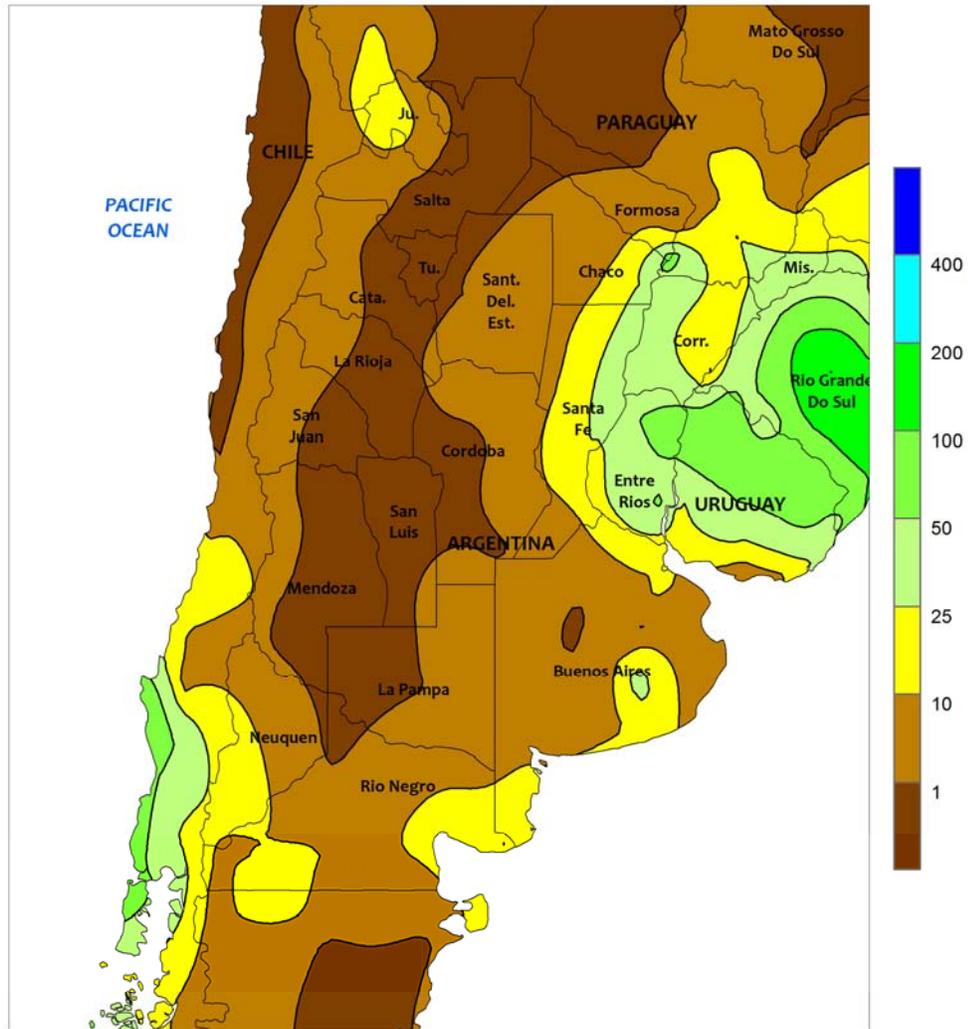


**AUSTRALIA**

In Western Australia, intermittent showers (5-25 mm) and sunshine maintained near ideal conditions for vegetative winter grains and oilseeds. Similarly, scattered showers (2-10 mm, locally more) in South Australia, Victoria, and southern New South Wales maintained adequate to locally abundant soil moisture for early-season wheat, barley, and canola development. Farther north, dry weather in northern New

South Wales and southern Queensland led to net evaporative losses, but topsoil moisture remained generally adequate for wheat and other winter crops. Temperatures in these areas averaged near to slightly below normal (up to 1°C below normal). In contrast, temperatures in southeastern and western Australia averaged near to slightly above normal (up to 1°C above normal).

