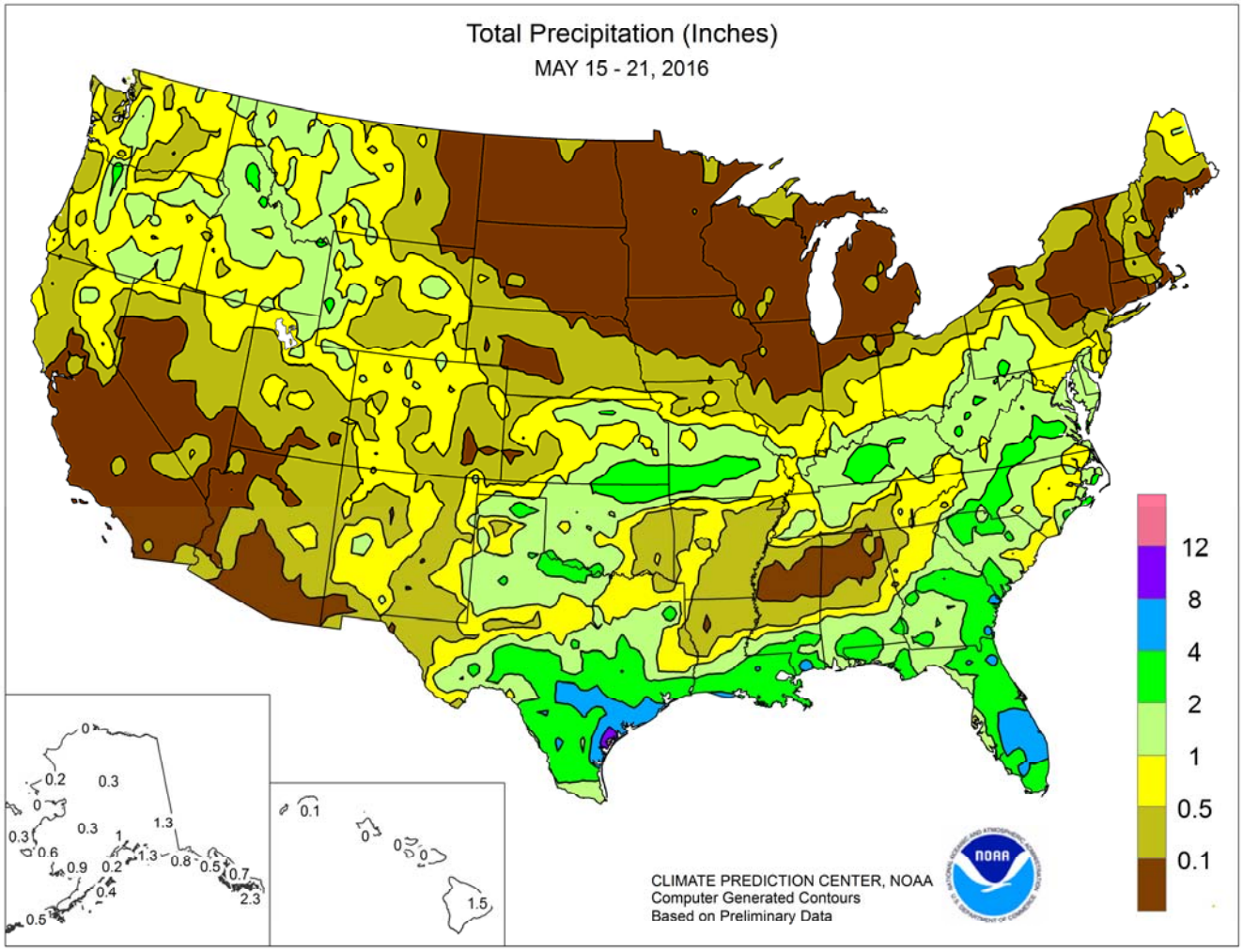
Volume 103, No. 21 http://www.usda.gov/oce/weather May 24, 2016

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

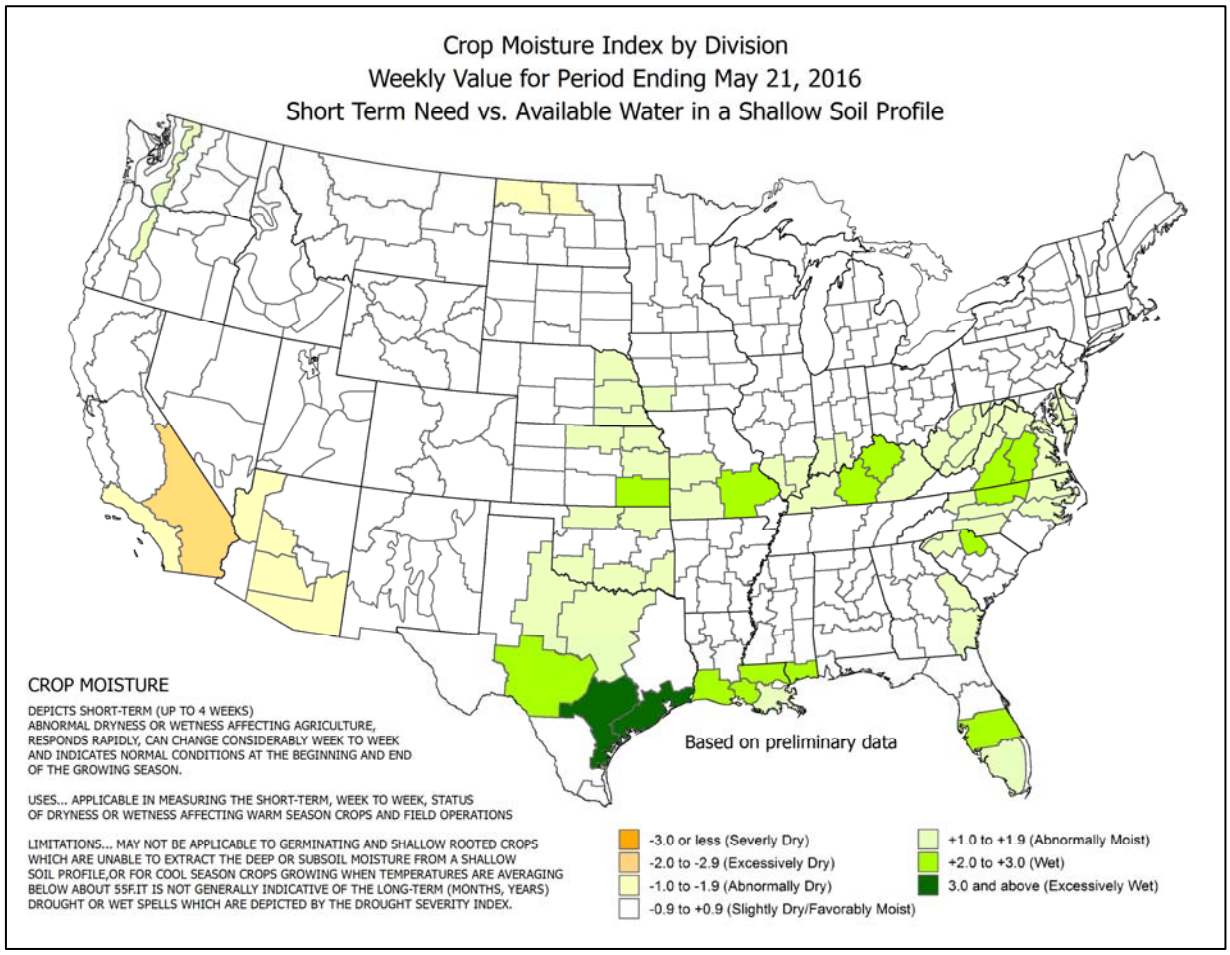
May 15 – 21, 2016

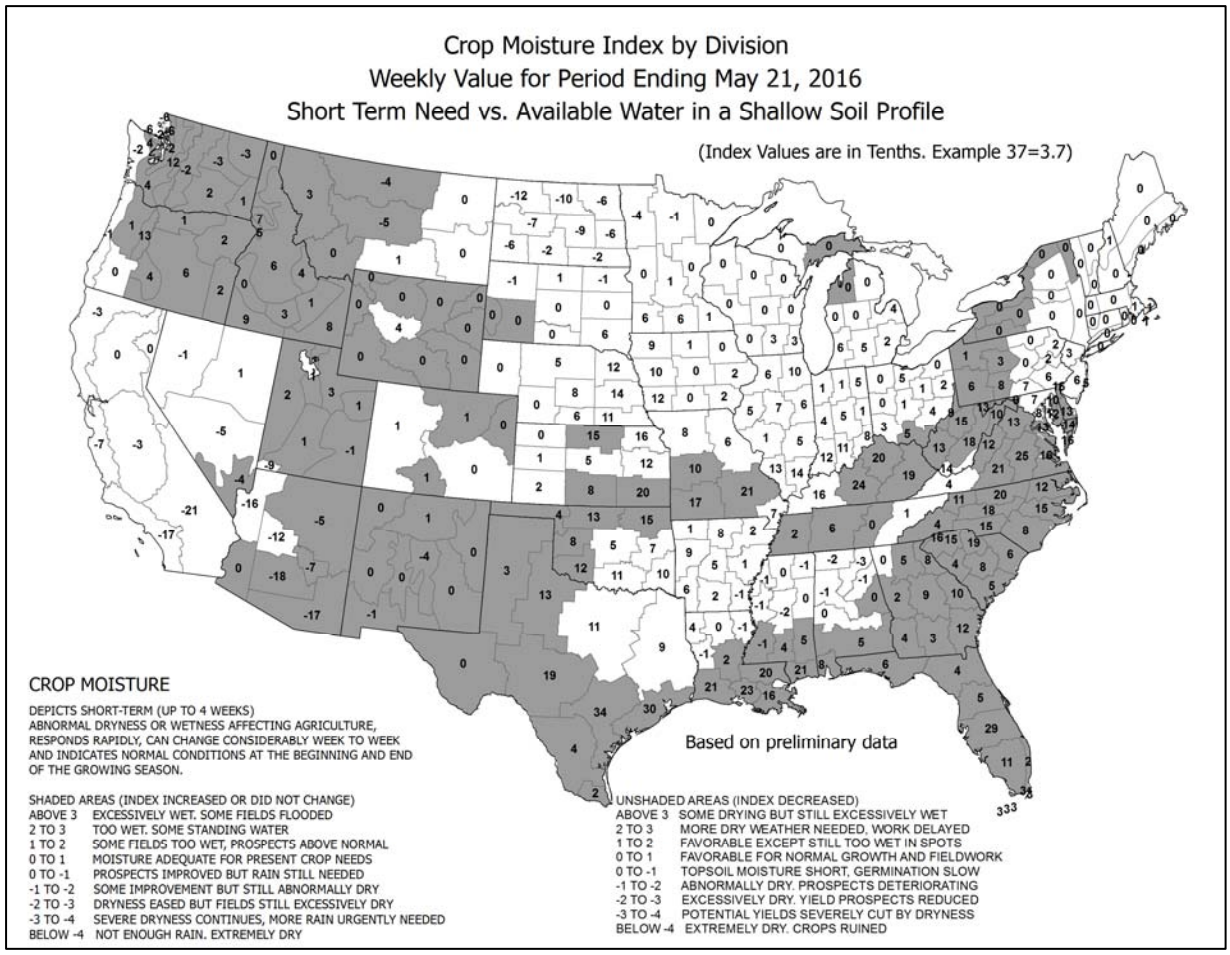
Highlights provided by USDA/WAOB

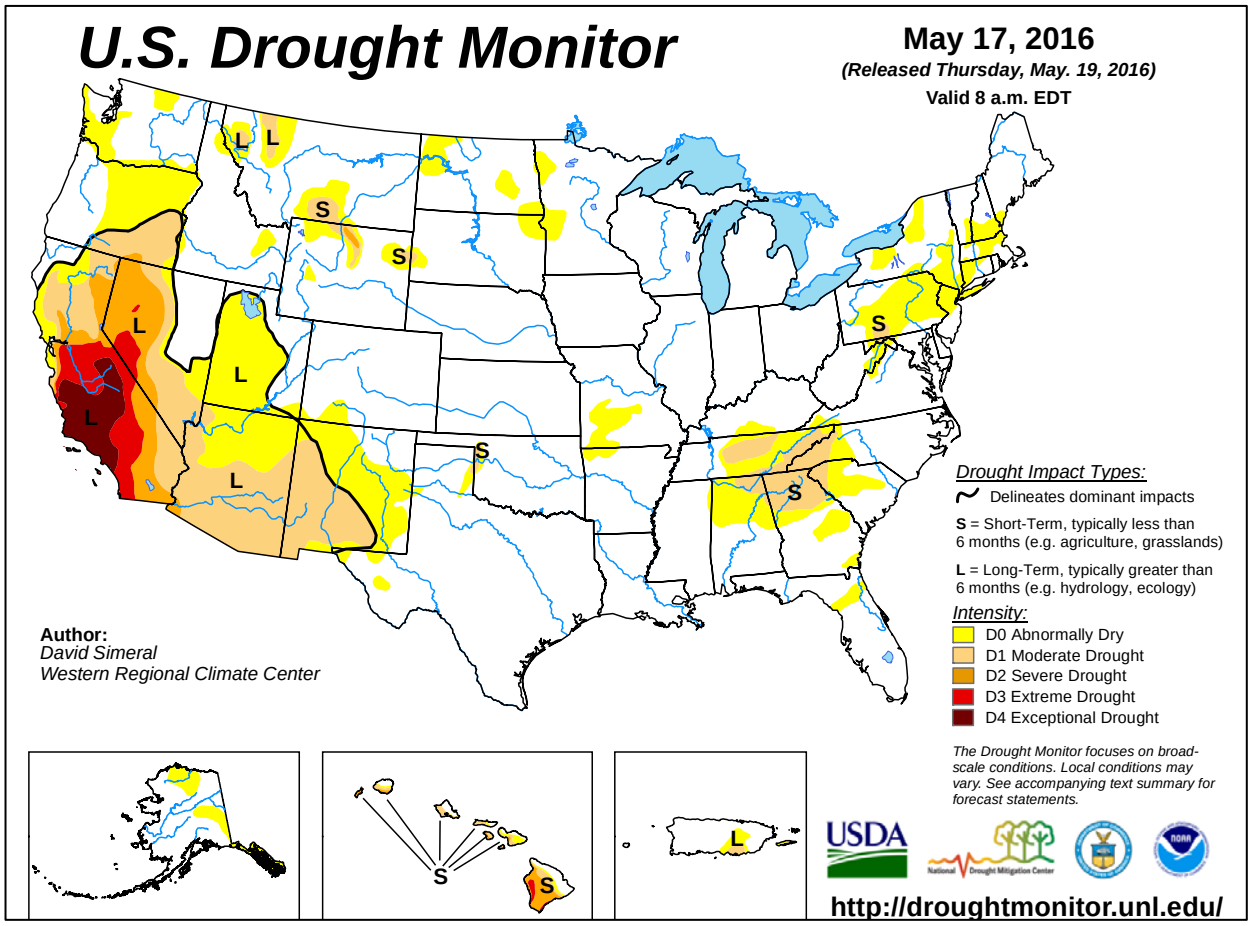
Mostly dry weather prevailed from the **upper Midwest into New England**, affording producers with an opportunity to resume planting operations and other fieldwork. However, cool weather slowed evaporation rates, limiting fieldwork in some of the wettest areas, including the **lower Great Lakes States**. The cool conditions also slowed **Midwestern** corn and soybean germination, while early-week frost threatened crops that had already emerged. On May 14-15, freezes affected portions of the **upper Midwest** and the **Great Lakes**

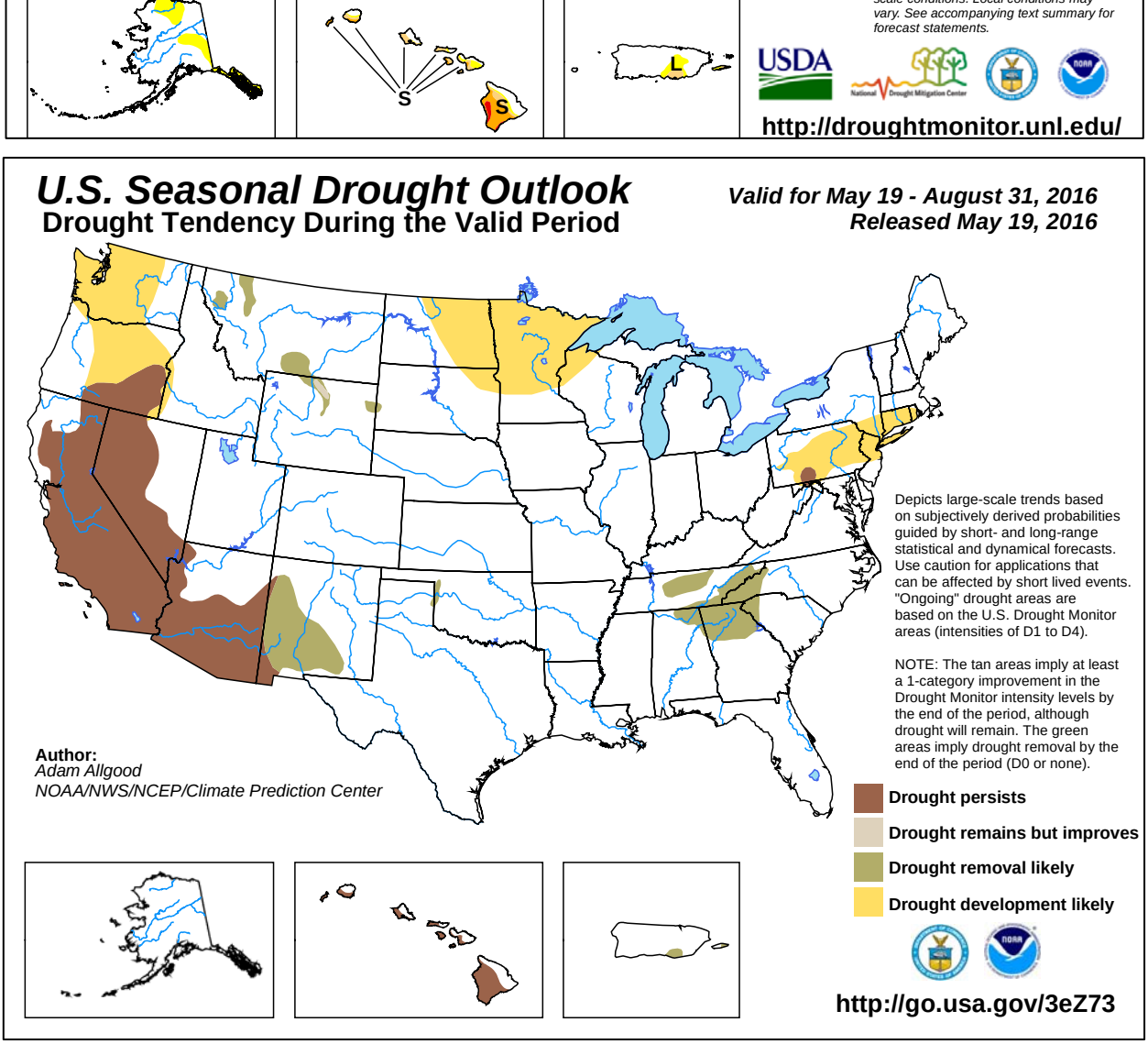
(Continued on page 5)