ARGENTINA  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

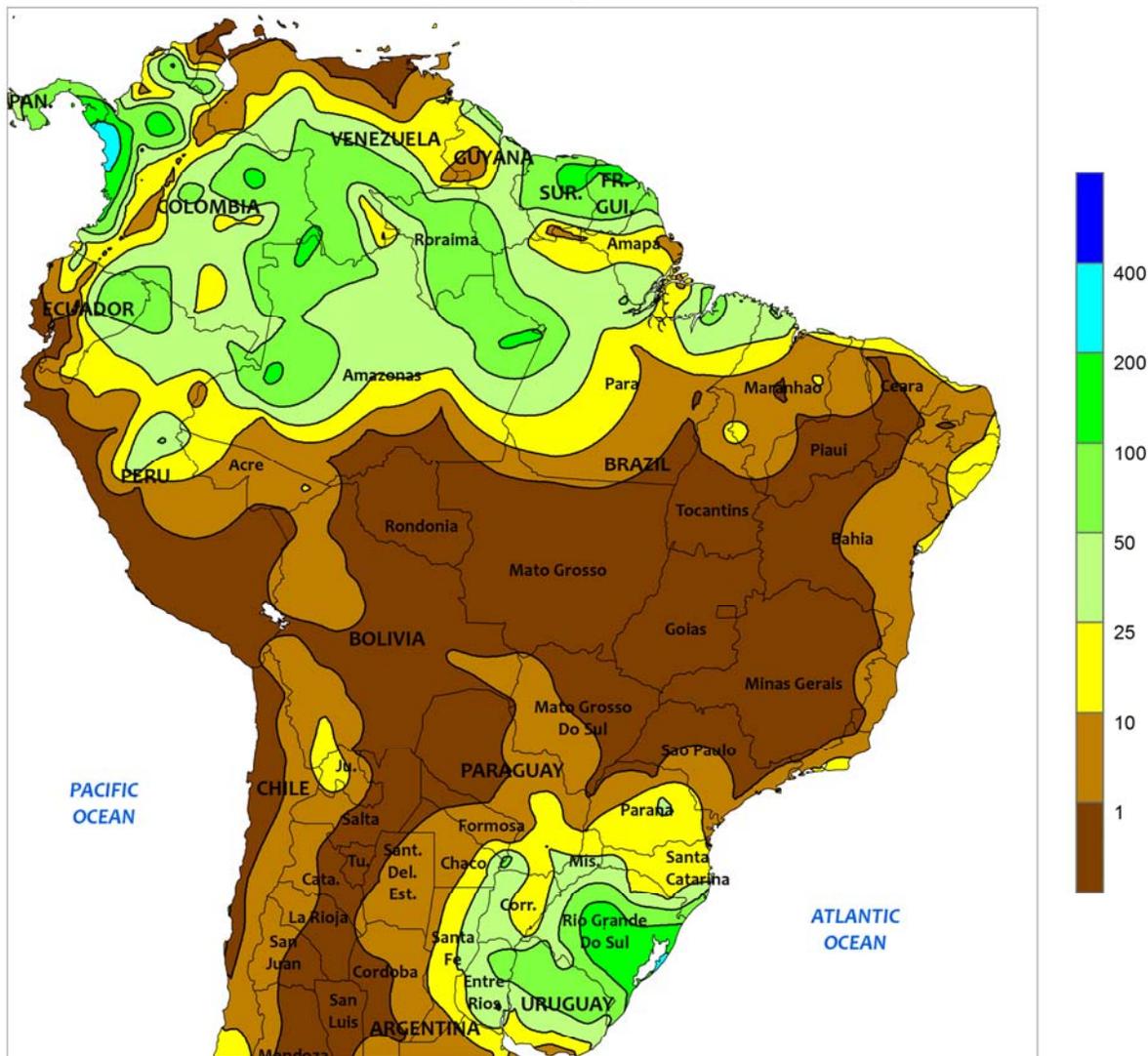


**ARGENTINA**

Rain lingered in parts of the northeast, maintaining slow rates of seasonal fieldwork, in particular harvesting of cotton and corn. Rainfall totaled more than 25 mm from eastern Chaco and Entre Rios eastward through Uruguay and southern Brazil. Amounts totaling more than 10 mm reached as far west as Cordoba, though many other western production areas (La Pampa and southwestern Buenos Aires northward to Salta) received little to no rain. However, rain was returning to La Pampa and Buenos Aires at week's end, promising to cause additional delays in fieldwork. Weekly average temperatures were near to slightly above normal, with some of the wetter sections of the northeast averaging

more than 2°C above normal. Daytime highs ranged from the middle and upper teens (degrees C) in the main southern production areas to the upper 20s in the far north, though most areas recorded several considerably cooler days (highs from 10°C in the south to 20°C farther north). Freezes extended as far north as Santiago del Estero. According to Argentina's Ministry of Agriculture, soybeans were 97 percent harvested as of July 3. Corn was 59 percent harvested, compared with 91 percent last year. As expected, cotton harvesting is reportedly progressing slowly in areas recently receiving heavy rainfall. In addition, winter wheat was 62 percent planted, same as last year.

BRAZIL  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

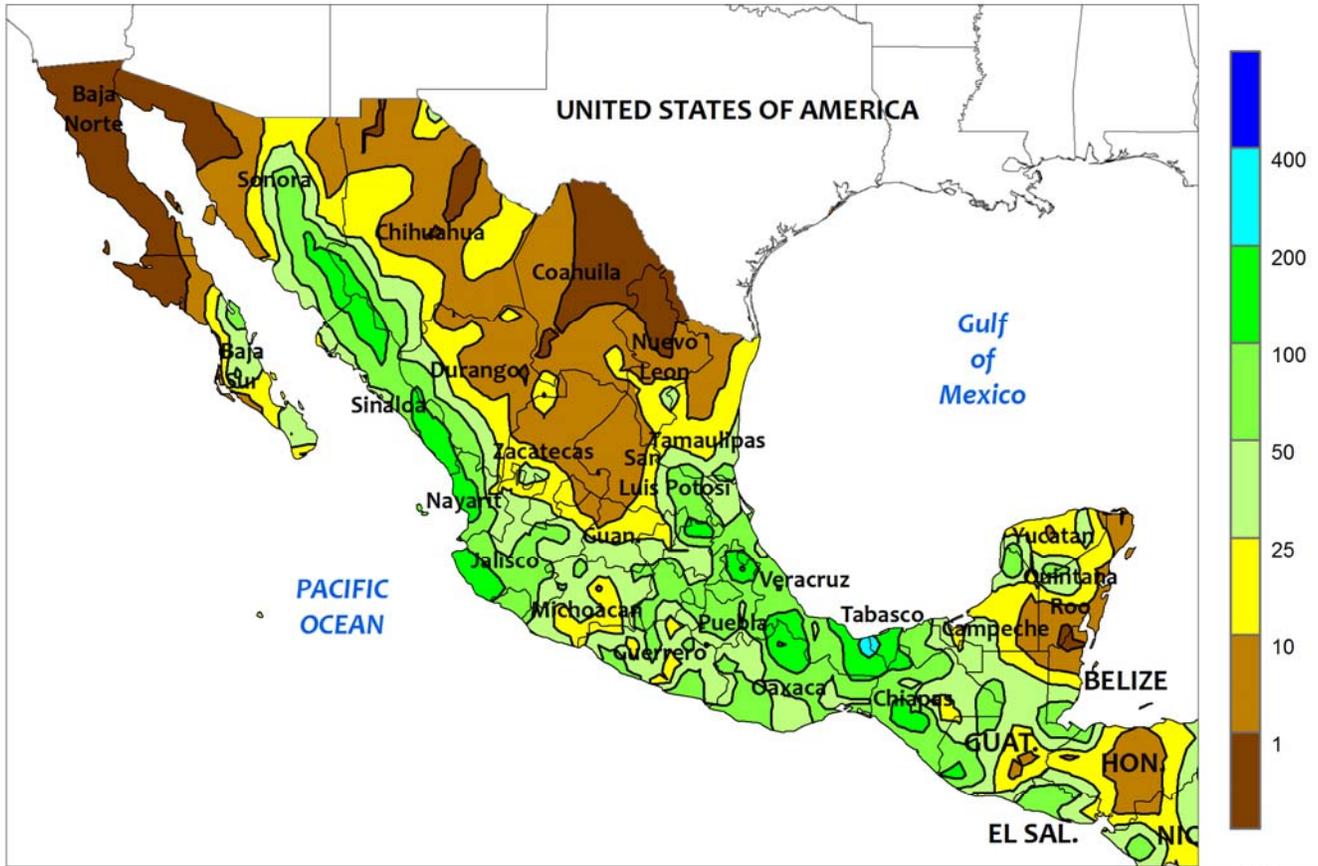


**BRAZIL**

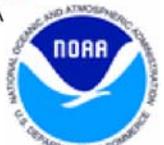
Heavy rain lingered over portions of the south, but drier conditions dominated other major agricultural areas, promoting winter wheat development and harvesting of summer crops. Rainfall continued to total more than 100 mm in parts of Rio Grande do Sul, keeping emerging to vegetative winter wheat unfavorably wet. However, showers (5-25 mm) tapered off from last week's soaking over southern Parana and Santa Catarina, bringing some relief from excessive wetness and flooding. Meanwhile, dry weather continued to dominate other southern production areas (Mato Grosso throughout Minas

Gerais), favoring development of second-crop (safrinha) corn and supporting harvesting of sugarcane, coffee, and citrus. Near- to above-normal temperatures (daytime highs in the upper 20s and lower 30s degrees C) aided crop drydown and harvesting and fostered rapid maturation of safrinha corn. Seasonably dry, generally warm weather also dominated central Brazil and the northeastern interior, with temperatures in the middle 30s maintaining overall favorable conditions for maturing cotton and corn. Showers diminished along the eastern coast, with just a few locations recording more than 10 mm.

MEXICO  
 Total Precipitation (mm)  
 JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
 Computer generated contours  
 Based on preliminary data