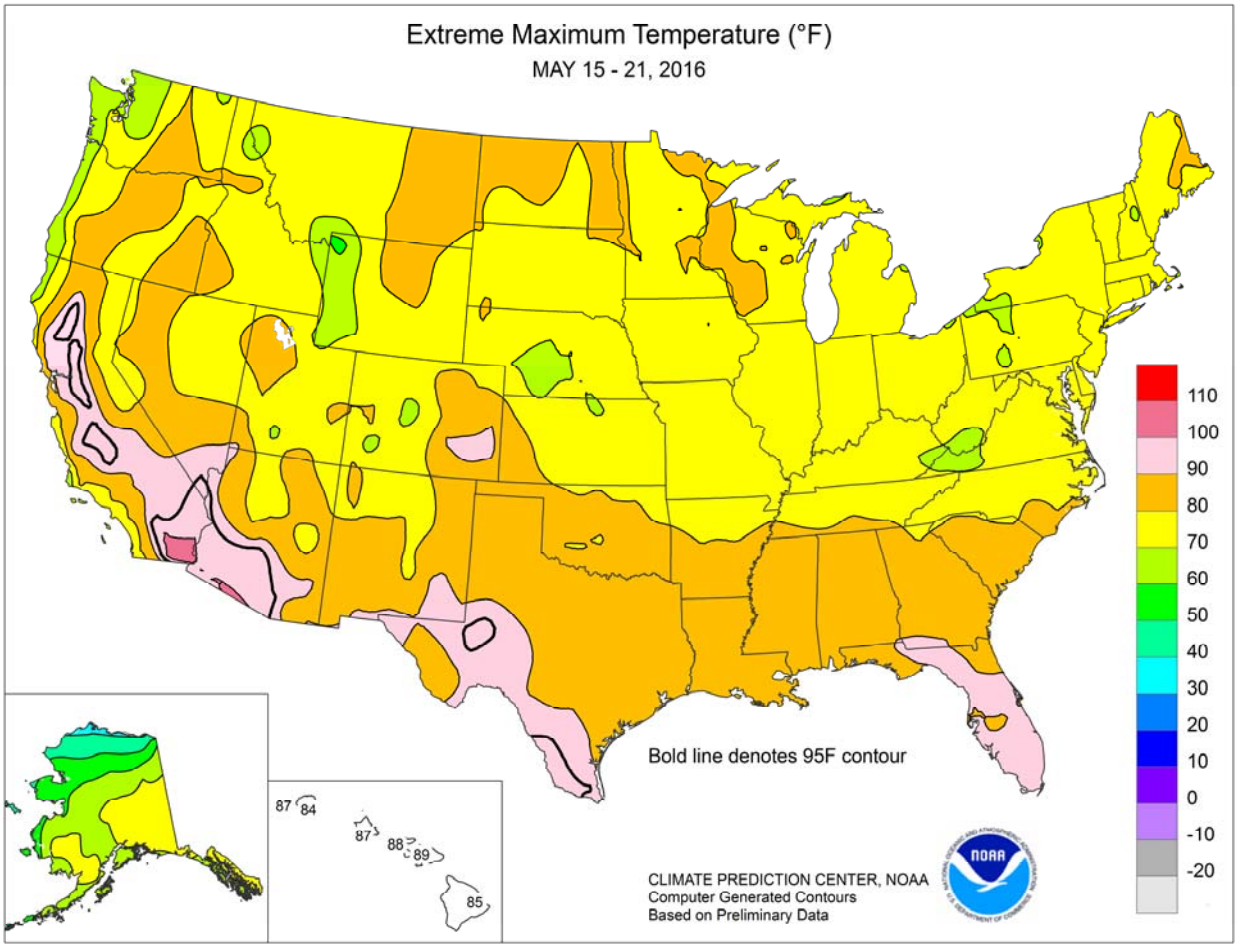
Contents

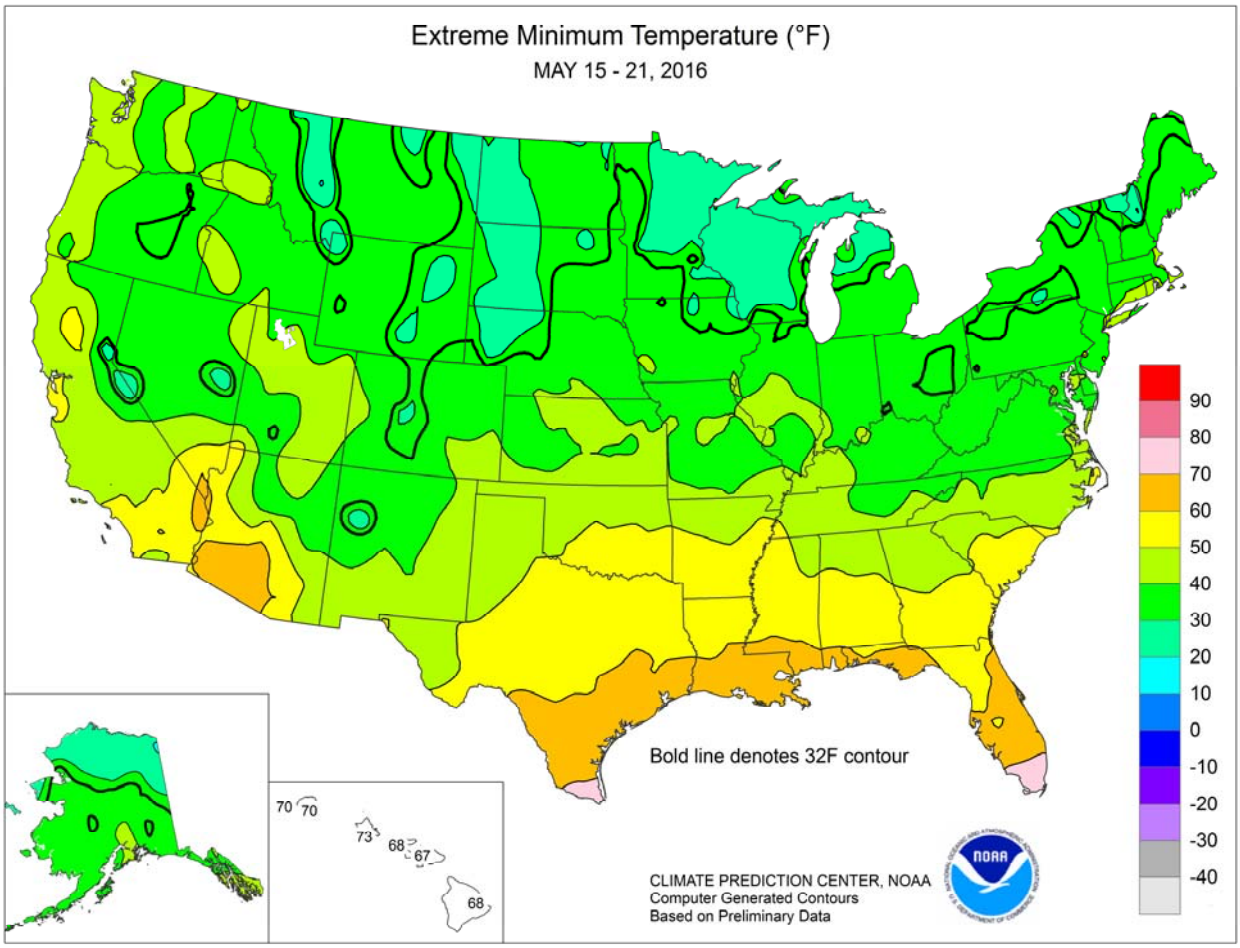

Crop Moisture Index by Division
Weekly Value for Period Ending May 21, 2016
Short Term Need vs. Available Water in a Shallow Soil Profile
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW SOIL PROFILE,OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F.IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary data
-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)


Crop Moisture Index by Division
Weekly Value for Period Ending May 21, 2016
Short Term Need vs. Available Water in a Shallow Soil Profile
(Index Values are in Tenths. Example 37=3.7)
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
Based on preliminary data
SHADED AREAS (INDEX INCREASED OR DID NOT CHANGE)
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET, PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES, MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. EXTREMELY DRY
UNSHADED AREAS (INDEX DECREASED)
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT. GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. CROPS RUINED


U.S. Drought Monitor
May 17, 2016
(Released Thursday, May. 19, 2016)
Valid 8 a.m. EDT
Author:
David Simeral
Western Regional Climate Center
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
http://droughtmonitor.unl.edu/

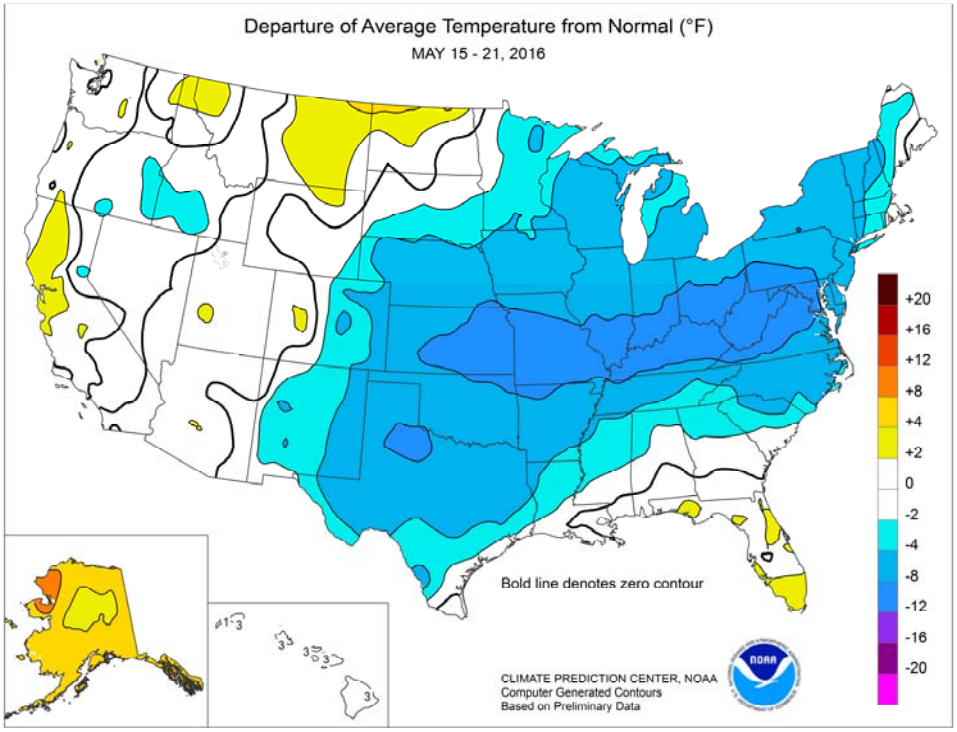

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for May 19 - August 31, 2016
Released May 19, 2016
Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely
http://go.usa.gov/3eZ73


Extreme Maximum Temperature (°F)
MAY 15 - 21, 2016
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95F contour
87
84
87
88
89
85
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data


Extreme Minimum Temperature (°F)
MAY 15 - 21, 2016
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32F contour
70
70
73
68
67
68
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data

(Continued from front cover)

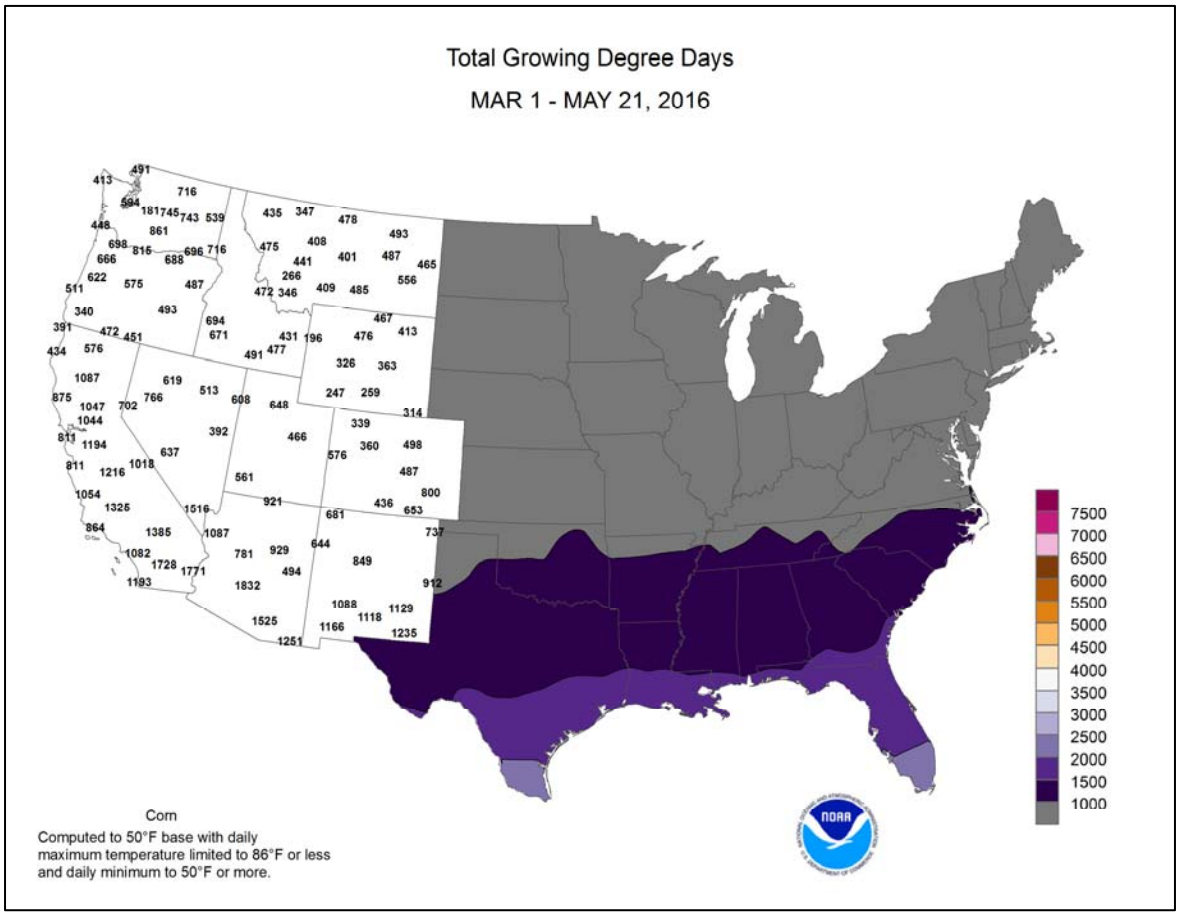
region. At the time of the mid-May freezes, more than half (53 percent) of the corn had emerged in **Minnesota**, along with 22 percent in **North Dakota** and 17 percent in **South Dakota** and **Wisconsin**. On May 16, lingering cold weather in the **Ohio Valley** and the **Northeast** led to some additional frost. Farther south, cool, showery weather prevailed in most areas from the **central and southern Plains into the middle and southern Atlantic States**. From the **central Plains into the Ohio Valley and Mid-Atlantic States**, weekly temperatures averaged as much as 10°F below normal. Some of the heaviest rain, locally 4 inches or more, fell in the **western Gulf Coast region** and the **southern Atlantic States**. In contrast, a small area of the **Southeast**—stretching southwestward from **northern Alabama**—received little or no rain. Meanwhile, wet weather subsided across the **central and southern Plains**, following early-to mid-week rainfall. On the **northern Plains**, several days of dry weather favored planting activities. Late in the week, rain returned to **Montana's High Plains**, while showers and thunderstorms began to develop farther south. Elsewhere, markedly cooler air arrived in the **West**, following a period of warmth. In the **Northwest**, highly beneficial showers preceded and accompanied the transition to cool conditions, aiding winter wheat and spring-sown crops.

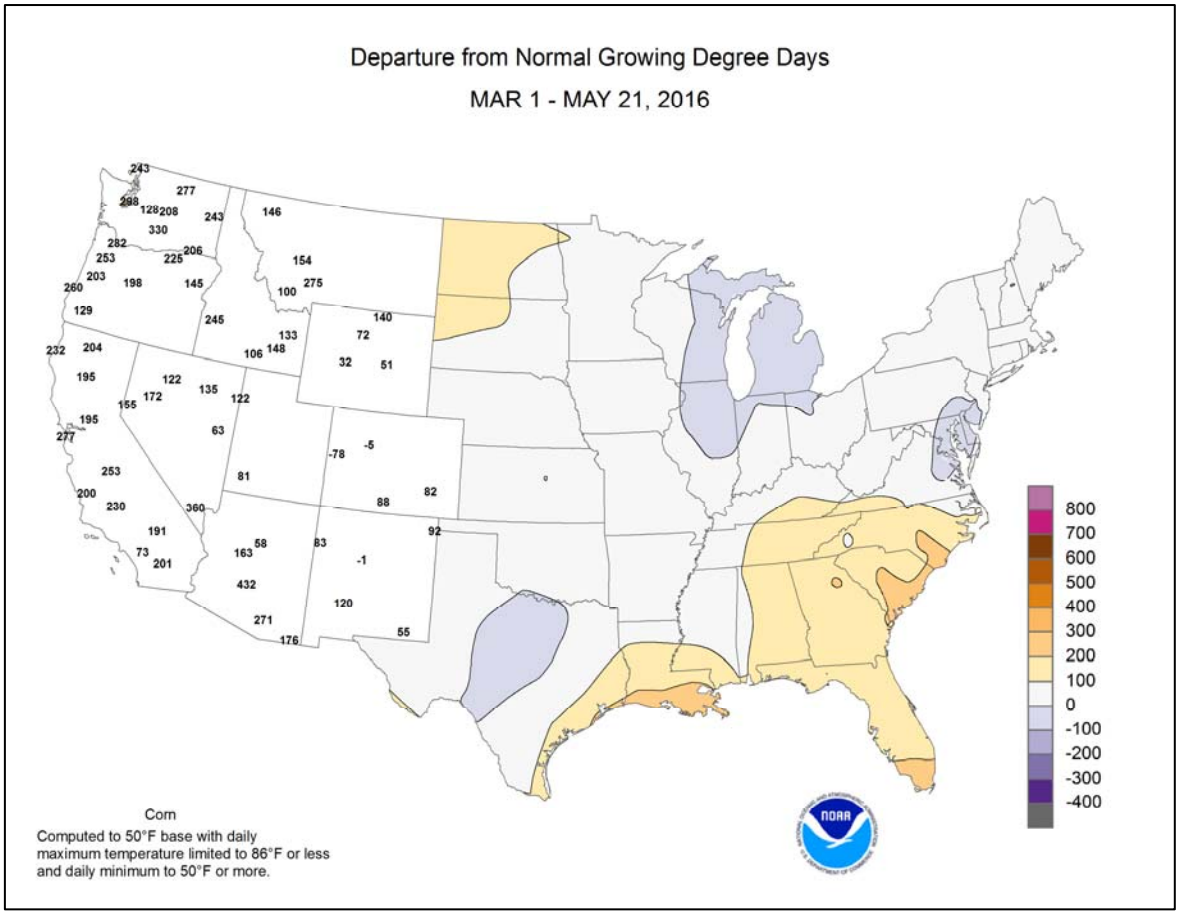


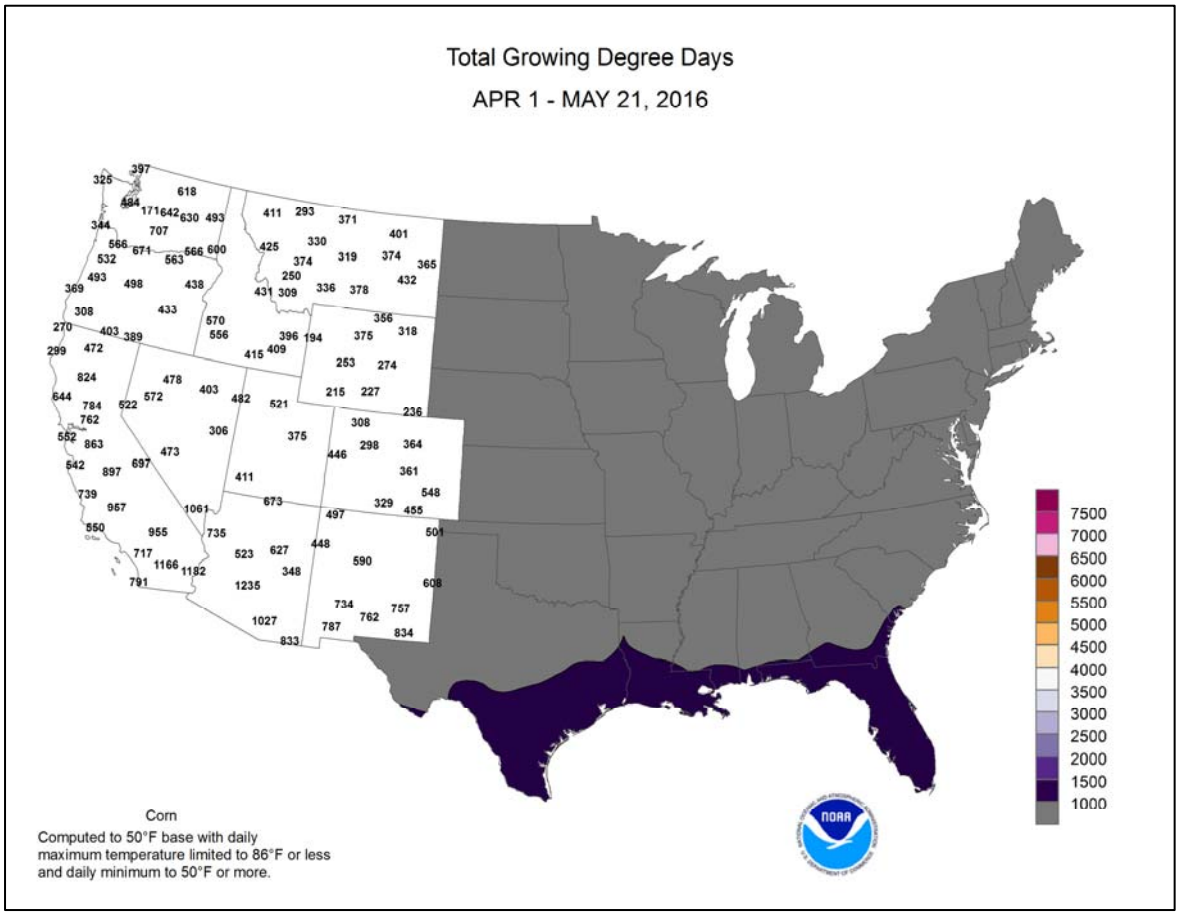
The cool spell that arrived across the **upper Midwest** on May 14 spread into portions of the **Great Lakes and Northeastern States** on May 15-16. Record-setting minimum temperatures for the May 15 dipped to 27°F in **Eau Claire, WI**; 28°F in **Mason City, IA**; and 31°F in **Rockford, IL**, and **South Bend, IN**. On May 16, lingering cold weather in the **Ohio Valley** and the **Northeast** led to daily-record lows in locations such as **Binghamton, NY** (30°F); **Cincinnati, OH** (31°F); **Dubois, PA** (31°F); and **Parkersburg, WV** (32°F). For the remainder of the week, low daytime temperatures in the **central and eastern U.S.** were the most significant anomaly. On May 16-17, high temperatures failed to top the 55-degree mark on consecutive days in **Vichy-Rolla, MO** (55 and 53°F). With a high of 54°F on May 17, **Evansville, IN**, reported its latest spring maximum temperature below the 55-degree mark. Across the **southern Plains**, maximum temperatures stayed below the 60-degree mark all day on May 18 in locations such as **Roswell, NM** (56°F), and **San Angelo, TX** (59°F). Late-week temperatures quickly rebounded, however, in the **central U.S.** On May 21, highs soared to 93°F in **Roswell** and 90°F in **San Angelo**.