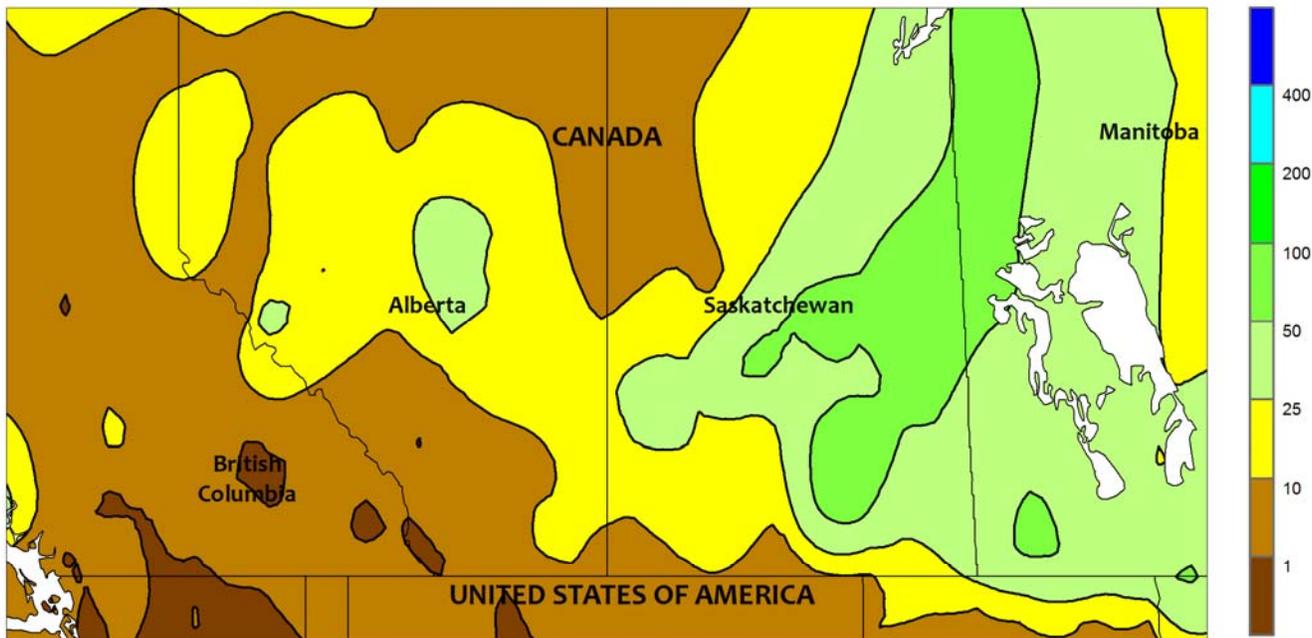


**MEXICO**

Rainfall maintained mostly favorable conditions for corn and other rain-fed summer crops in major southern production areas. Showers totaled more than 50 mm in eastern sections of the southern plateau (notably Mexico and Puebla); somewhat heavier rain (locally more than 100 mm) extended from southern Tamaulipas southeastward to Chiapas, maintaining abundant levels of moisture for sugarcane and other crops while increasing reservoir levels. Beneficial rain (25-100 mm) also continued along the southern Pacific Coast, and in western

parts of the southern plateau (central Jalisco and Michoacan), though pockets of dryness extended from central Mexico southward into northeastern Jalisco. The monsoon extended northward through Sonora and Chihuahua, with heavy rain (greater than 50 mm) concentrated over Sinaloa. In contrast, mostly dry, generally warmer conditions (daytime highs approaching 40°C) dominated the northeast, fostering drydown and harvesting of winter grains while maintaining high moisture demands of summer crops and livestock.