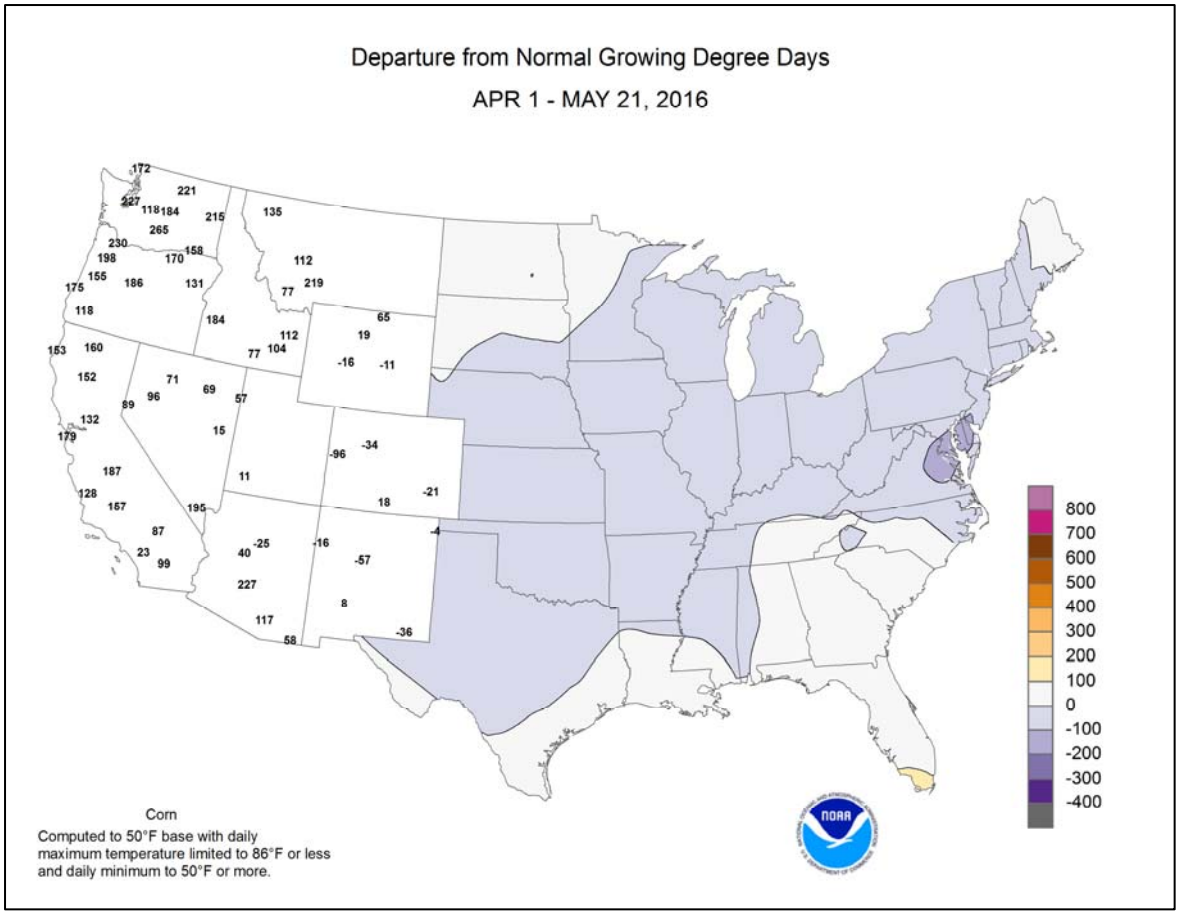
Widespread snow showers accompanied the late-season cold snap. **Grand Rapids, MI**, received its first trace of snow on May 15 since 1973. Similarly in **New York**, **Buffalo** and **Rochester** noted their first traces of snow on May 15 since 1959. Accumulating snow spread across **northern New England** on May 16, when **Caribou, ME**, collected a daily-record total of 4.5 inches. Meanwhile, torrential rainfall drenched parts of **southern and eastern Texas**. **McAllen, TX**, netted a daily-record sum of 2.91 inches on May 15. **Corpus Christi, TX**, officially reported 5.01 inches of rain on May 15-16, while totals reached 10 to 12 inches or more in neighboring communities such as **Ingleside** and **Aransas Pass**. On May 17, inundating rainfall drenched parts of **Florida**, where **Vero Beach** (11.22 inches) experienced its wettest day on record. Previously, **Vero Beach's** wettest day had been 8.82 inches on January 21, 1957, while its wettest day in May had been 5.50 inches on May 9, 1979. Elsewhere in **Florida**, daily-record totals for May 17 included 3.12 inches in **Daytona Beach** and 2.99 inches in **Melbourne**. Heavy showers lingered for several days in various parts of **Florida**; daily-record amounts reached 2.32 inches (on May 18) in **West Palm Beach** and 3.27 inches (on May 19) in **Vero Beach**. Elsewhere, daily-record totals topped 2 inches in several locations, including **Austin, TX** (2.75 inches on May 19); **Joplin, MO** (2.48 inches on May 16); and **Savannah, GA** (2.29 inches on May 17). Late in the week, a pattern change brought cool, showery weather to the **Northwest**. On May 20, **Jerome, ID**, collected a daily-record rainfall (0.53 inch), while **Meacham, OR**, posted a daily-record low (28°F). A day later, **Wenatchee, WA**, tallied a daily-record rainfall (0.65 inch) for May 21.

Significantly cooler air arrived in **Alaska**, accompanied by widespread showers. Despite the cooler weather, above-normal temperatures prevailed in most locations. Warmth lingered early in the week, resulting in consecutive daily-record highs on May 15-16 in **Alaskan** locations such as **Bethel** (73 and 75°F) and **Hyder** (82 and 75°F). Other record-setting highs for May 15 reached 75°F in **Juneau**; 73°F in **Bethel** and **King Salmon**; and 72°F in **Anchorage**. By May 17, heavy precipitation in **southeastern Alaska** led to daily-record totals in **Ketchikan** (1.99 inches), **Annette Island** (1.65 inches), and **Petersburg** (1.52 inches). Showers later spread to the **Alaskan mainland**, where **Bettles** received a daily-record total (0.28 inch) for May 21. Farther south, consistently warm, mostly dry weather prevailed in **Hawaii**. From May 15-20, **Honolulu, Oahu**, posted six consecutive highs of 87°F. **Hawaiian** showers were generally light and confined to windward locations; on the **Big Island**, **Hilo's** weekly rainfall of 1.54 inches boosted its month-to-date total to 2.90 inches (48 percent of normal).


Total Growing Degree Days
MAR 1 - MAY 21, 2016
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.

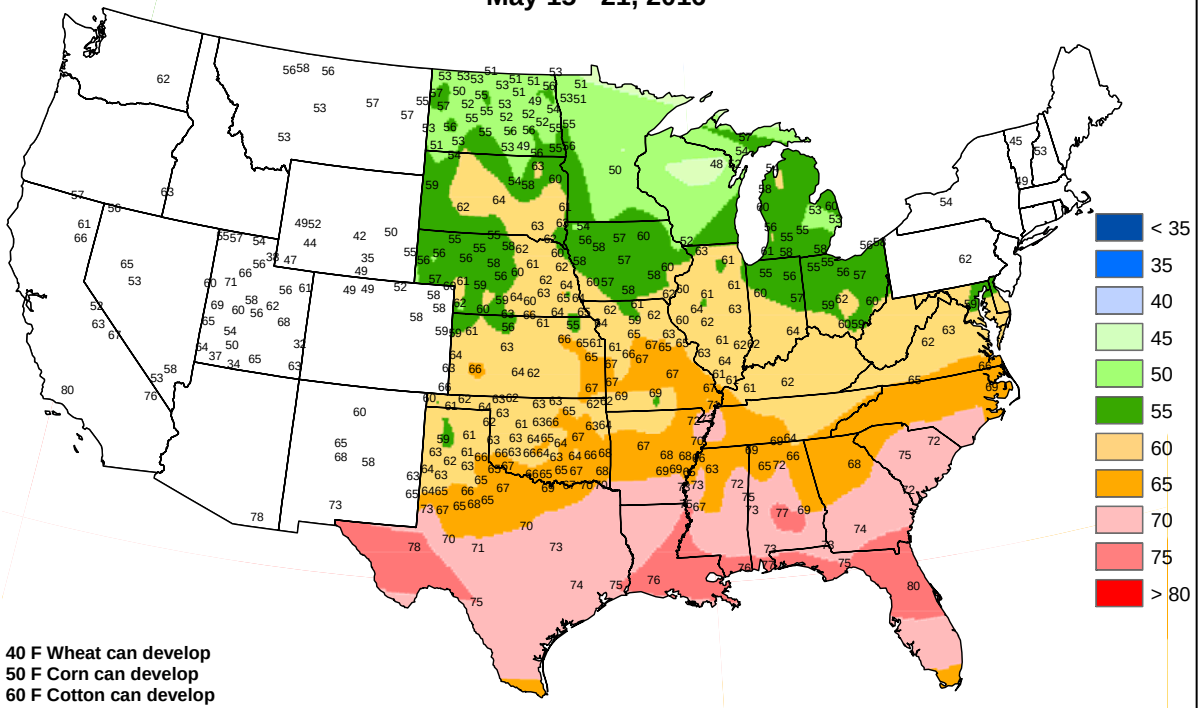

Departure from Normal Growing Degree Days
MAR 1 - MAY 21, 2016
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Total Growing Degree Days
APR 1 - MAY 21, 2016
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
APR 1 - MAY 21, 2016
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.

Average Soil Temperature (Deg. F, 4" Bare)

May 15 - 21, 2016



40 F Wheat can develop
50 F Corn can develop
60 F Cotton can develop

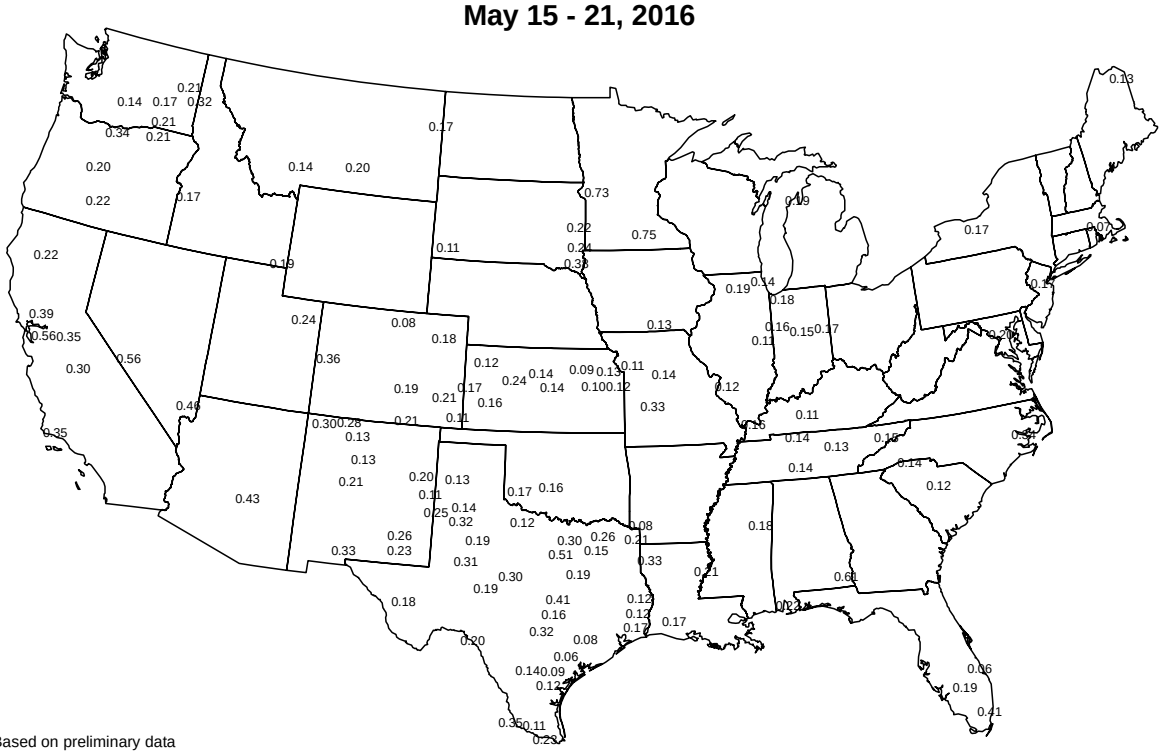
Based on preliminary data.

Supplemental data provided by Alabama A&M University, Bureau of Reclamation - Pacific Northwest Region AgriMet Program, High Plains Regional Climate Center, Illinois State Water Survey, Iowa State University, Louisiana Agriclimatic Information System, Mississippi State Univeristy, Oklahoma Mesonet, Purdue University, University of Missouri and USDA/NRCS Soil Climate Analysis Network.

USDA United States Department of Agriculture

Average Pan Evaporation (inches/day)

May 15 - 21, 2016



Based on preliminary data

USDA Agricultural Weather Assessments

Data obtained from the NWS Cooperative Observer Network.

National Weather Data for Selected Cities

Weather Data for the Week Ending May 21, 2016

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	78	60	82	49	69	-1	0.14	-0.98	0.12	10.83	77	21.57	91	87	49	0	0	2	0
	HUNTSVILLE	78	58	85	48	68	-1	0.09	-1.12	0.08	8.34	57	18.29	73	81	53	0	0	2	0
	MOBILE	83	67	88	61	75	1	2.30	0.87	1.85	18.53	113	27.98	103	91	74	0	0	2	1
	MONTGOMERY	83	65	88	56	74	1	0.45	-0.48	0.43	11.71	86	22.37	93	82	49	0	0	2	0
AK	ANCHORAGE	60	47	72	42	53	6	0.11	-0.03	0.06	1.54	100	2.12	72	77	56	0	0	2	0
	BARROW	31	24	35	21	28	7	0.01	0.01	0.01	0.13	57	1.29	280	92	82	0	7	1	0
	FAIRBANKS	62	45	71	38	54	5	0.12	0.00	0.12	1.63	217	1.69	101	65	48	0	0	1	0
	JUNEAU	64	43	75	38	54	6	0.53	-0.24	0.34	12.76	145	22.55	128	87	64	0	0	3	0
	KODIAK	58	44	67	38	51	7	0.40	-1.03	0.16	18.86	126	42.15	146	93	73	0	0	5	0
	NOME	52	36	57	31	44	6	0.04	-0.11	0.02	1.52	91	2.54	76	83	57	0	2	3	0
AZ	FLAGSTAFF	63	36	68	31	50	-1	0.49	0.32	0.39	3.37	75	7.15	77	87	33	0	3	3	0
	PHOENIX	93	71	99	70	82	3	0.00	-0.03	0.00	0.56	40	1.87	62	34	21	6	0	0	0
	PRESCOTT	73	50	78	44	62	4	0.04	-0.11	0.04	2.30	73	3.78	57	63	24	0	0	1	0
	TUCSON	90	64	95	60	77	2	0.00	-0.05	0.00	0.82	66	2.53	81	36	18	3	0	0	0
AR	FORT SMITH	72	56	82	53	64	-6	0.14	-1.08	0.09	14.65	129	16.80	103	86	53	0	0	3	0
	LITTLE ROCK	75	57	83	53	66	-4	0.49	-0.63	0.33	22.14	160	27.83	134	85	49	0	0	3	0
CA	BAKERSFIELD	85	60	96	50	73	2	0.00	-0.05	0.00	1.96	99	4.09	94	53	32	2	0	0	0
	FRESNO	84	58	94	50	71	2	0.00	-0.08	0.00	4.27	135	9.02	121	62	35	2	0	0	0
	LOS ANGELES	68	60	70	56	64	1	0.00	-0.06	0.00	2.34	74	6.01	65	81	67	0	0	0	0
	REDDING	82	59	98	51	70	4	0.23	-0.16	0.19	14.40	166	27.99	136	61	35	2	0	2	0
	SACRAMENTO	83	55	97	50	69	3	0.33	0.22	0.33	6.49	156	12.75	111	79	24	2	0	1	0
	SAN DIEGO	68	62	72	60	65	0	0.00	-0.03	0.00	1.74	56	5.00	67	74	64	0	0	0	0
	SAN FRANCISCO	70	54	87	52	62	3	0.00	-0.08	0.00	6.01	128	12.44	95	82	66	0	0	0	0
	STOCKTON	82	53	97	46	67	0	0.02	-0.09	0.02	6.73	189	12.12	139	77	42	2	0	1	0
CO	ALAMOSA	66	39	76	32	52	1	0.41	0.27	0.23	2.86	203	3.84	205	85	42	0	1	4	0
	CO SPRINGS	64	41	83	36	52	-3	0.81	0.27	0.39	5.04	121	6.58	137	91	43	0	0	3	0
	DENVER INTL	65	43	83	38	54	-2	0.35	-0.31	0.26	5.29	142	6.27	150	84	47	0	0	3	0
	GRAND JUNCTION	73	50	80	42	61	0	0.15	-0.07	0.09	3.54	140	4.91	136	73	44	0	0	2	0
	PUEBLO	72	47	91	41	60	0	0.77	0.44	0.76	4.33	136	5.20	138	83	53	1	0	2	1
CT	BRIDGEPORT	66	48	74	43	57	-2	0.00	-0.91	0.00	6.74	62	13.90	79	69	45	0	0	0	0
	HARTFORD	70	43	76	38	56	-4	0.00	-0.99	0.00	6.41	60	13.24	76	70	32	0	0	0	0
DC	WASHINGTON	66	52	76	45	59	-7	1.08	0.20	0.66	7.92	89	14.40	98	82	46	0	0	3	1
DE	WILMINGTON	66	47	77	39	57	-6	1.83	0.87	1.64	8.58	85	15.30	93	85	41	0	0	2	1
FL	DAYTONA BEACH	88	68	92	60	78	3	3.97	3.25	3.12	8.11	100	18.82	134	99	56	1	0	3	2
	JACKSONVILLE	86	65	88	56	76	2	2.12	1.36	0.80	6.78	74	14.43	90	99	56	0	0	3	3
	KEY WEST	85	76	88	71	81	0	1.64	0.86	1.27	3.85	65	10.93	114	97	78	0	0	2	1
	MIAMI	89	75	93	73	82	2	2.18	0.96	1.94	7.99	89	18.41	143	89	60	2	0	3	1
	ORLANDO	90	68	92	62	79	2	2.09	1.26	1.91	11.31	143	18.65	147	91	56	4	0	4	1
	PENSACOLA	82	72	86	68	77	2	0.67	-0.33	0.67	14.71	114	23.36	102	84	59	0	0	1	1
	TALLAHASSEE	88	67	92	61	78	3	1.63	0.50	1.01	14.65	113	23.34	102	83	63	4	0	4	1
	TAMPA	88	72	90	67	80	2	0.98	0.36	0.50	7.20	117	15.91	143	88	56	1	0	3	1
	WEST PALM BEACH	89	72	91	69	81	3	3.71	2.49	2.30	8.35	81	20.90	125	87	59	1	0	4	2
GA	ATHENS	75	58	82	47	66	-3	2.17	1.29	1.64	6.85	63	15.01	75	87	67	0	0	4	1
	ATLANTA	76	60	82	50	68	-2	0.96	0.05	0.79	6.61	57	19.14	90	78	59	0	0	4	1
	AUGUSTA	78	60	82	48	69	-2	1.85	1.17	0.84	10.63	114	16.05	89	87	67	0	0	3	2
	COLUMBUS	80	63	86	53	72	-1	2.50	1.68	1.44	12.01	100	19.44	91	87	47	0	0	3	2
	MACON	80	62	86	48	71	0	1.63	0.97	0.84	12.23	123	17.96	92	92	57	0	0	4	2
	SAVANNAH	82	66	86	58	74	1	6.17	5.38	2.29	14.57	161	20.98	132	89	62	0	0	4	3
HI	HILO	84	70	85	68	77	3	1.53	-0.23	0.58	17.42	53	22.00	43	86	68	0	0	5	1
	HONOLULU	87	74	87	73	81	4	0.01	-0.16	0.01	0.50	14	0.94	11	74	67	0	0	1	0
	KAHULUI	88	70	89	67	79	3	0.02	-0.10	0.02	5.58	121	7.13	67	86	69	0	0	1	0
	LIHUE	83	74	84	70	79	4	0.07	-0.58	0.07	4.21	49	5.37	33	82	73	0	0	1	0
ID	BOISE	68	49	82	45	58	-1	0.30	0.02	0.11	2.93	83	4.43	73	83	54	0	0	4	0
	LEWISTON	69	50	83	46	59	0	1.13	0.77	0.45	5.15	150	6.73	122	84	64	0	0	4	0
	POCATELLO	66	43	76	36	55	1	0.76	0.41	0.30	5.44	153	6.72	118	89	60	0	0	4	0
IL	CHICAGO/O'HARE	66	43	75	35	54	-5	0.00	-0.72	0.00	9.80	115	11.86	99	69	43	0	0	0	0
	MOLINE	70	44	80	39	57	-5	0.00	-0.94	0.00	7.91	84	9.24	74	81	37	0	0	0	0
	PEORIA	68	46	79	41	57	-5	0.04	-0.90	0.04	7.43	81	8.81	71	80	37	0	0	1	0
	ROCKFORD	69	42	80	31	56	-4	0.00	-0.88	0.00	8.86	104	10.39	92	74	41	0	1	0	0
	SPRINGFIELD	69	48	80	42	58	-6	0.08	-0.84	0.06	10.28	112	12.61	100	86	39	0	0	2	0
IN	EVANSVILLE	64	49	74	39	56	-10	0.68	-0.45	0.43	15.11	124	21.45	118	88	62	0	0	3	0
	FORT WAYNE	66	44	76	34	55	-6	0.07	-0.76	0.03	11.13	126	14.18	111	82	38	0	0	3	0
	INDIANAPOLIS	65	47	73	36	56	-7	0.42	-0.57	0.21	13.64	137	17.35	117	86	42	0	0	3	0
	SOUTH BEND	65	40	73	31	53	-7	0.02	-0.74	0.02	11.23	128	15.01	115	76	47	0	1	1	0
IA	BURLINGTON	67	45	76	39	56	-7	0.07	-0.92	0.07	7.96	84	9.34	76	94	40	0	0	1	0
	CEDAR RAPIDS	69	44	79	33	56	-6	0.00	-0.85	0.00	6.99	89	8.52	85	87	34	0	0	0	0
	DES MOINES	70	47	77	40	58	-4	0.06	-0.88	0.06	6.34	74	8.11	75	80	40	0	0	1	0
	DUBUQUE	67	42	77	32	55	-5	0.02	-0.90	0.02	8.57	98	9.65	84	79	42	0	1	1	0
	SIOUX CITY	70	42	74	35	56	-6	0.06	-0.79	0.06	10.62	148	12.46	149	84	46	0	0	1	0
	WATERLOO	71	41	81	32	56	-5	0.01	-0.91	0.01	6.31	79	8.03	82	82	35	0	1	1	0
KS	CONCORDIA	64	47	69	42	55	-8	2.26	1.28	1.93	7.83	105	9.38	106	86	62	0	0	5	1
	DODGE CITY	64	47	76	38	55	-9	0.29	-0.39	0.26	8.42	141	9.01	124	99	67	0	0	2	0
	GOODLAND	62	44	81	34	53	-6	0.59	-0.22	0.39	5.61	115	6.47	113	96	71	0	0	4	0
	TOPEKA	66	48	75	41	57	-8	1.16	0.05	0.76	13.07	149	14.34	132	91	58	0	0	6	1

Based on 1971-2000 normals ***** Not Available**

Weather Data for the Week Ending May 21, 2016

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	66	52	77	44	59	-6	1.45	0.49	1.34	9.66	123	10.40	107	87	68	0	0	4	1
KY	JACKSON	63	47	71	39	55	-9	1.12	-0.07	0.72	11.95	103	21.51	114	90	58	0	0	4	1
	LEXINGTON	63	47	71	38	55	-9	1.86	0.77	0.99	11.70	105	18.04	101	87	60	0	0	5	2
	LOUISVILLE	65	50	73	44	58	-8	1.51	0.38	0.79	12.76	110	18.58	102	85	49	0	0	4	2
	PADUCAH	68	49	74	40	58	-8	0.86	-0.19	0.37	16.84	134	22.30	112	93	52	0	0	3	0
LA	BATON ROUGE	83	67	90	65	75	1	4.32	3.14	3.35	20.84	146	30.15	118	90	59	1	0	4	2
	LAKE CHARLES	81	66	88	62	74	-1	2.80	1.39	1.91	22.24	202	28.41	143	94	69	0	0	3	2
	NEW ORLEANS	85	71	90	68	78	2	2.11	1.12	1.78	20.35	155	28.48	116	86	67	1	0	4	1
	SHREVEPORT	78	62	87	59	70	-3	0.25	-0.94	0.16	27.64	229	32.66	156	88	62	0	0	3	0
ME	CARIBOU	63	40	81	32	52	0	1.03	0.29	0.58	9.65	132	15.12	122	83	47	0	1	2	1
	PORTLAND	65	44	76	40	54	0	0.01	-0.83	0.01	7.63	69	15.17	83	76	35	0	0	1	0
MD	BALTIMORE	65	47	75	37	56	-7	0.68	-0.22	0.45	7.71	81	16.91	106	79	48	0	0	2	0
MA	BOSTON	65	48	76	42	57	-2	0.00	-0.72	0.00	7.51	78	14.95	89	67	38	0	0	0	0
	WORCESTER	64	44	71	35	54	-3	0.19	-0.80	0.19	7.88	72	15.26	84	75	33	0	0	1	0
MI	ALPENA	65	34	79	29	50	-3	0.02	-0.56	0.01	9.69	158	14.22	154	85	31	0	3	2	0
	GRAND RAPIDS	69	44	79	36	56	-3	0.00	-0.72	0.00	11.39	137	16.32	138	77	31	0	0	0	0
	HOUGHTON LAKE	67	35	78	30	51	-3	0.03	-0.54	0.03	8.09	136	11.21	128	83	37	0	3	1	0
	LANSING	66	41	74	33	53	-4	0.01	-0.56	0.01	9.42	132	12.58	124	72	43	0	0	1	0
	MUSKEGON	66	41	79	33	54	-3	0.00	-0.66	0.00	9.36	129	13.58	123	67	37	0	0	0	0
	TRAVERSE CITY	65	37	76	33	51	-4	0.02	-0.46	0.01	6.82	111	10.60	97	86	29	0	0	2	0
MN	DULUTH	67	38	80	28	52	0	0.03	-0.62	0.03	7.23	131	9.11	122	67	37	0	1	1	0
	INT'L FALLS	69	32	82	25	50	-4	0.10	-0.47	0.10	5.22	139	6.58	126	90	30	0	4	1	0
	MINNEAPOLIS	71	47	80	34	59	-1	0.00	-0.72	0.00	6.37	105	7.77	98	64	37	0	0	0	0
	ROCHESTER	69	43	77	31	56	-1	0.02	-0.76	0.02	7.24	101	8.64	97	71	37	0	1	1	0
	ST. CLOUD	70	37	80	28	53	-4	0.00	-0.65	0.00	3.99	76	4.95	75	89	27	0	1	0	0
MS	JACKSON	79	63	87	59	71	-1	0.29	-0.78	0.16	20.79	137	32.38	128	89	56	0	0	4	0
	MERIDIAN	80	61	85	54	70	-2	0.06	-1.03	0.06	17.24	108	24.73	91	91	60	0	0	1	0
	TUPELO	77	58	84	48	67	-3	0.05	-1.28	0.02	14.64	97	21.81	88	79	55	0	0	3	0
MO	COLUMBIA	65	46	75	41	56	-8	1.18	0.08	0.52	6.02	56	7.68	53	92	55	0	0	4	2
	KANSAS CITY	66	48	74	39	57	-8	0.76	-0.50	0.52	13.45	143	14.61	123	91	52	0	0	5	1
	SAINT LOUIS	67	50	78	45	59	-8	0.89	-0.04	0.51	9.89	98	11.49	79	78	54	0	0	3	1
	SPRINGFIELD	65	48	75	38	56	-9	3.65	2.64	1.78	9.20	83	10.48	68	86	66	0	0	5	2
MT	BILLINGS	70	47	80	40	59	3	0.50	-0.07	0.35	4.65	104	5.18	88	85	39	0	0	4	0
	BUTTE	56	37	71	32	46	-2	0.71	0.25	0.28	2.53	83	3.00	74	92	51	0	1	4	0
	CUT BANK	61	39	76	27	50	0	1.01	0.50	0.47	3.55	130	4.03	119	90	50	0	1	3	0
	GLASGOW	76	46	84	36	61	5	0.28	-0.11	0.28	6.62	301	7.29	259	76	38	0	0	1	0
	GREAT FALLS	62	42	75	35	52	0	1.08	0.50	0.67	5.10	128	5.75	111	88	48	0	0	4	1
	HAVRE	66	43	79	36	55	0	0.88	0.45	0.74	6.22	237	6.68	194	84	52	0	0	3	1
	MISSOULA	64	44	79	37	54	1	0.74	0.29	0.43	3.35	103	4.46	88	83	56	0	0	3	0
NE	GRAND ISLAND	64	45	71	38	55	-6	0.22	-0.72	0.22	8.37	116	10.55	125	85	58	0	0	1	0
	LINCOLN	67	46	76	38	57	-5	0.28	-0.70	0.28	7.65	97	9.24	100	88	56	0	0	1	0
	NORFOLK	67	42	74	35	54	-6	0.25	-0.64	0.25	11.29	161	13.44	161	88	54	0	0	1	0
	NORTH PLATTE	61	42	68	32	52	-7	0.02	-0.75	0.02	7.41	139	8.67	139	92	58	0	1	1	0
	OMAHA	69	47	72	41	58	-4	0.21	-0.81	0.21	9.86	124	11.58	121	85	56	0	0	1	0
	SCOTTSBLUFF	65	43	79	32	54	-3	0.18	-0.43	0.13	8.14	174	8.91	154	87	59	0	1	2	0
	VALENTINE	66	42	73	29	54	-4	0.32	-0.42	0.32	7.61	147	8.29	139	83	54	0	1	1	0
NV	ELY	64	37	74	26	51	0	0.22	-0.08	0.16	3.66	131	6.69	156	80	38	0	1	3	0
	LAS VEGAS	86	67	94	59	76	0	0.00	-0.06	0.00	2.30	261	2.85	132	31	18	2	0	0	0
	RENO	71	47	83	38	59	2	0.00	-0.14	0.00	3.07	197	5.19	141	57	29	0	0	0	0
	WINNEMUCCA	69	39	80	32	54	-2	0.04	-0.20	0.02	2.33	98	4.44	116	77	37	0	1	2	0
NH	CONCORD	69	40	78	33	55	-1	0.19	-0.55	0.18	6.08	73	11.86	87	83	27	0	0	2	0
NJ	NEWARK	68	49	76	40	58	-5	0.08	-0.95	0.08	5.45	49	13.50	74	65	34	0	0	1	0
NM	ALBUQUERQUE	75	51	84	42	63	-2	0.09	-0.04	0.04	0.77	53	1.19	50	69	26	0	0	3	0
NY	ALBANY	66	41	75	38	53	-6	0.00	-0.81	0.00	4.80	55	10.11	75	79	36	0	0	0	0
	BINGHAMTON	60	39	70	30	50	-6	0.05	-0.72	0.05	6.75	77	12.46	90	72	43	0	2	1	0
	BUFFALO	63	43	74	38	53	-5	0.01	-0.73	0.01	5.90	73	11.18	82	77	38	0	0	1	0
	ROCHESTER	63	41	73	36	52	-5	0.14	-0.47	0.05	4.76	67	10.06	88	77	47	0	0	3	0
	SYRACUSE	62	40	73	35	51	-6	0.02	-0.72	0.02	5.56	64	12.28	92	88	43	0	0	1	0
NC	ASHEVILLE	68	51	77	41	60	-2	0.62	-0.39	0.37	5.49	51	14.47	77	83	67	0	0	3	0
	CHARLOTTE	69	56	78	44	63	-6	2.57	1.73	0.83	7.76	80	14.54	84	83	61	0	0	5	3
	GREENSBORO	67	53	76	43	60	-6	2.72	1.82	1.36	12.57	126	18.71	113	86	62	0	0	4	2
	HATTERAS	73	62	78	58	67	-1	1.58	0.67	0.80	12.48	117	25.59	125	84	58	0	0	4	1
	RALEIGH	69	54	77	42	61	-6	0.77	-0.11	0.33	10.55	113	16.95	101	91	63	0	0	4	0
	WILMINGTON	74	58	82	49	66	-4	0.59	-0.43	0.32	8.67	87	20.73	114	94	56	0	0	5	0
ND	BISMARCK	74	41	80	31	57	1	0.00	-0.49	0.00	4.94	134	5.58	120	81	35	0	2	0	0
	DICKINSON	71	39	78	29	55	0	0.00	-0.49	0.00	2.66	70	3.09	67	80	30	0	1	0	0
	FARGO	75	44	84	32	60	2	0.00	-0.59	0.00	3.14	78	4.13	77	61	22	0	1	0	0
	GRAND FORKS	74	42	83	33	58	1	0.06	-0.44	0.06	2.69	79	3.27	70	69	23	0	0	1	0
	JAMESTOWN	71	41	79	32	56	-1	0.00	-0.49	0.00	3.27	92	3.46	73	81	27	0	1	0	0
	WILLISTON	78	42	84	30	60	5	0.00	-0.43	0.00	2.34	80	3.47	90	78	31	0	2	0	0
OH	AKRON-CANTON	63	42	72	31	52	-7	0.64	-0.26	0.54	10.05	109	14.64	105	73	55	0	1	4	1
	CINCINNATI	65	45	71	31	55	-9	0.70	-0.34	0.37	12.87	119	19.50	118	80	52	0	1	4	0
	CLEVELAND	64	44	71	37	54	-5	0.15	-0.62	0.11	10.46	122	15.05	113	78	46	0	0	3	0
	COLUMBUS	63	44	72	32	53	-10	0.78	-0.10	0.34	9.76	112	14.17	106	82	52	0	1	4	0
	DAYTON	64	44	71	35	54	-8	0.38	-0.54	0.17	11.17	111	15.99	107	88	47	0	0	3	0
	MANSFIELD	62	43	71	32	53	-5	0.39	-0.59	0.20	10.81	104	15.71	103	88	44	0	1	4	0

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending May 21, 2016

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	65	42	73	36	54	-6	0.08	-0.59	0.06	10.53	134	13.75	118	76	45	0	0	2	0
	YOUNGSTOWN	63	40	73	32	51	-7	0.61	-0.16	0.43	9.90	114	15.09	116	77	54	0	1	2	0
OK	OKLAHOMA CITY	70	55	81	53	63	-6	1.50	0.23	0.83	10.21	109	11.67	96	93	65	0	0	4	1
	TULSA	69	55	81	49	62	-7	1.54	0.11	0.67	10.58	92	11.77	78	92	71	0	0	5	1
OR	ASTORIA	60	47	63	44	54	1	0.41	-0.29	0.28	14.87	102	37.15	116	94	74	0	0	4	0
	BURNS	62	38	79	30	50	-1	0.41	0.17	0.27	2.12	77	3.84	76	85	56	0	2	4	0
	EUGENE	66	47	77	42	56	1	0.39	-0.20	0.30	10.04	89	19.88	78	90	69	0	0	2	0
	MEDFORD	73	50	87	46	61	3	0.23	-0.04	0.08	3.74	94	8.98	105	78	39	0	0	4	0
	PENDLETON	68	46	85	37	57	-1	0.50	0.22	0.21	3.22	101	5.59	95	86	56	0	0	5	0
	PORTLAND	65	53	76	49	59	2	1.33	0.81	0.65	8.20	103	19.53	113	86	63	0	0	4	1
	SALEM	65	50	75	46	58	2	0.24	-0.22	0.13	9.14	109	19.87	103	87	64	0	0	3	0
PA	ALLENTOWN	67	44	77	37	56	-4	0.27	-0.75	0.25	6.73	67	15.76	97	74	41	0	0	2	0
	ERIE	62	42	69	36	52	-7	0.18	-0.54	0.09	7.45	87	13.66	102	75	50	0	0	2	0
	MIDDLETOWN	65	48	76	43	57	-5	0.80	-0.16	0.76	6.64	71	16.56	110	81	36	0	0	3	1
	PHILADELPHIA	67	50	76	42	58	-6	2.09	1.20	1.97	9.29	93	16.28	100	70	41	0	0	2	1
	PITTSBURGH	62	43	74	35	53	-7	1.27	0.41	1.00	8.39	97	13.33	97	83	46	0	0	4	1
	WILKES-BARRE	65	43	74	35	54	-6	0.03	-0.80	0.03	6.70	80	12.50	97	76	34	0	0	1	0
	WILLIAMSPORT	66	42	76	35	54	-6	0.13	-0.70	0.09	5.12	56	11.54	79	80	50	0	0	2	0
RI	PROVIDENCE	68	46	76	41	57	-2	0.01	-0.79	0.01	8.08	73	16.45	87	71	36	0	0	1	0
SC	BEAUFORT	81	67	86	60	74	1	1.67	1.02	1.10	8.82	106	14.80	96	94	60	0	0	4	1
	CHARLESTON	80	65	86	58	73	1	0.87	0.05	0.82	7.19	82	15.48	97	91	59	0	0	5	1
	COLUMBIA	77	61	85	54	69	-3	1.06	0.36	0.70	6.79	72	13.42	75	83	62	0	0	4	1
	GREENVILLE	72	55	82	44	63	-5	2.88	1.81	1.10	8.77	74	17.02	83	85	61	0	0	4	3
SD	ABERDEEN	74	41	80	29	58	0	0.00	-0.60	0.00	4.81	101	5.50	96	77	29	0	1	0	0
	HURON	70	43	74	33	56	-3	0.00	-0.67	0.00	6.15	105	7.02	102	83	34	0	0	0	0
	RAPID CITY	68	40	80	30	54	-1	0.06	-0.61	0.05	3.26	69	4.12	74	86	43	0	1	2	0
	SIOUX FALLS	69	41	73	33	55	-3	0.00	-0.76	0.00	7.38	112	9.06	119	80	39	0	0	0	0
TN	BRISTOL	70	50	74	35	60	-3	0.73	-0.26	0.23	8.90	89	16.30	96	92	51	0	0	4	0
	CHATTANOOGA	77	57	82	44	67	-1	0.27	-0.71	0.24	6.48	49	17.22	73	82	52	0	0	2	0
	KNOXVILLE	73	53	77	42	63	-3	0.51	-0.56	0.45	7.99	65	17.88	86	87	51	0	0	3	0
	MEMPHIS	75	58	83	54	67	-4	1.09	-0.05	1.00	24.48	163	32.33	137	82	48	0	0	4	1
	NASHVILLE	71	52	77	40	61	-6	1.42	0.24	1.26	7.53	62	14.16	71	88	48	0	0	3	1
TX	ABILENE	73	58	86	53	66	-7	0.55	-0.09	0.30	14.02	295	14.74	215	92	72	0	0	3	0
	AMARILLO	68	49	85	44	58	-7	0.34	-0.22	0.15	4.42	114	5.11	101	95	58	0	0	5	0
	AUSTIN	79	64	84	60	72	-3	4.06	2.87	2.75	16.04	205	18.22	155	94	75	0	0	5	2
	BEAUMONT	83	68	89	65	75	-1	1.49	0.15	1.25	17.75	158	23.71	117	95	63	0	0	4	1
	BROWNSVILLE	89	74	90	72	81	1	1.48	0.94	1.23	7.51	169	9.39	135	97	74	3	0	3	1
	CORPUS CHRISTI	84	72	88	68	78	0	5.73	4.94	2.73	15.74	266	18.03	192	90	75	0	0	5	3
	DEL RIO	83	67	91	62	75	-3	0.42	-0.09	0.17	7.74	186	8.49	149	93	70	1	0	4	0
	EL PASO	86	59	92	51	72	-2	0.00	-0.07	0.00	0.05	7	0.58	38	50	21	4	0	0	0
	FORT WORTH	77	61	85	57	69	-4	0.99	-0.22	0.59	10.09	104	13.33	95	86	59	0	0	4	1
	GALVESTON	81	71	84	67	76	-1	0.86	0.01	0.63	11.37	149	15.33	107	97	75	0	0	5	1
	HOUSTON	78	66	83	63	72	-4	1.58	0.41	0.86	20.41	201	24.52	146	99	83	0	0	5	1
	LUBBOCK	71	52	85	48	61	-9	1.35	0.83	0.79	4.49	132	4.88	106	97	78	0	0	4	1
	MIDLAND	80	57	97	51	68	-5	0.23	-0.18	0.19	2.05	90	2.53	75	89	68	3	0	3	0
	SAN ANGELO	80	59	91	55	70	-3	2.41	1.70	1.68	11.44	253	12.24	188	93	75	2	0	3	2
	SAN ANTONIO	79	65	86	61	72	-4	3.74	2.65	1.87	14.66	198	17.59	163	93	70	0	0	5	3
	VICTORIA	82	67	88	64	74	-3	3.37	2.19	1.61	12.49	148	17.43	135	93	81	0	0	5	4
	WACO	77	60	84	56	69	-5	1.28	0.25	1.09	14.60	172	17.05	133	92	72	0	0	3	1
	WICHITA FALLS	71	56	83	53	64	-8	2.63	1.74	2.46	11.74	160	13.44	134	91	70	0	0	4	1
UT	SALT LAKE CITY	74	53	82	49	64	5	0.64	0.16	0.41	5.14	94	7.60	93	76	27	0	0	4	0
VT	BURLINGTON	65	42	77	36	54	-3	0.13	-0.61	0.13	5.81	79	10.14	90	79	33	0	0	1	0
VA	LYNCHBURG	64	47	70	37	56	-7	2.10	1.16	0.90	12.04	120	19.33	116	89	57	0	0	3	2
	NORFOLK	68	54	73	45	61	-6	1.09	0.24	0.80	9.20	93	20.07	117	82	53	0	0	3	1
	RICHMOND	66	49	75	39	57	-9	2.42	1.51	1.38	10.87	110	18.52	113	85	58	0	0	2	2
	ROANOKE	64	50	73	44	57	-7	1.00	0.04	0.42	8.96	87	17.19	104	84	64	0	0	4	0
	WASH/DULLES	65	46	77	36	56	-6	0.88	-0.08	0.55	8.17	86	16.42	107	85	52	0	0	2	1
WA	OLYMPIA	63	48	72	44	56	3	0.09	-0.39	0.06	10.19	98	25.33	105	85	65	0	0	2	0
	QUILLAYUTE	60	46	64	40	53	2	0.09	-1.13	0.04	18.34	82	49.81	103	94	76	0	0	3	0
	SEATTLE-TACOMA	62	50	69	48	56	0	0.81	0.44	0.47	7.55	100	20.97	124	90	69	0	0	5	0
	SPOKANE	66	48	77	38	57	2	0.18	-0.18	0.07	4.07	106	7.53	105	85	44	0	0	4	0
	YAKIMA	74	49	85	38	62	6	0.29	0.19	0.19	2.74	183	5.46	157	67	40	0	0	4	0
WV	BECKLEY	61	44	67	34	53	-7	1.64	0.63	0.53	12.56	125	18.85	116	87	60	0	0	4	1
	CHARLESTON	64	46	74	36	55	-8	1.34	0.35	0.63	12.37	124	19.54	119	89	55	0	0	4	1
	ELKINS	61	41	72	32	51	-7	1.75	0.66	0.75	12.36	117	18.03	105	92	50	0	1	5	1
	HUNTINGTON	66	46	75	35	56	-8	1.74	0.72	0.86	11.94	119	19.39	118	90	57	0	0	4	1
WI	EAU CLAIRE	70	37	81	27	53	-5	0.00	-0.82	0.00	8.19	116	9.57	107	86	23	0	2	0	0
	GREEN BAY	69	40	80	31	54	-3	0.00	-0.60	0.00	5.75	91	8.23	96	81	30	0	1	0	0
	LA CROSSE	72	42	82	30	57	-4	0.01	-0.72	0.01	7.73	102	9.90	101	81	26	0	1	1	0
	MADISON	68	39	78	30	54	-4	0.02	-0.68	0.02	9.96	129	12.19	119	83	35	0	1	1	0
	MILWAUKEE	63	44	71	36	53	-4	0.11	-0.53	0.11	8.93	106	11.24	94	67	46	0	0	1	0
WY	CASPER	64	39	81	30	52	0	1.04	0.49	0.78	7.60	188	9.05	172	86	51	0	1	2	1
	CHEYENNE	59	39	73	33	49	-2	0.60	0.03	0.42	7.34	174	8.54	167	91	62	0	0	4	0
	LANDER	62	42	73	38	52	-2	0.54	0.00	0.27	15.24	305	16.16	267	84	43	0	0	4	0
	SHERIDAN	72	40	84	32	56	3	0.22	-0.33	0.20	6.59	152	8.04	142	82	45	0	1	2	0

Based on 1971-2000 normals ***** Not Available**

National Agricultural Summary

May 16 – 22, 2016

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Cooler-than-normal conditions prevailed across much of the nation during the week. Most notably, a band across the central Great Plains to the Mid-Atlantic States recorded temperatures more than 6°F below average. Conversely, portions of the northern Great Plains experienced above-average temperatures. Rainfall totaling at least 200 percent of the weekly average occurred across much of the Rocky Mountains, along the Gulf Coast, and in the southern Atlantic States. Elsewhere, the Corn Belt and the Northeast were relatively dry during the week.