CANADIAN PRAIRIES  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data

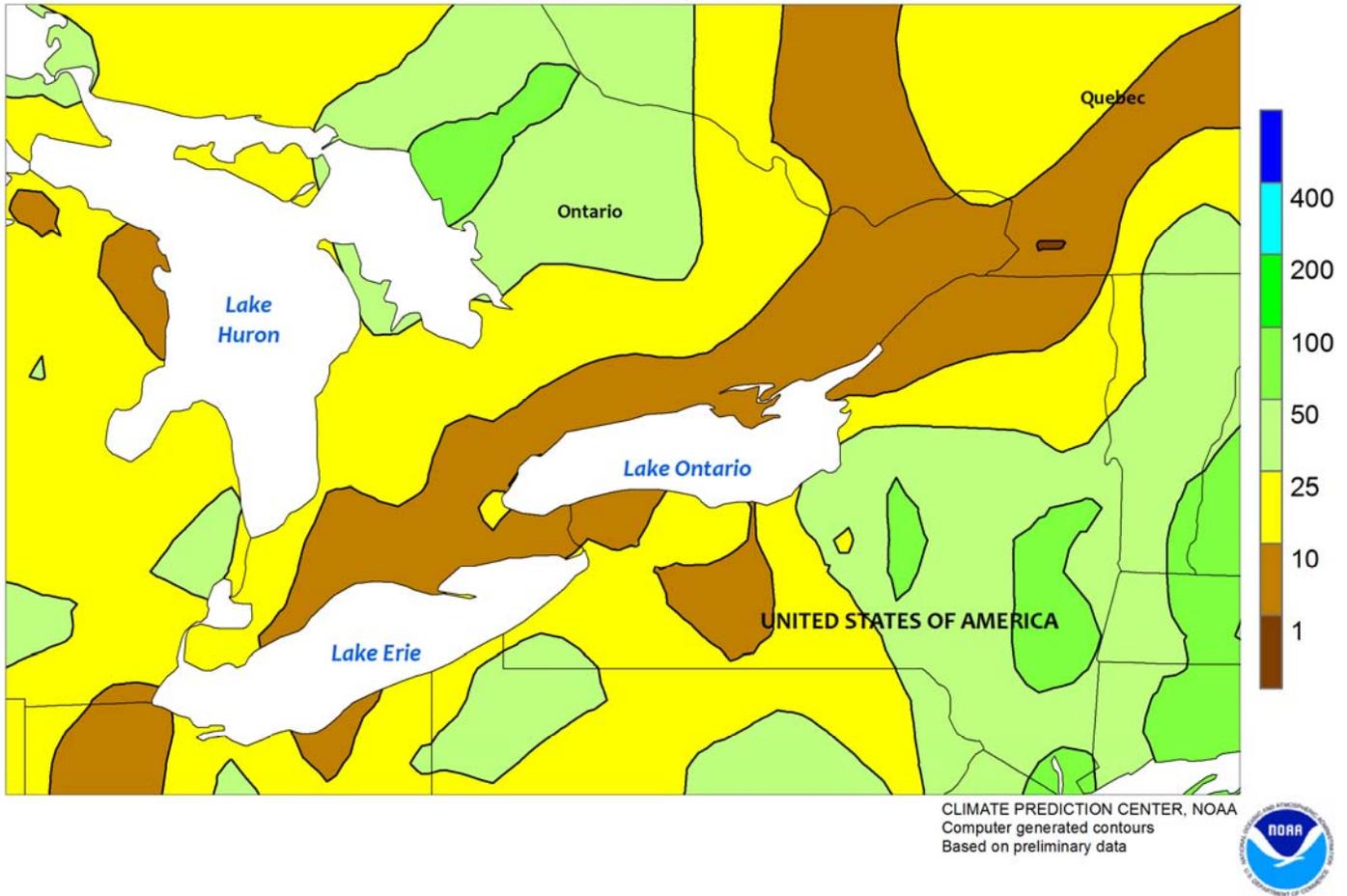


**CANADIAN PRAIRIES**

Chronic wetness sustained field ponding in eastern sections of the Prairies. Rainfall totaled more than 25 mm in southwestern Manitoba and in Saskatchewan's central and northern agricultural districts, with some areas recording more than 50 mm. Similar amounts were reported in Alberta's northern farming areas, but most other Prairie agricultural districts received 5 to 25 mm. Much of the rain fell early in the week

and was accompanied by unseasonably cool weather, with highs mainly in the upper teens and lower 20s (degrees C). However, temperatures rose throughout the week as warmer conditions developed (daytime highs reached the upper 20s and lower 30s); as a result, weekly temperatures averaged near to slightly above normal in Manitoba and eastern Saskatchewan and 2 to 3°C above normal in the west.