Corn: By May 22, eighty-six percent of the 2016 corn crop was planted, 4 percentage points behind last year but slightly ahead of the 5-year average. Dry conditions in the eastern Corn Belt permitted weekly planting progress of 31 percentage points in Michigan and 17 points in Indiana. Nationally, 60 percent of this year's corn was emerged by week's end, 9 percentage points behind last year but 5 points ahead of the 5-year average. During the week, emergence advanced more than 20 percentage points in both Iowa and Nebraska.

Soybeans: By May 22, producers had planted 56 percent of this year's soybean crop, equal to last year but 4 percentage points ahead of the 5-year average. Illinois, Iowa, Minnesota, Nebraska, North Dakota, South Dakota, and Wisconsin soybean planting advanced more than 20 percentage points during the week. By week's end, 22 percent of the soybean crop had emerged, 5 percentage points behind last year but slightly ahead of the 5-year average. Emergence in Indiana, Michigan, and Ohio continued to lag the respective 5-year averages.

Winter Wheat: By week's end, 75 percent of this year's winter wheat crop was at or beyond the heading stage, slightly ahead of last year and 9 percentage points ahead of the 5-year average. Wet conditions have delayed the harvest of winter wheat in Texas, with only 6 percent harvested by week's end—4 percentage points behind 5-year average. Nationally, 62 percent of the winter wheat was reported in good to excellent condition, unchanged from last week but 17 percentage points better than the same time last year. In Texas, damage of wheat due to hail was reported in parts of the Northern Low Plains and Edwards Plateau.

Cotton: By May 22, producers had planted 46 percent of the nation's cotton, 2 percentage points ahead of last year but 8 points behind the 5-year average. The Southeast experienced a brisk planting pace during the week. However, progress was hampered by continued rainfall in Texas, with 31 percent planted by week's end—10 percentage points behind the 5-year average.

Sorghum: By week's end, 37 percent of the sorghum was planted, 3 percentage points behind last year and 6 points behind the 5-year average. Progress in the leading sorghum-producing state of Kansas remained behind historical levels, with 6 percent planted by May 22. This was 10 percentage points behind the 5-year average.

Rice: Ninety-three percent of the rice was seeded by May 22, slightly ahead of last year and 4 percentage points ahead of the 5-year average. Rice planting reached 70 percent complete in California, 12 percentage points behind the 5-year average. Nationally, emergence advanced to 83 percent complete by week's end, 4 percentage points ahead of last year and 10 points ahead of the 5-year average. Overall, 67 percent of the rice was reported in good to excellent condition, up 4 percentage points from last week and slightly above the same time last year.

Small Grains: Producers had planted 98 percent of this year's oat crop by week's end, slightly behind last year but 8 percentage points ahead of the 5-year average. By week's end, 90 percent of the nation's oats had emerged, slightly ahead of last year and 14 percentage points ahead of the 5-year average. Twenty-five percent of this year's oat crop was at or beyond the heading stage by May 22, slightly ahead of last year but 4 percentage points behind the 5-year average. Heading of the oat crop in Texas was nearly complete, but oats were just starting to head in the other major estimating states. Overall, 73 percent of the oat crop was reported in good to excellent condition, unchanged from last week but 3 percentage points better than the same time last year.

By week's end, 94 percent of the barley crop was seeded, 5 percentage points behind last year but 13 percentage points ahead of the 5-year average. By May 22, eighty percent of the barley crop was emerged, 2 percentage points behind last year but 24 points ahead of the 5-year average. In North Dakota, 74 percent of the barley crop had emerged, more than 3 weeks ahead of 5-year average. Overall, 76 percent of the barley was reported in good to excellent condition, up slightly from last week and 2 percentage points better than the same time last year.

Ninety-five percent of the nation's spring wheat was seeded by week's end, equal to last year but 18 percentage points ahead of the 5-year average. By May 22, seventy-eight percent of the spring wheat had emerged, 2 percentage points ahead of last year and 27 points ahead of the 5-year average. Overall, 76 percent of the spring wheat was reported in good to excellent condition, compared to 69 percent at the same time last year.

Other Crops: By week's end, 63 percent of this year's peanut crop was planted, slightly ahead of last year and 2 percentage points ahead of the 5-year average. Favorable planting conditions led to double-digit weekly planting progress in all estimating states except Texas.

By May 22, twenty-seven percent of this year's sunflower crop was planted, 6 percentage points ahead of last year and 14 points ahead of the 5-year average. North Dakota producers have planted 46 percent of the crop, 21 percentage points ahead of last year and 28 points ahead of the 5-year average.

Crop Progress and Condition

Week Ending May 22, 2016

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

Corn Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
CO	64	64	80	82
IL	96	83	89	91
IN	84	45	62	77
IA	95	88	96	92
KS	82	80	90	88
KY	89	82	83	79
MI	86	34	65	72
MN	98	93	98	84
MO	84	96	97	88
NE	90	74	90	93
NC	95	94	96	98
ND	79	76	91	67
OH	84	34	51	66
PA	81	52	63	67
SD	89	62	84	84
TN	96	94	97	92
TX	76	78	79	91
WI	91	76	91	69
18 Sts	90	75	86	85

These 18 States planted 93% of last year's corn acreage.

Corn Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
CO	42	8	41	41
IL	84	64	77	68
IN	56	28	39	52
IA	76	51	75	63
KS	61	51	61	60
KY	66	63	71	59
MI	63	6	17	38
MN	83	53	78	46
MO	74	85	93	71
NE	68	30	51	62
NC	88	82	88	92
ND	32	22	49	26
OH	62	21	28	41
PA	58	21	34	37
SD	57	17	42	42
TN	79	81	89	77
TX	74	64	65	79
WI	61	17	42	30
18 Sts	69	43	60	55

These 18 States planted 93% of last year's corn acreage.

Cotton Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AL	58	56	71	69
AZ	100	95	99	95
AR	87	82	94	84
CA	89	91	93	95
GA	59	40	58	59
KS	8	3	6	28
LA	87	54	79	88
MS	76	64	81	71
MO	75	91	95	78
NC	61	39	58	75
OK	27	20	30	26
SC	73	52	63	68
TN	64	50	67	55
TX	26	30	31	41
VA	76	32	46	84
15 Sts	44	40	46	54

These 15 States planted 99% of last year's cotton acreage.

Soybeans Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	55	62	76	54
IL	63	29	51	55
IN	52	15	31	50
IA	65	43	74	64
KS	19	14	21	41
KY	36	21	24	28
LA	82	72	82	82
MI	69	14	34	48
MN	85	63	86	55
MS	80	72	82	74
MO	19	31	46	38
NE	54	29	54	67
NC	41	24	32	34
ND	48	52	81	38
OH	64	10	22	46
SD	55	28	56	47
TN	41	35	50	35
WI	67	33	66	39
18 Sts	56	36	56	52

These 18 States planted 95% of last year's soybean acreage.

Soybeans Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	45	48	63	41
IL	31	10	20	25
IN	21	3	10	25
IA	26	4	21	20
KS	10	1	7	16
KY	15	7	12	14
LA	71	48	73	69
MI	34	0	6	19
MN	41	9	33	15
MS	69	55	66	59
MO	9	14	25	17
NE	17	3	13	25
NC	16	5	16	16
ND	13	6	21	8
OH	30	3	9	19
SD	18	1	13	13
TN	21	7	21	18
WI	28	1	13	9
18 Sts	27	10	22	21

These 18 States planted 95% of last year's soybean acreage.

Sorghum Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	88	81	88	89
CO	19	3	6	19
IL	42	4	6	30
KS	8	2	6	16
LA	98	91	96	98
MO	35	43	57	38
NE	47	13	30	40
NM	41	10	16	21
OK	53	36	39	39
SD	24	6	36	17
TX	72	71	72	78
11 Sts	40	33	37	43

These 11 States planted 98% of last year's sorghum acreage.

Sunflowers Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
CO	5	4	5	7
KS	3	0	0	6
ND	25	21	46	18
SD	3	2	14	5
4 Sts	21	11	27	13

These 4 States planted 84% of last year's sunflower acreage.

Crop Progress and Condition

Week Ending May 22, 2016

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

Winter Wheat Percent Headed

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	99	98	100	99
CA	97	96	98	99
CO	61	20	43	42
ID	30	10	19	8
IL	84	80	88	78
IN	53	54	74	58
KS	92	89	96	83
MI	4	2	4	13
MO	87	90	96	87
MT	0	0	1	0
NE	35	34	43	31
NC	96	91	95	98
OH	29	32	56	38
OK	100	95	99	96
OR	57	28	46	30
SD	18	5	22	14
TX	97	97	98	92
WA	43	39	53	24
18 Sts	74	68	75	66

These 18 States planted 90% of last year's winter wheat acreage.

Winter Wheat Condition by Percent

	VP	P	F	G	EX
AR	3	4	38	45	10
CA	0	0	15	35	50
CO	1	10	22	55	12
ID	1	1	11	67	20
IL	3	5	33	50	9
IN	1	4	21	56	18
KS	1	7	33	51	8
MI	1	3	19	59	18
MO	1	3	26	59	11
MT	1	5	27	43	24
NE	0	5	29	55	11
NC	10	18	33	33	6
OH	0	1	20	54	25
OK	1	5	28	57	9
OR	3	4	31	47	15
SD	0	1	22	71	6
TX	2	10	41	39	8
WA	1	3	16	66	14
18 Sts	1	7	30	51	11
Prev Wk	1	7	30	51	11
Prev Yr	6	13	36	37	8

Oats Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
IA	100	100	100	99
MN	99	97	99	87
NE	100	92	96	99
ND	91	83	92	64
OH	93	84	92	83
PA	96	95	96	91
SD	99	96	99	93
TX	100	100	100	100
WI	98	91	98	84
9 Sts	99	94	98	90

These 9 States planted 68% of last year's oat acreage.

Oats Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
IA	94	94	96	92
MN	94	84	91	63
NE	97	86	90	92
ND	54	43	71	38
OH	79	68	81	68
PA	88	86	90	78
SD	89	89	95	74
TX	100	100	100	100
WI	89	63	81	60
9 Sts	89	81	90	76

These 9 States planted 68% of last year's oat acreage.

Oats Percent Headed

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
IA	1	1	11	5
MN	0	NA	1	1
NE	1	NA	7	4
ND	0	NA	0	0
OH	1	NA	1	4
PA	1	NA	0	0
SD	0	NA	2	1
TX	100	95	96	97
WI	0	NA	0	0
9 Sts	24	NA	25	29

These 9 States planted 68% of last year's oat acreage.

Oat Condition by Percent

	VP	P	F	G	EX
IA	0	1	19	67	13
MN	0	1	19	67	13
NE	0	1	21	73	5
ND	2	2	18	75	3
OH	1	2	25	65	7
PA	6	1	33	53	7
SD	0	0	21	74	5
TX	3	10	33	44	10
WI	0	0	16	71	13
9 Sts	1	3	23	64	9
Prev Wk	1	3	23	65	8
Prev Yr	2	6	22	59	11

Peanuts Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AL	54	38	54	51
FL	70	62	74	63
GA	68	49	70	63
NC	55	29	51	67
OK	76	51	65	68
SC	75	36	56	67
TX	28	42	50	59
VA	68	20	34	67
8 Sts	62	46	63	61

These 8 States planted 97% of last year's peanut acreage.

Crop Progress and Condition

Week Ending May 22, 2016

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

Rice Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	91	96	98	89
CA	96	50	70	82
LA	99	95	97	98
MS	94	88	96	87
MO	77	100	100	82
TX	83	93	98	95
6 Sts	92	87	93	89

These 6 States planted 100% of last year's rice acreage.

Rice Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
AR	80	90	94	77
CA	68	15	30	44
LA	95	90	95	95
MS	79	75	88	74
MO	65	93	99	70
TX	79	85	92	87
6 Sts	79	76	83	73

These 6 States planted 100% of last year's rice acreage.

Rice Condition by Percent

	VP	P	F	G	EX
AR	5	9	27	46	13
CA	0	0	5	75	20
LA	1	5	33	56	5
MS	0	2	23	57	18
MO	0	5	26	54	15
TX	5	5	34	47	9
6 Sts	3	6	24	54	13
Prev Wk	3	5	29	48	15
Prev Yr	1	5	28	49	17

Spring Wheat Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
ID	100	96	100	97
MN	100	96	98	81
MT	96	86	93	82
ND	92	87	94	65
SD	98	97	99	94
WA	100	97	100	98
6 Sts	95	89	95	77

These 6 States planted 99% of last year's spring wheat acreage.

Spring Wheat Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
ID	95	86	90	82
MN	94	78	90	53
MT	78	48	70	49
ND	66	52	75	40
SD	83	83	92	70
WA	97	90	93	90
6 Sts	76	60	78	51

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	26	52	22
MN	1	2	27	59	11
MT	1	2	25	58	14
ND	0	2	18	76	4
SD	0	1	28	66	5
WA	0	0	14	80	6
6 Sts	0	2	22	68	8
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	1	3	27	61	8

Barley Percent Planted

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
ID	99	92	97	96
MN	100	95	98	79
MT	99	89	92	90
ND	94	87	94	59
WA	99	94	100	96
5 Sts	99	90	94	81

These 5 States planted 82% of last year's barley acreage.

Barley Percent Emerged

	Prev Year	Prev Week	May 22 2016	5-Yr Avg
ID	91	79	82	75
MN	90	73	88	51
MT	88	74	83	59
ND	67	52	74	35
WA	93	74	83	82
5 Sts	82	68	80	56

These 5 States planted 82% of last year's barley acreage.

Barley Condition by Percent

	VP	P	F	G	EX
ID	0	0	19	62	19
MN	0	1	20	66	13
MT	0	0	30	42	28
ND	0	2	19	70	9
WA	0	0	14	80	6
5 Sts	0	1	23	58	18
Prev Wk	0	1	24	58	17
Prev Yr	0	2	24	61	13

Crop Progress and Condition

Week Ending May 22, 2016

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

Pasture and Range Condition by Percent
Week Ending May 22, 2016

	VP	P	F	G	EX			VP	P	F	G	EX
AL	1	1	17	66	15		NH	0	10	38	44	8
AZ	17	12	36	30	5		NJ	0	1	36	57	6
AR	1	5	30	55	9		NM	2	17	48	29	4
CA	5	15	25	25	30		NY	0	2	36	52	10
CO	7	9	24	50	10		NC	2	9	42	42	5
CT	5	2	35	45	13		ND	1	4	31	58	6
DE	3	7	28	57	5		OH	1	2	15	61	21
FL	5	11	36	44	4		OK	1	8	38	47	6
GA	2	6	31	52	9		OR	1	10	29	46	14
ID	1	2	22	54	21		PA	5	5	20	52	18
IL	1	1	14	58	26		RI	0	0	0	100	0
IN	1	3	16	60	20		SC	0	5	23	66	6
IA	0	3	21	58	18		SD	0	2	18	69	11
KS	0	2	26	61	11		TN	1	9	30	51	9
KY	1	6	20	61	12		TX	2	7	26	46	19
LA	0	7	29	57	7		UT	0	2	20	58	20
ME	3	39	19	39	0		VT	0	44	4	50	2
MD	1	4	26	58	11		VA	4	12	32	43	9
MA	0	5	18	77	0		WA	0	6	18	59	17
MI	1	6	20	56	17		WV	2	9	36	49	4
MN	0	6	24	61	9		WI	0	3	26	54	17
MS	1	4	24	60	11		WY	0	3	20	67	10
MO	1	4	43	49	3		48 Sts	2	6	28	52	12
MT	4	12	41	38	5							
NE	0	0	15	72	13		Prev Wk	2	6	29	52	11
NV	0	5	20	45	30		Prev Yr	2	8	30	48	12

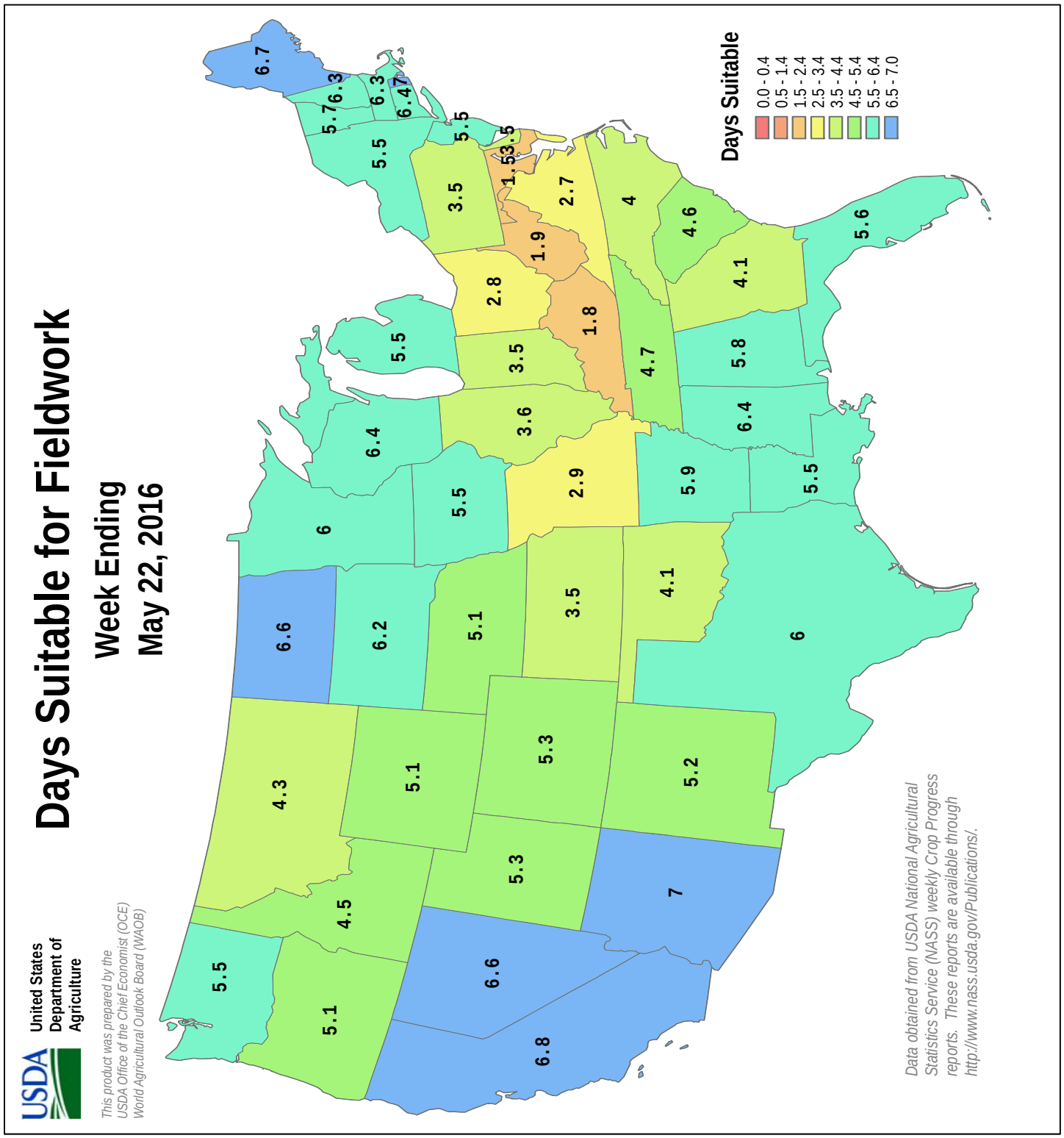
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
*** Revised**

Crop Progress and Condition

Week Ending May 22, 2016

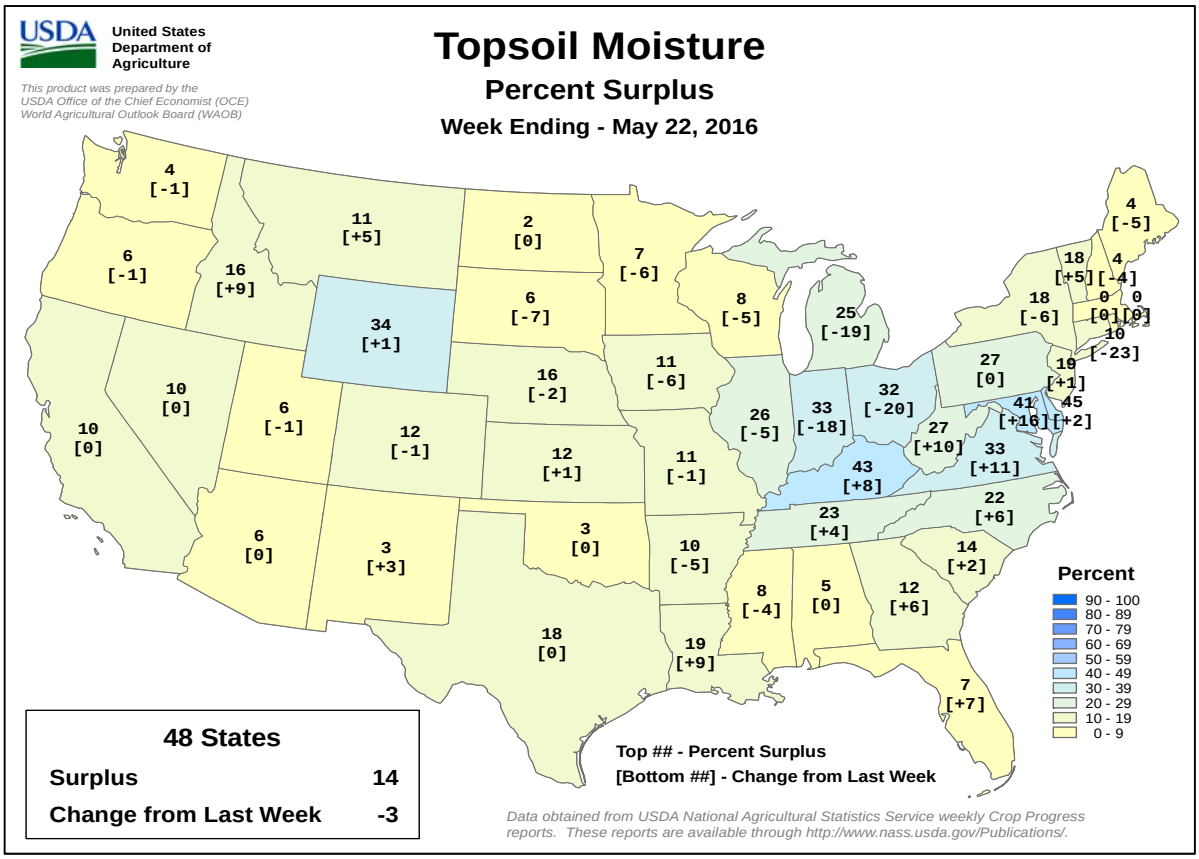
Weekly U.S. Progress and Condition Data provided by USDA/NASS

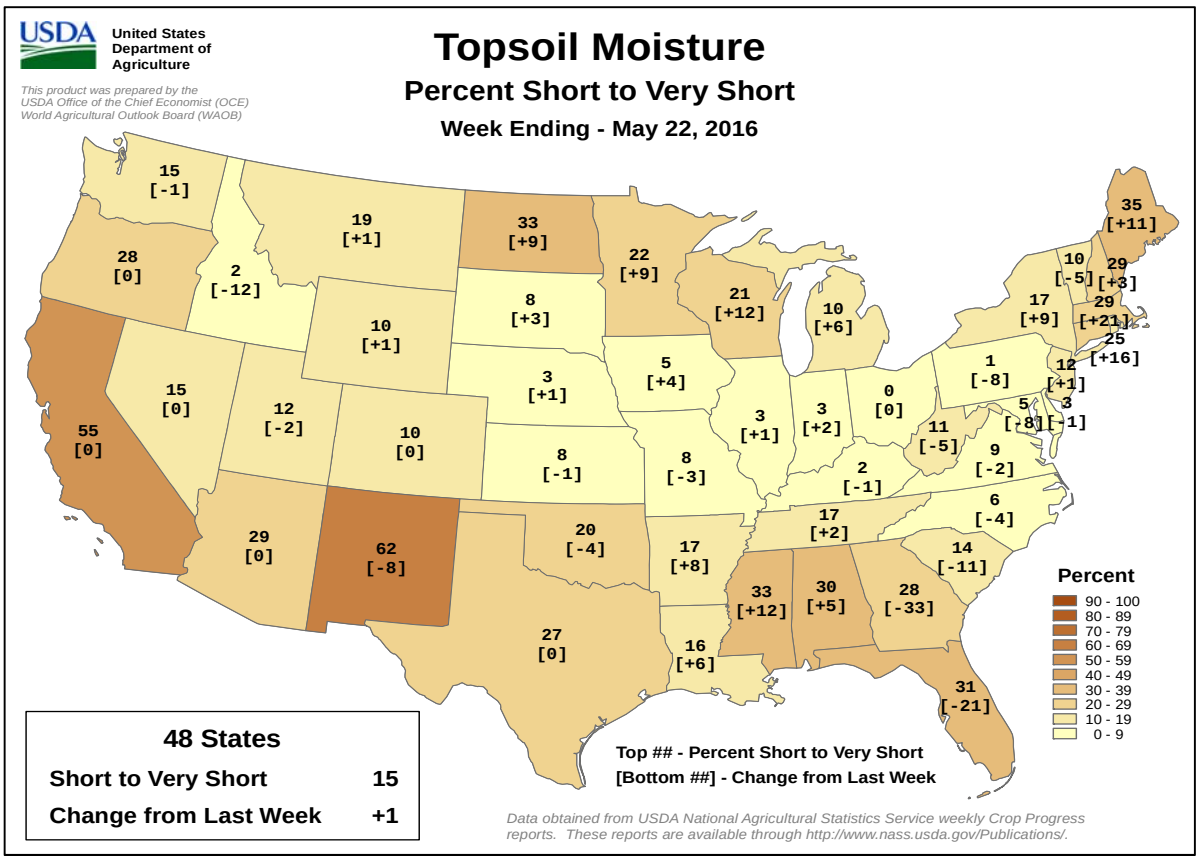


Crop Progress and Condition

Week Ending May 22, 2016

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

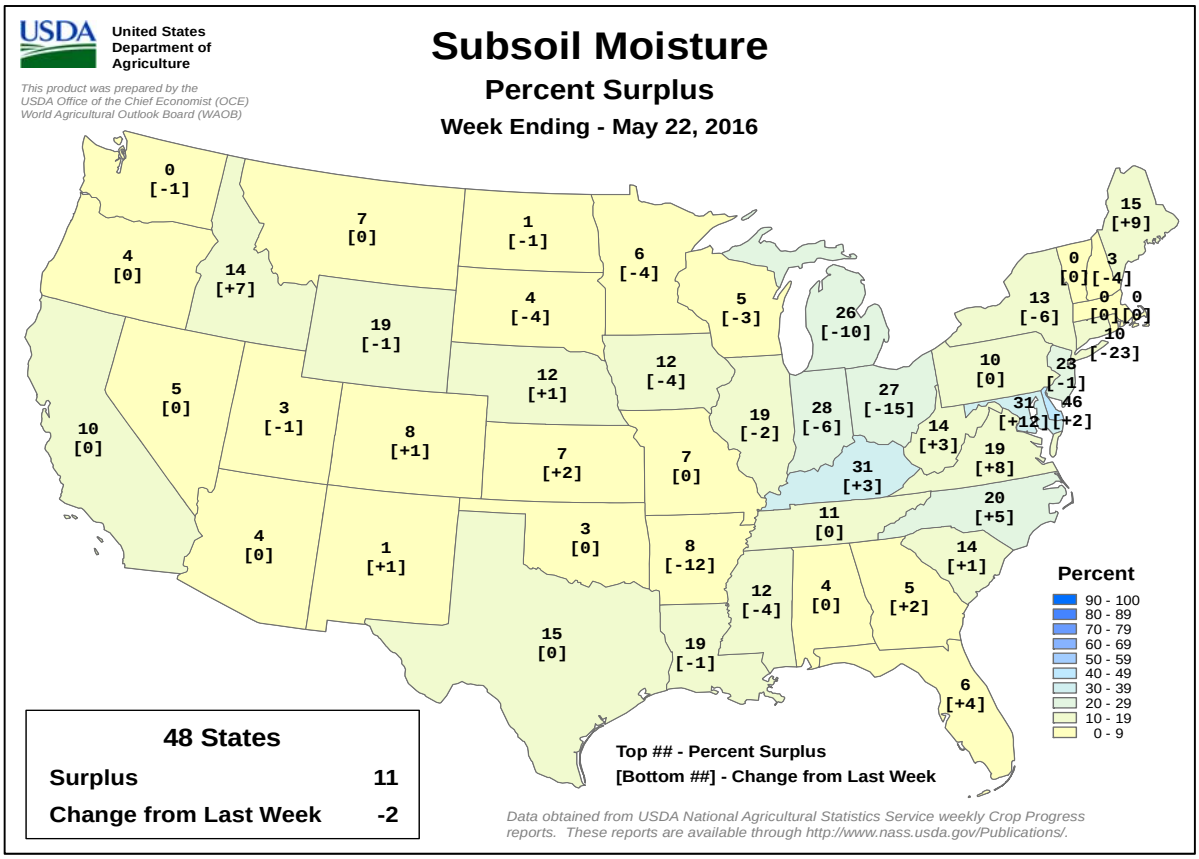


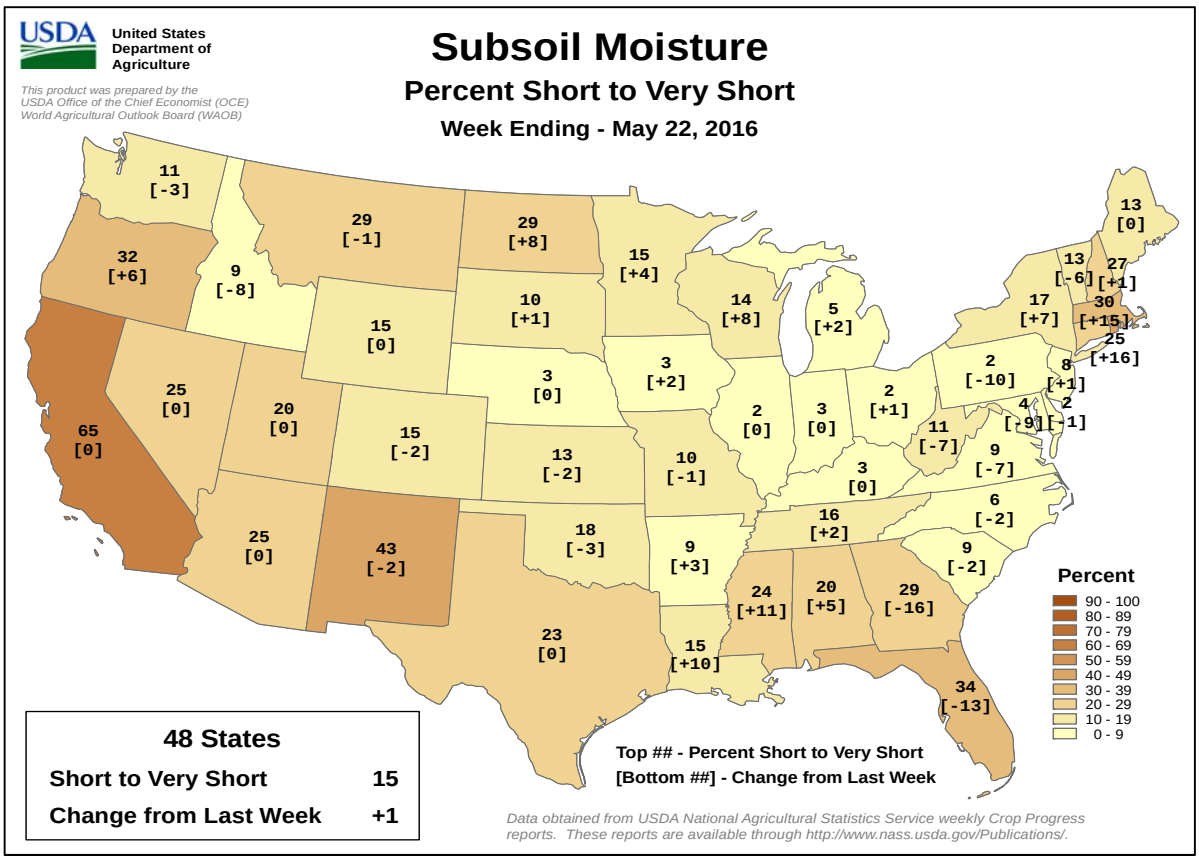


Crop Progress and Condition

Week Ending May 22, 2016

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





International Weather and Crop Summary

May 15-21, 2016

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

HIGHLIGHTS

EUROPE: Drier weather returned to much of the continent, allowing fieldwork to resume while promoting winter crop growth.

WESTERN FSU: Heavy rain with favored reproductive to filling winter wheat but hampered late summer crop planting.

EASTERN FSU: Mostly dry weather promoted spring wheat planting and emergence over northern Kazakhstan and central Russia, while rainfall benefited irrigated winter wheat in Uzbekistan.

MIDDLE EAST: Late-season showers lingered over northern crop areas, benefiting filling winter wheat while boosting irrigation supplies for summer crops.

SOUTH ASIA: A tropical cyclone brought heavy showers to eastern India and likely caused flooding in eastern Bangladesh and neighboring portions of India, where the amounts were the highest.

EAST ASIA: Dry weather aided wheat maturation on the North China Plain, while heavy rain continued in southern China.

SOUTHEAST ASIA: Monsoon showers the northern environs of the region, encouraging rice and other summer crop planting.

AUSTRALIA: Sunny skies in the south and east favored summer crop harvesting and winter crop planting, while showers in the west aided winter crop emergence and establishment.

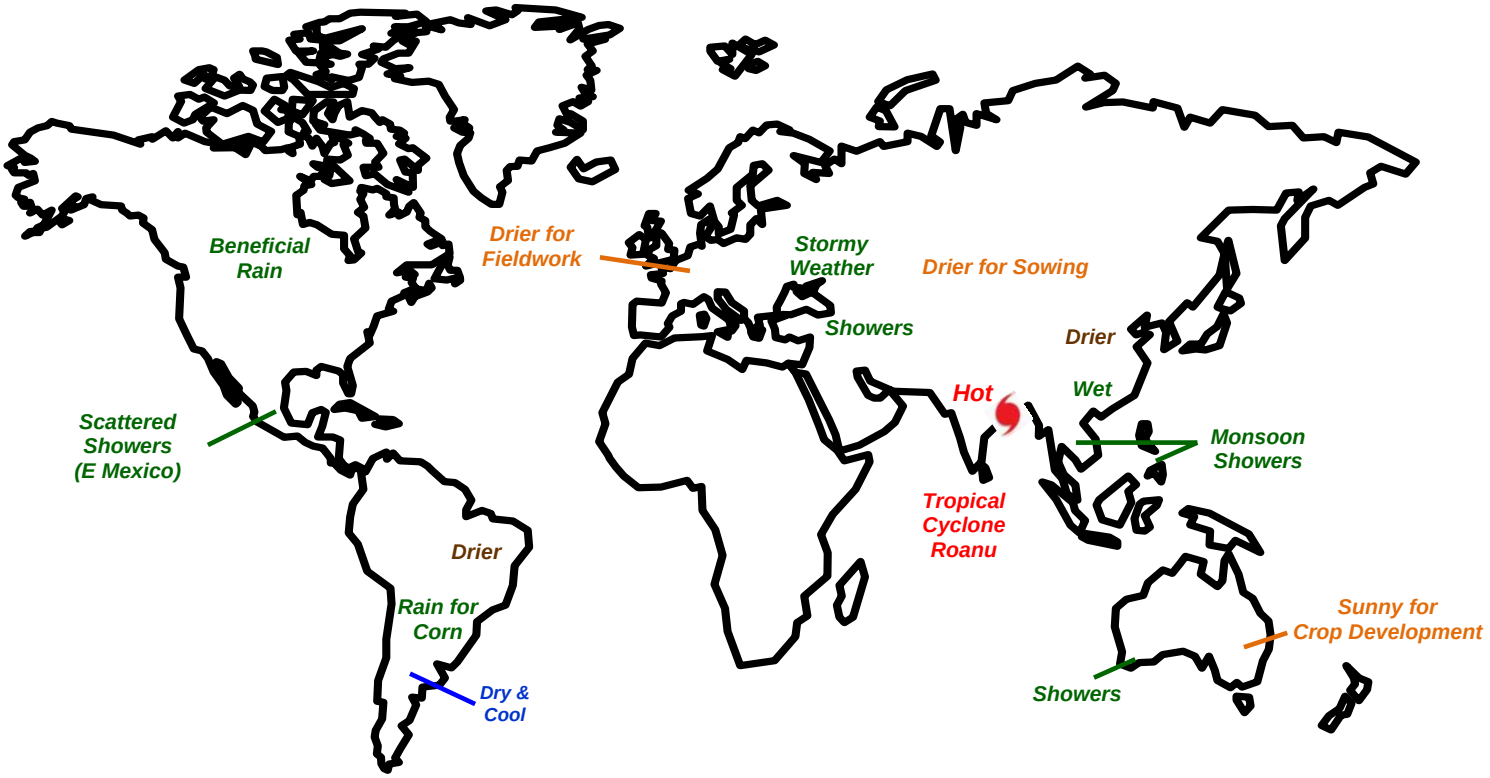
ARGENTINA: Dry weather favored drydown and harvesting of summer grains, oilseeds, and cotton.

BRAZIL: Beneficial rain continued in southern corn areas, but seasonably drier conditions dominated the more northerly production areas.

MEXICO: Corn planting progressed as warm, showery weather prevailed across the southern plateau.

CANADIAN PRAIRIES: Beneficial rain fell in drought-affected farming areas of Alberta.

SOUTHEASTERN CANADA: Dry albeit cool weather spurred corn and soybean planting.



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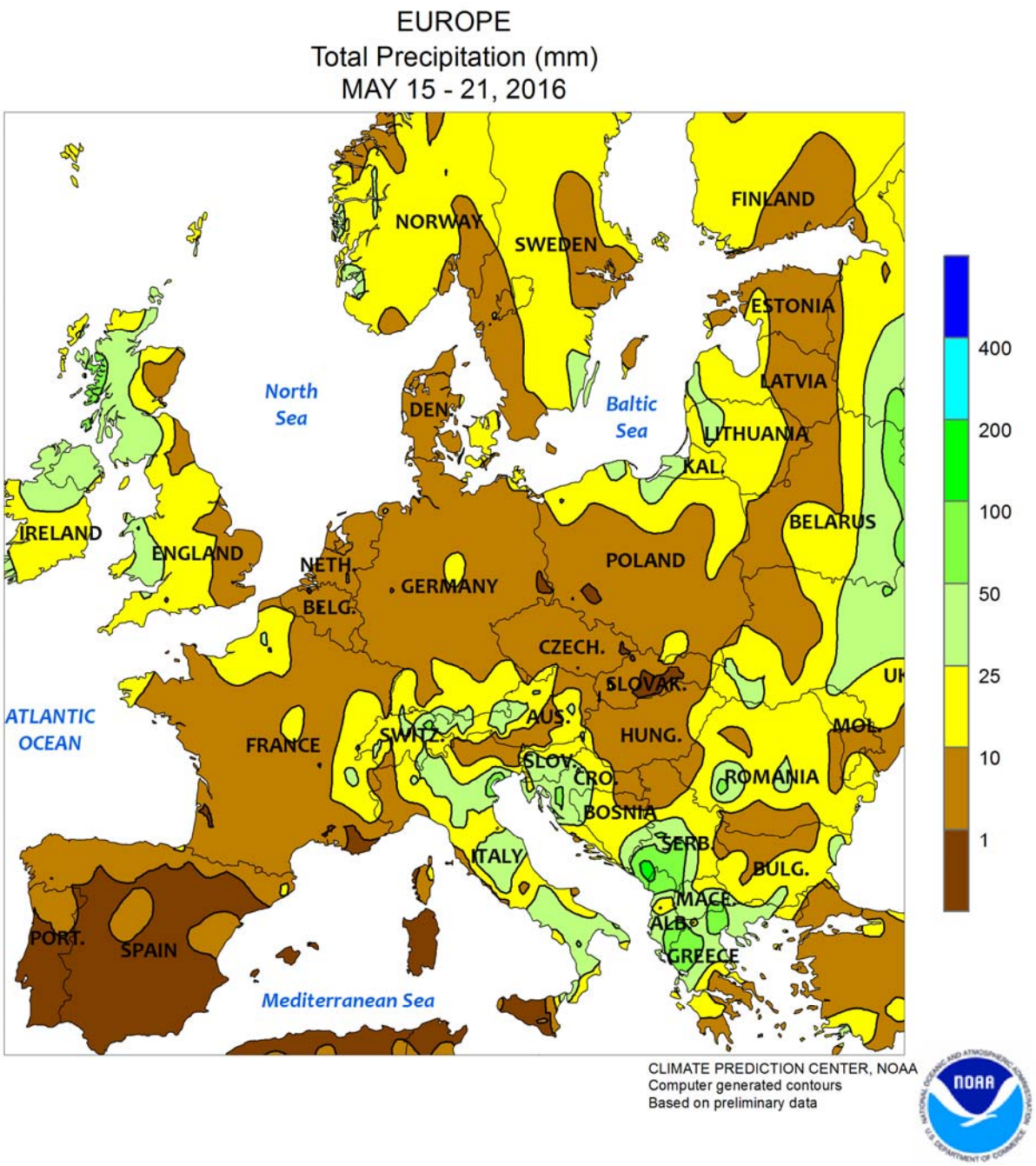

EUROPE

Drier weather returned to much of the continent, promoting winter crop development while favoring fieldwork. A much-needed respite from recent rain arrived from central France into southern Poland and the northern Balkans (amounts totaling less than 10 mm, locally less than 5 mm), allowing small grain and summer crop sowing to near completion. Furthermore, the return of sunny skies was beneficial for reproductive to filling winter grains and oilseeds. Dry weather also benefited wheat and barley maturation and harvesting in Spain. Nevertheless, several pockets of moderate to heavy rainfall lingered across Europe. Showers (10-40 mm) in the United Kingdom maintained adequate to abundant soil moisture for winter crops and small grains. Likewise, a slow-moving Mediterranean storm maintained moderate to heavy rainfall (10-90 mm) from southeastern France into Italy and the southern Balkans, benefiting vegetative summer crops but curtailing seasonal fieldwork. Lastly, 10 to 30 mm of rain sustained favorable moisture supplies for spring grains from northern Poland into the Baltic States. Temperatures for the week averaged 1 to 4°C below normal, though warmer conditions (up to 3°C above normal) were noted in Spain and northeastern England.