SOUTHEASTERN CANADA  
Total Precipitation (mm)  
JUN 29 - JUL 5, 2014



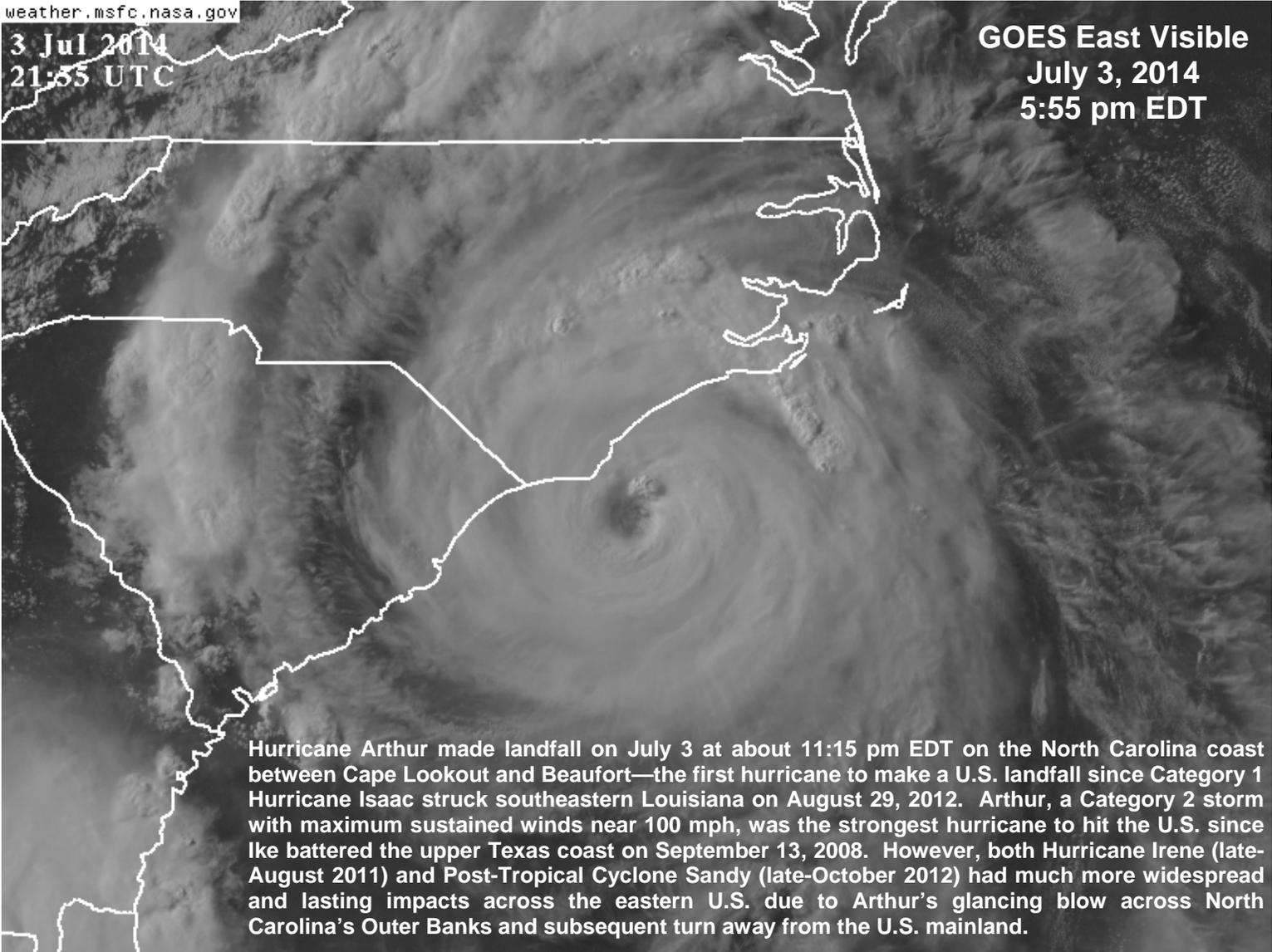
**SOUTHEASTERN CANADA**

Warm, mostly dry weather favored growth of winter wheat, summer crops, and pastures. Many agricultural districts averaged less than 10 mm of rainfall, though a few locations reported rainfall greater than 25 mm. Parts of the region have been trending drier than normal since early June, helping to reverse previous problems with excessive wetness. In

addition, weekly temperatures averaging 1 to 3°C above normal fostered more rapid development of crops that had been lagging development due to late planting and earlier periods of coolness. Daytime highs reached the upper 20s and lower 30s (degrees C) on several days, although the passage of a cold front brought somewhat cooler conditions at mid-week.

3 Jul 2014  
21:55 UTC

GOES East Visible  
July 3, 2014  
5:55 pm EDT



Hurricane Arthur made landfall on July 3 at about 11:15 pm EDT on the North Carolina coast between Cape Lookout and Beaufort—the first hurricane to make a U.S. landfall since Category 1 Hurricane Isaac struck southeastern Louisiana on August 29, 2012. Arthur, a Category 2 storm with maximum sustained winds near 100 mph, was the strongest hurricane to hit the U.S. since Ike battered the upper Texas coast on September 13, 2008. However, both Hurricane Irene (late-August 2011) and Post-Tropical Cyclone Sandy (late-October 2012) had much more widespread and lasting impacts across the eastern U.S. due to Arthur’s glancing blow across North Carolina’s Outer Banks and subsequent turn away from the U.S. mainland.

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