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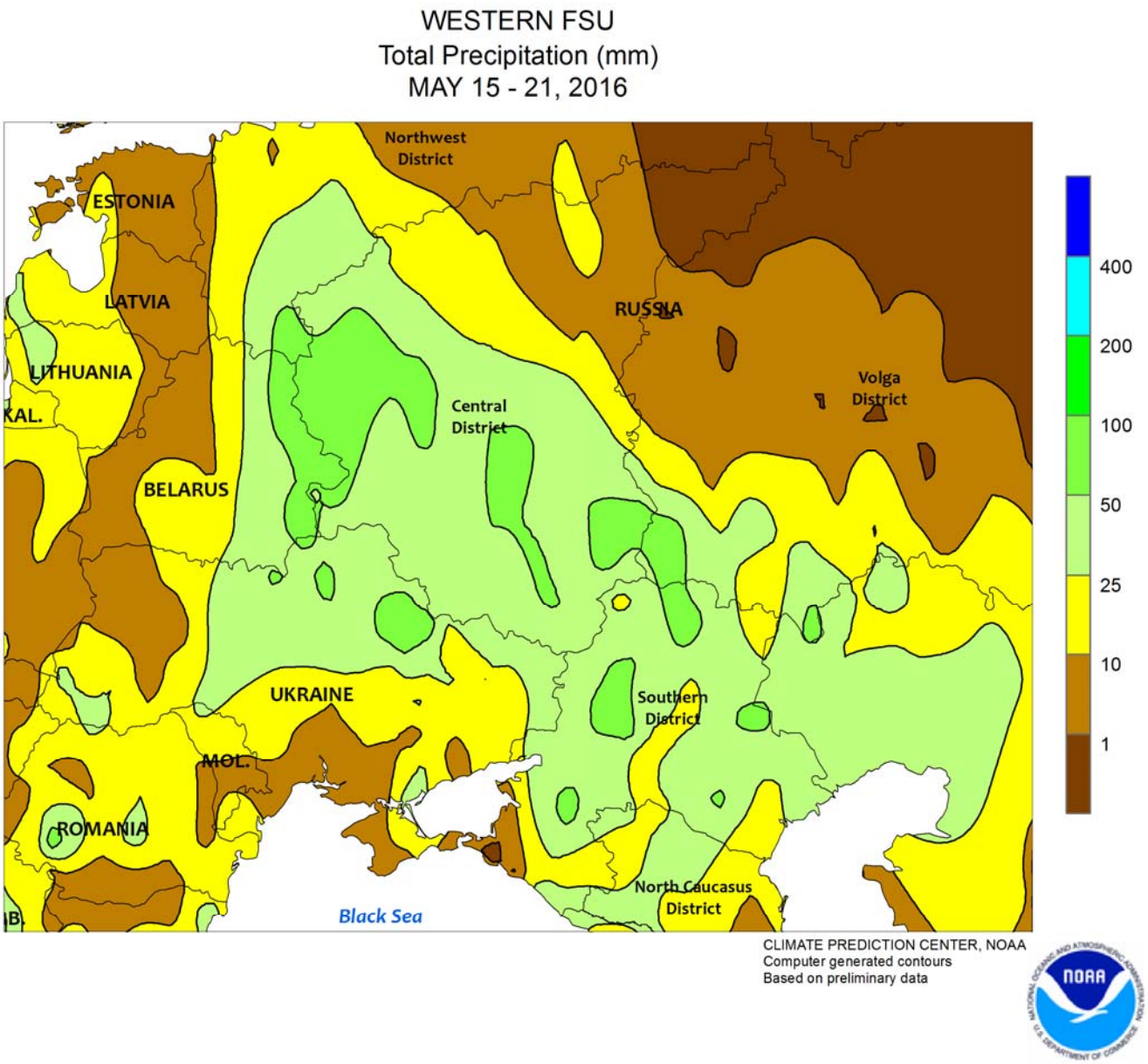
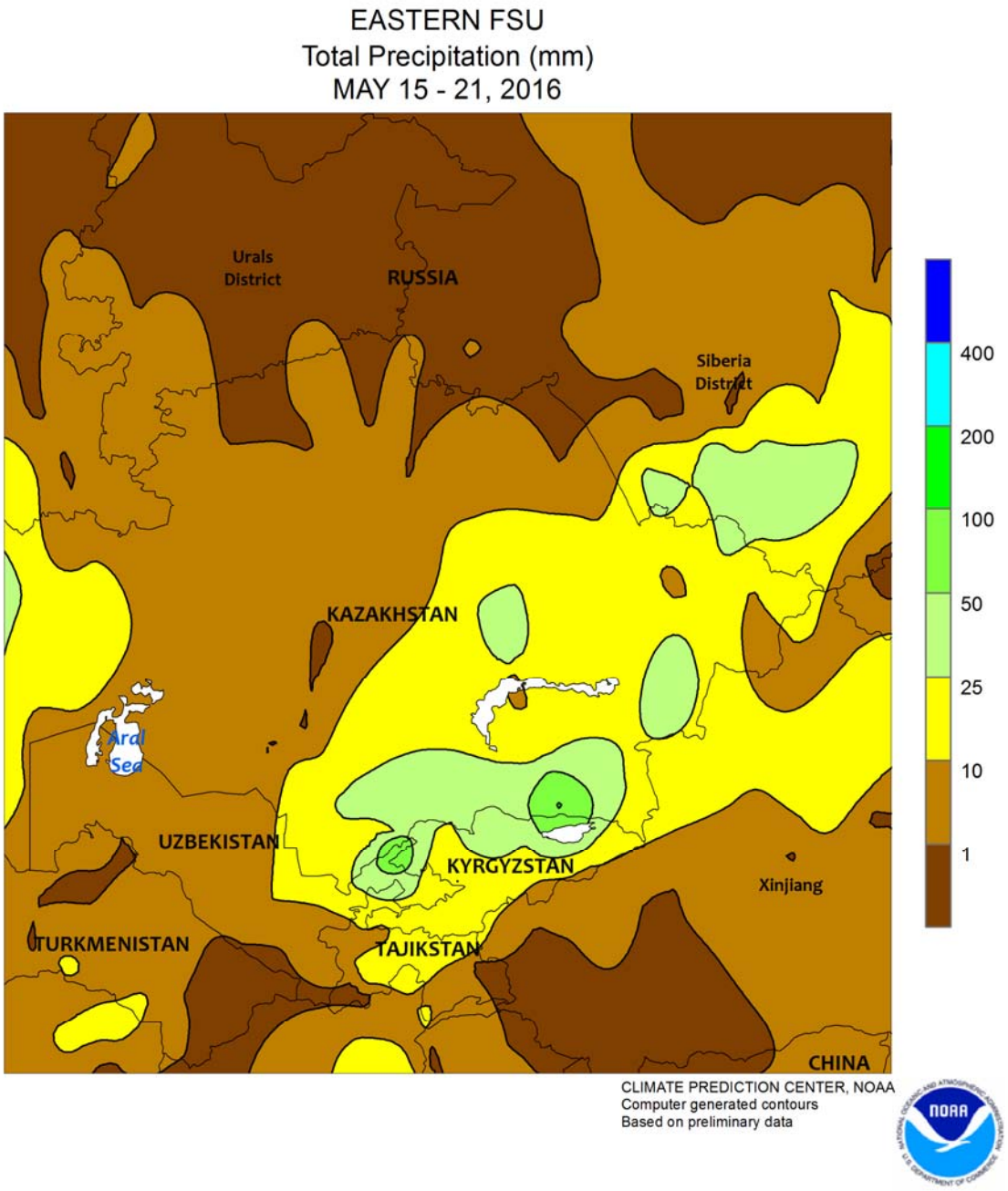


WESTERN FSU

Wet weather prevailed over much of the region, sustaining good to excellent winter crop prospects but curtailing seasonal fieldwork. A slow-moving disturbance triggered widespread showers and thunderstorms — some with large hail and heavy downpours — from eastern Belarus and northern Ukraine into western and southern Russia. Hail was most prominent in central and southern portions of Russia's Southern District early in the period, but impacts on regional crop production were minor, if any. In fact, the rain (10-70 mm, locally more) maintained good to excellent prospects for reproductive to filling winter wheat in Russia and Ukraine, though late summer crop sowing was slowed or halted by the locally heavy downpours.

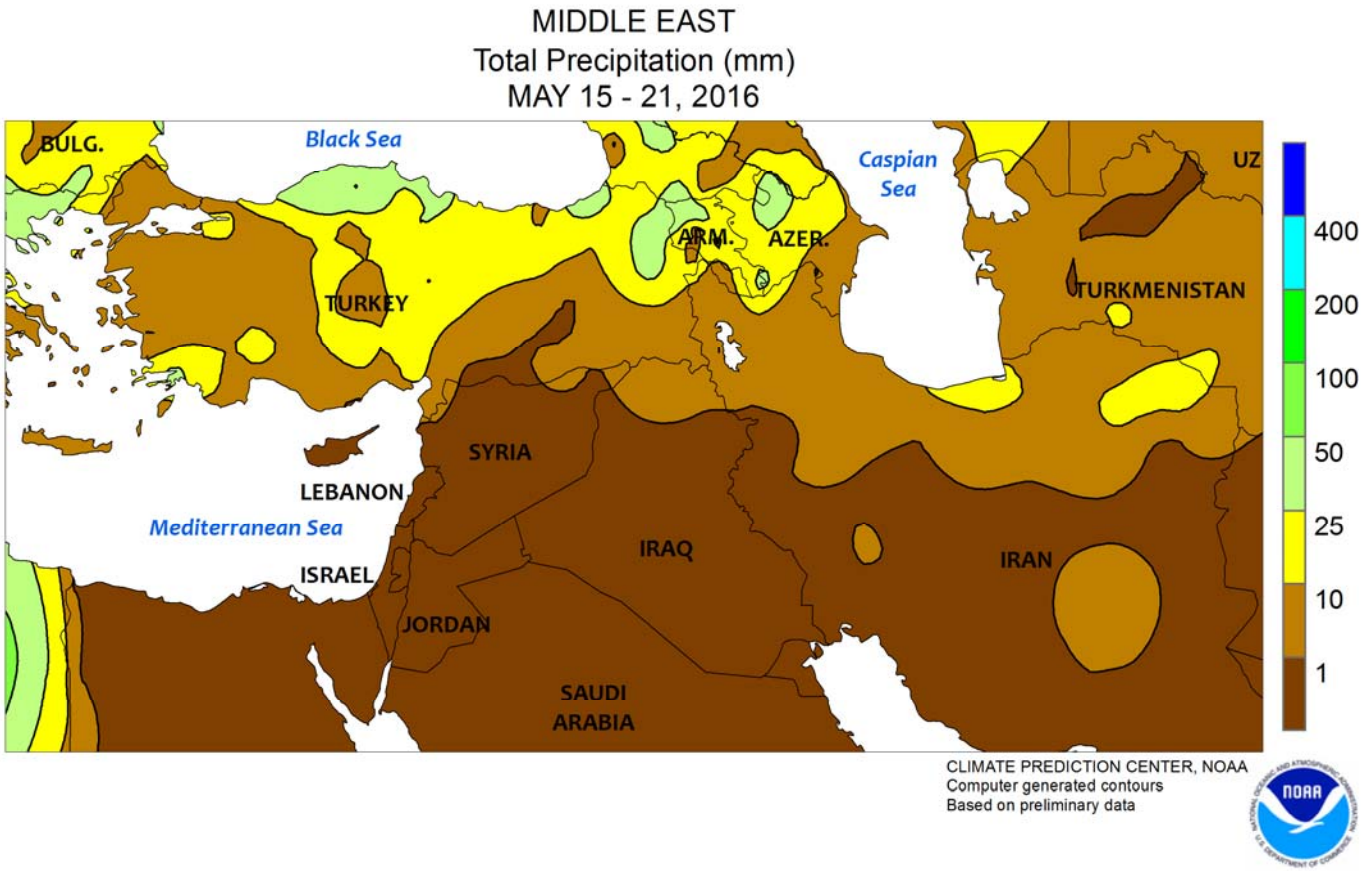
For additional information contact: mbrusberg@oce.usda.gov



EASTERN FSU

Favorably dry weather in the north contrasted with additional beneficial rainfall in southern portions of the region. Across northern Kazakhstan and neighboring portions of central Russia, sunny skies and near-normal temperatures promoted a rapid pace of spring wheat planting. However, for a second consecutive week eastern-most portions of the spring wheat belt tallied heavier showers (10-40 mm), slowing fieldwork but maintaining adequate to abundant soil moisture for wheat establishment. Farther south, heavy showers and thunderstorms (10-95 mm, locally more) over eastern Uzbekistan and environs provided supplemental moisture for irrigated winter wheat, which was in the reproductive to grain-fill stages of development.

For additional information contact: mbrusberg@oce.usda.gov



MIDDLE EAST

Unsettled weather in northern portions of the region contrasted with seasonably hot, dry conditions across southern crop areas. From central and northern Turkey into northern portions of Iran, widespread light to moderate showers (2-30 mm, locally more) sustained adequate moisture supplies for filling winter wheat and barley. The rain also maintained or boosted irrigation supplies for warm-season summer crops, including sunflowers, corn, and cotton. Across the southern third of the region, sunny, seasonally hot conditions favored winter grain harvesting.

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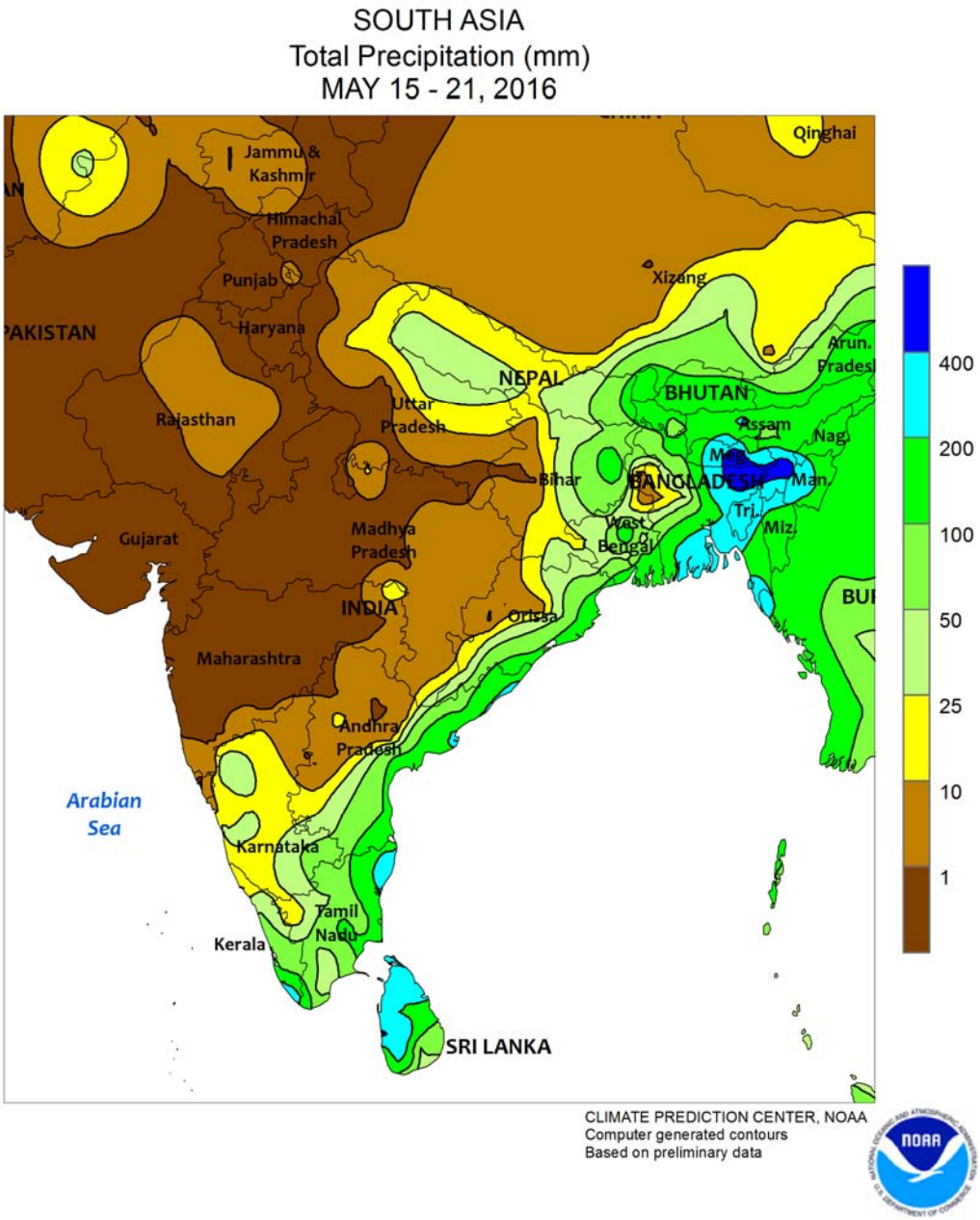
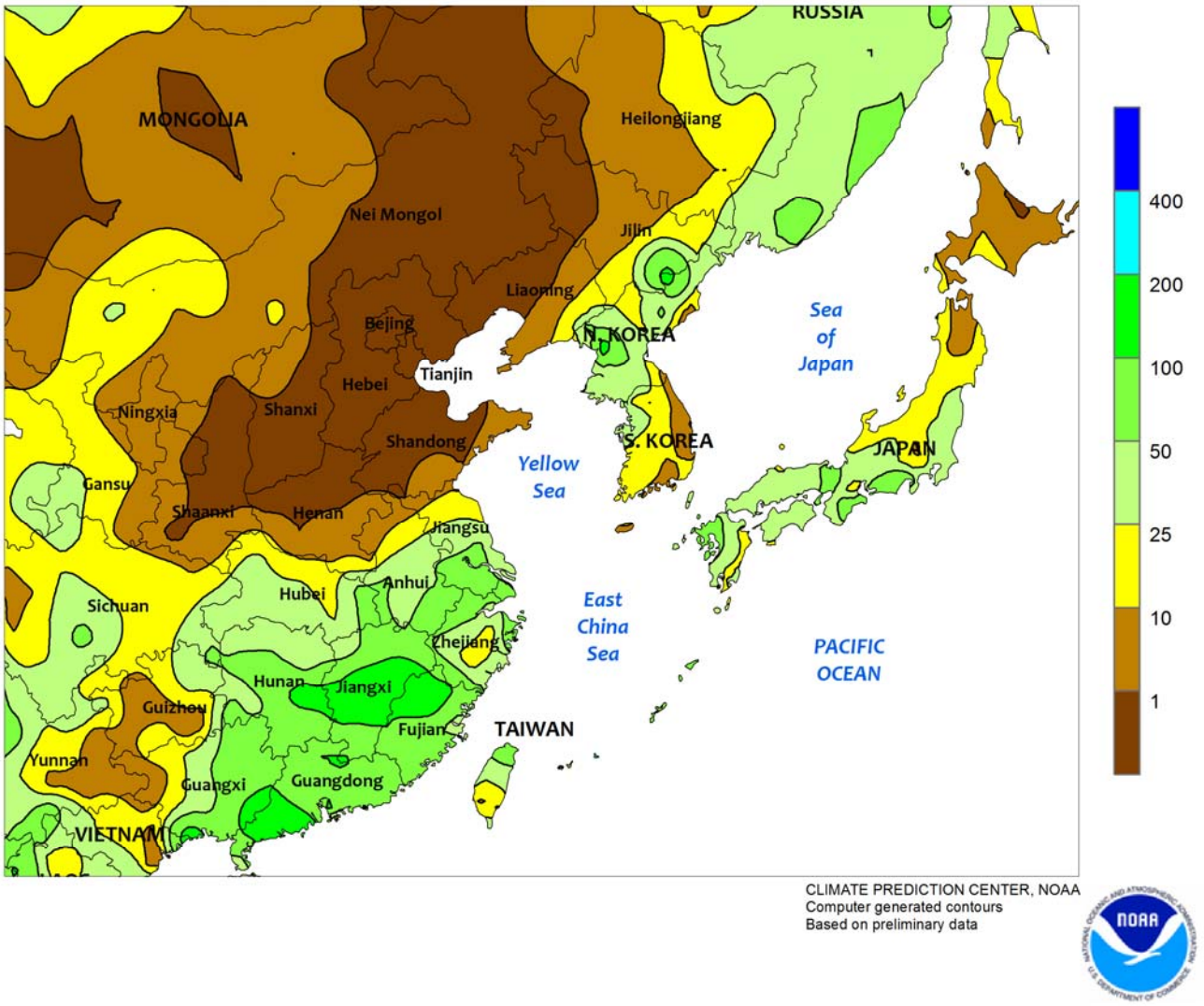


SOUTH ASIA

Tropical Cyclone Roanu formed off the eastern coast of India, near Andhra Pradesh, late in the period. Roanu followed the coast northward and made landfall in Bangladesh near the border with Burma by week's end. The storm brought in excess of 200 mm of rainfall along the coast, with amounts declining rapidly farther inland. In the vicinity of landfall, rainfall amounts exceeded 300 mm, with a report of 622 mm in northeastern India. Nevertheless, most of the rain had limited impact on agriculture other than boosting irrigation supplies. Although, the deluge in and around Bangladesh likely caused flooding and localized damage to rice. Earlier in the period, an area of low pressure moved across Sri Lanka and proceeded into southeastern India (Tamil Nadu), bringing torrential rain (200-400 mm) to rice in Sri Lanka and near the border area of Tamil Nadu and Andhra Pradesh in India. The low pressure system brought lesser amounts to Kerala (25-100 mm, locally more) and Karnataka (10-30 mm). Farmers in these states are awaiting the onset of monsoon rainfall (typically occurring in early June) before beginning widespread rice and other summer crop planting. Meanwhile, the remainder of India was seasonably hot and dry, with isolated showers causing few delays in fieldwork preparations (cotton and rice planting continued in northern states).

For additional information contact: mbrusberg@oce.usda.gov

EASTERN ASIA
Total Precipitation (mm)
MAY 15 - 21, 2016



EASTERN ASIA

Dry weather returned to the North China Plain, and along with seasonably warm conditions, promoted winter wheat maturation. However, the conditions reduced soil moisture reserves for corn and other summer crops that will follow wheat (wheat is typically harvested in June). In northeastern China, early-week rain gave way to dry conditions for the remainder of the week. Rainfall amounts were below 10 mm in all but the easternmost areas where weekly totals were 10 to over 25 mm. The dry weather over the majority of the week allowed corn, soybean, and rice planting to accelerate. Meanwhile in southern China, seasonably heavy showers (25-100 mm, locally more) maintained abundant soil moisture and full irrigation stores for rice and other summer crops. However, persistent rainfall in excess of 100 mm across southeastern China has likely resulted in localized ponding, especially in fields with poor drainage. Elsewhere in the region, showers (25-50 mm) kept newly-planted rice well watered in North Korea and into northwestern South Korea as well as throughout much of Japan.

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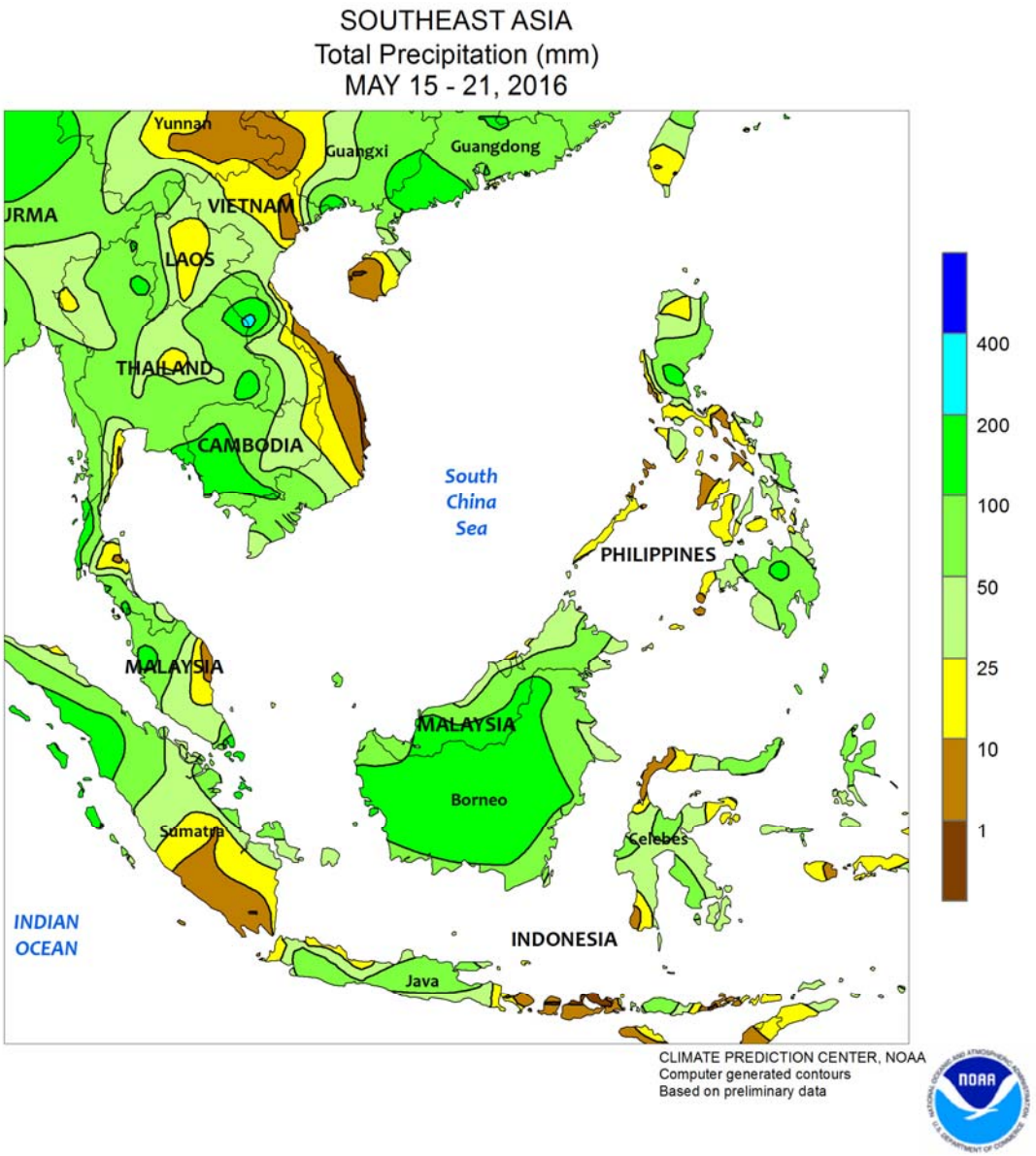

SOUTHEAST ASIA

Winds veered to the southwest across southern and western Thailand, signaling the start of the summer monsoon season. The onset was 1 to 2 weeks later than the normal start date (May 6-10). With the change in winds, rainfall was widespread and totaled over 50 mm throughout much of Thailand and into Laos, Cambodia, and parts of northern Vietnam. The increased showers encouraged rice, corn, and other summer crop cultivation, while helping to improve reservoir and other irrigation stores that are severely low. In contrast, the summer rainy season continued to be slow to start in southern Vietnam, where irrigation supplies remained a concern for summer-grown rice. To the east, the summer rainy season appeared to be underway in the Philippines, with heavy showers (25-50 mm) reported in nearly all regions. The showers provided favorable early-season prospects for summer rice and corn. Meanwhile, rainfall (25-100 mm) continued to increase across Malaysia, boosting soil moisture for drought-stricken oil palm, as seasonal showers (25-100 mm) continued in oil palm areas of Indonesia.

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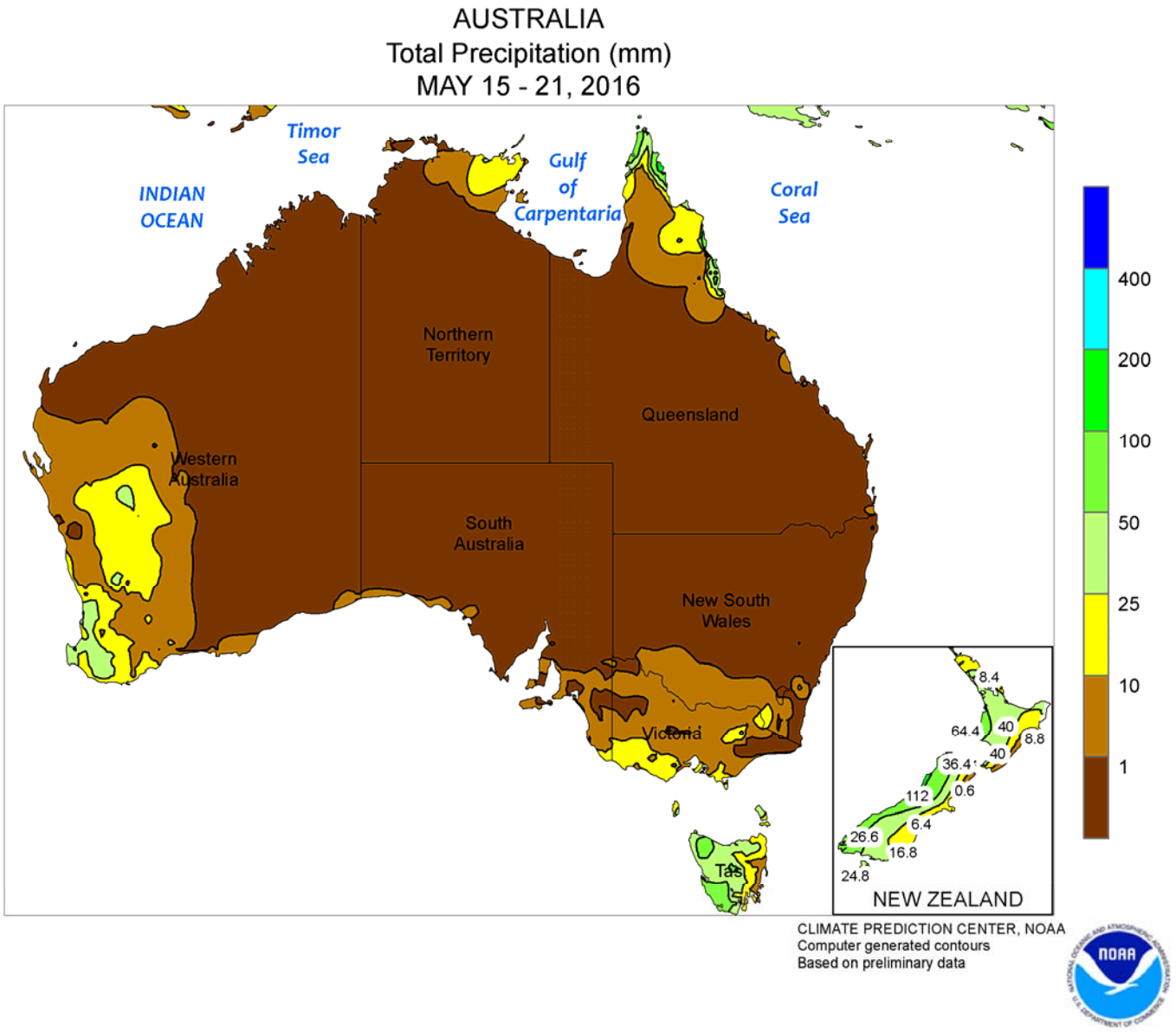
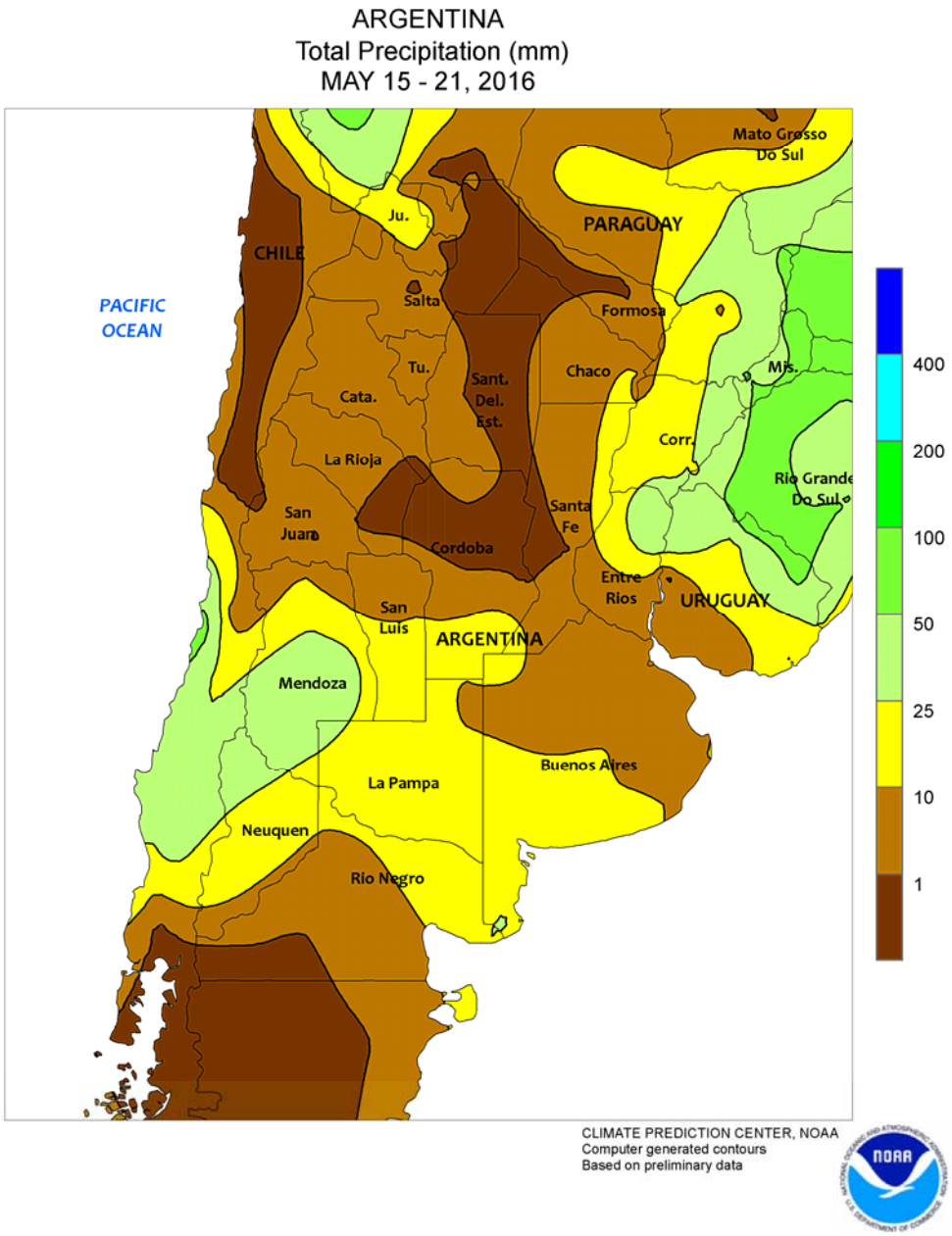


AUSTRALIA

Warm, dry weather persisted in southern Queensland and northeastern New South Wales, benefiting late summer crop harvesting and additional winter crop planting. Similarly, warm, mostly dry weather (generally less than 5 mm) covered much of southeastern Australia. In the wake of last week's soaking rains, the warmth and dryness promoted winter crop germination and emergence and likely encouraged additional sowing. Elsewhere in the wheat belt, widespread showers (10-25 mm) overspread Western Australia late in the week. The rain maintained adequate to abundant moisture supplies for wheat, barley, and canola, aiding emergence and establishment. Temperatures in Western Australia averaged near normal. However, in southern and eastern Australia temperatures averaged 1 to 3°C above normal, accelerating early winter grain and oilseed development.

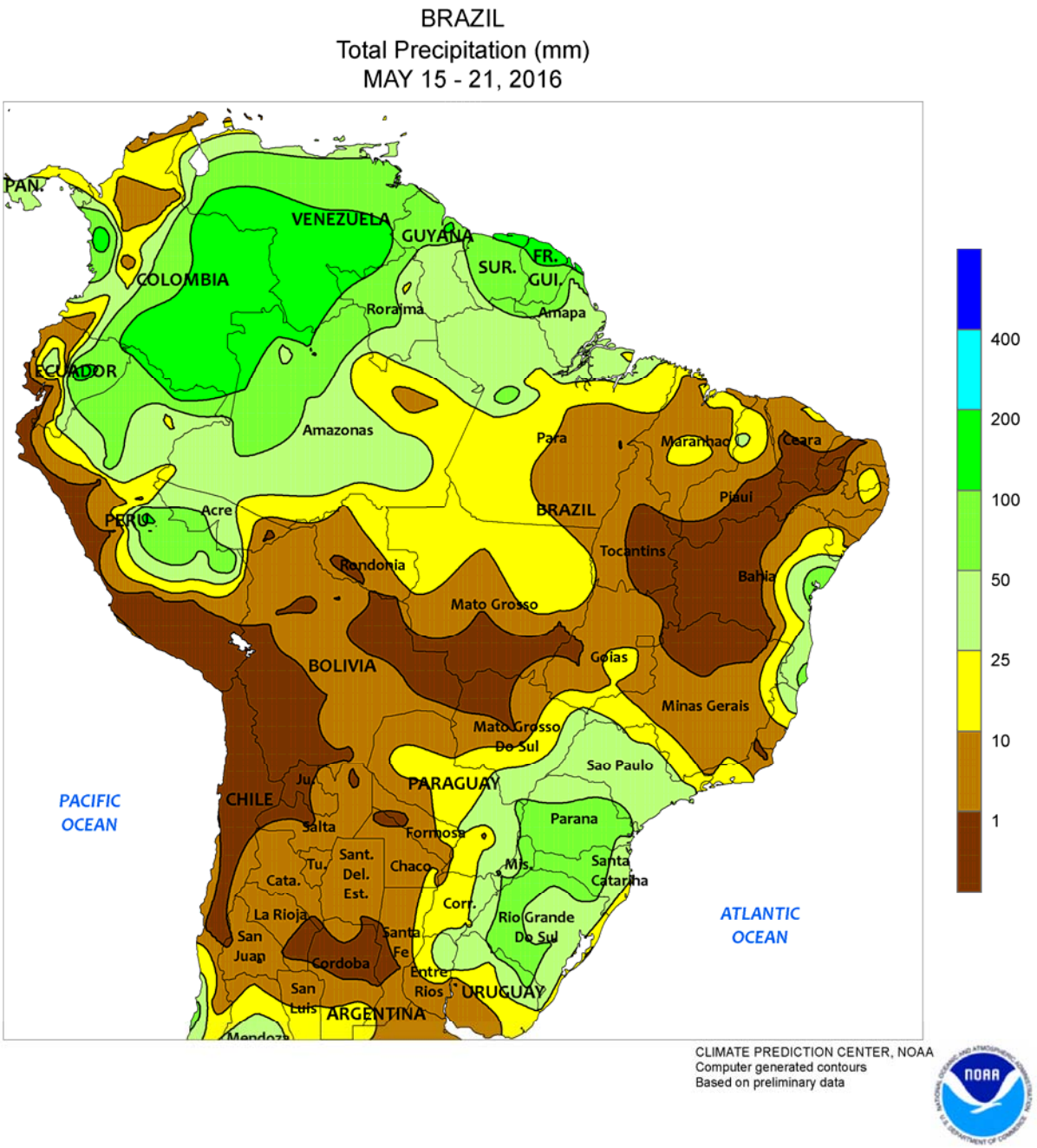
For additional information contact: mbrusberg@oce.usda.gov



ARGENTINA

Dry weather prevailed throughout key central and northern farming areas, favoring drydown and harvesting of summer grains, oilseeds, and cotton. Little to no rain fell from central sections of Cordoba and Santa Fe northwestward through Salta; mostly dry weather (rainfall totaling 5 mm or less) also dominated central Buenos Aires and the lower Parana River Valley (northern Buenos Aires and nearby locations in Santa Fe and Entre Rios). Meanwhile, moderate amounts of rain (greater than 10 mm) were recorded in the northeast — including northern Entre Rios and northeastern Santa Fe — and the southwest (La Pampa, southwestern Buenos Aires, and southern Cordoba). Weekly temperatures averaged 2 to 4°C below normal, although freezing temperatures were confined to southern farming areas of La Pampa and Buenos Aires. Highest daytime temperatures for the week ranged from the middle 10s (degrees C) in La Pampa and Buenos Aires to the lower and middle 20s in northern farming areas. According to Argentina's Ministry of Agriculture, corn and soybean harvesting was 28 and 65 percent complete, respectively, as of May 19. In 2015, corn was 46 percent harvested and soybeans 89 percent.

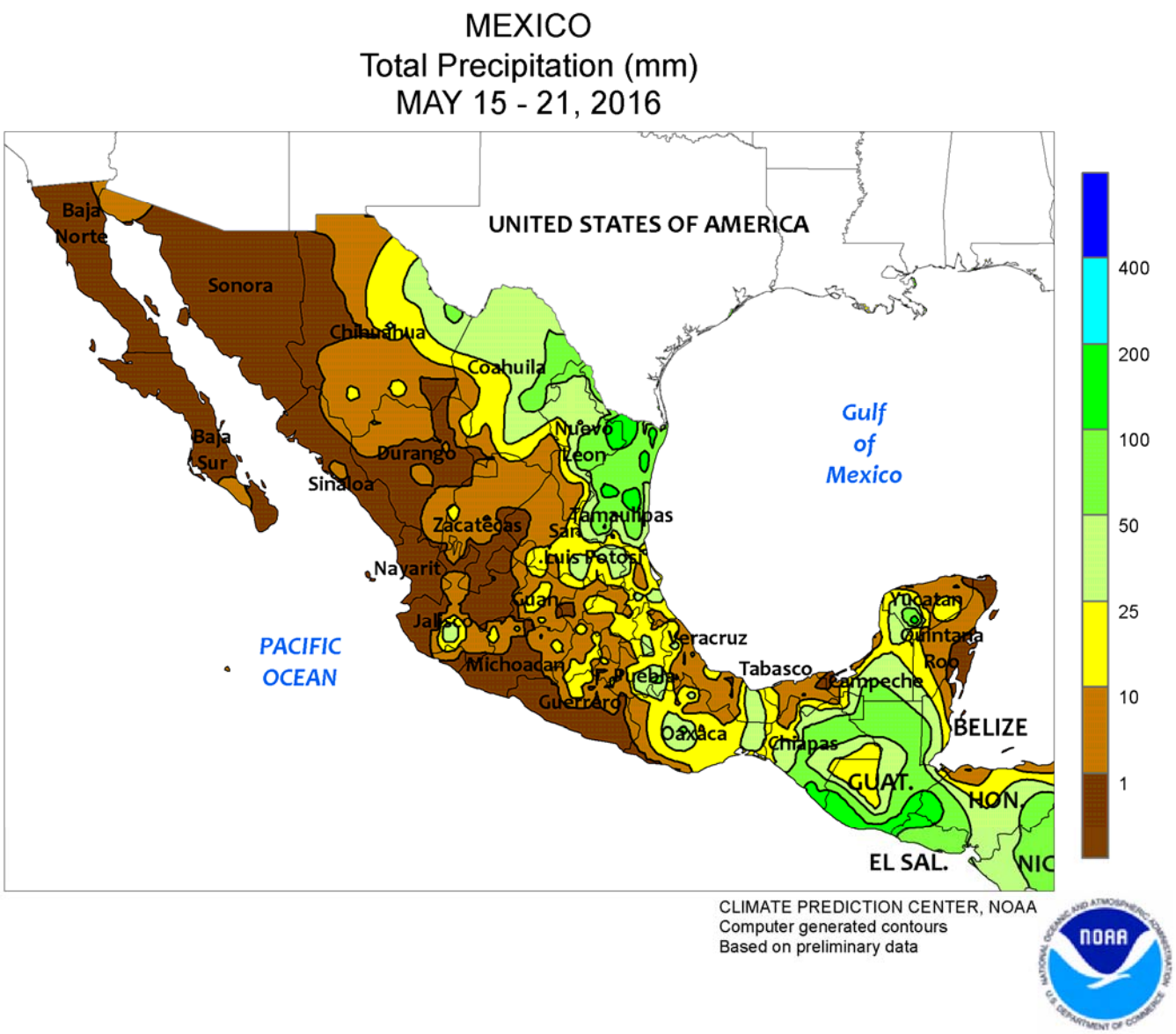
For additional information contact: mbrusberg@oce.usda.gov



BRAZIL

Beneficial rain overspread southern corn areas, as seasonable dryness continued in more northerly production areas. Rainfall totaled more than 50 mm over large portions of Parana and Rio Grande do Sul and as much as 25 mm through northern Sao Paulo and in neighboring sections of Mato Grosso do Sul. Weekly average temperatures were near to slightly below normal in the wettest locations, with nighttime lows falling below 5°C as far north as Parana on several days. Daytime highs topping out in the middle and upper 20s (degrees C) promoted corn growth, although warmer weather patter would have been welcome. According to the government of Parana, second-crop corn was mostly in the filling to mature stage as of May 16, with 75 percent of the crop rated in good condition. Elsewhere, seasonably drier conditions continued to dominate much of central and northeastern Brazil, with the heaviest rainfall (greater than 10 mm) confined to northern Mato Grosso; coastal showers (10-50 mm, locally higher) occurred in Bahia and northern Espirito Santos. Weekly temperatures averaged up to 5°C above normal as high temperatures reached the middle 30s on a daily basis from central Mato Grosso eastward through western Bahia and Piaui. The warmth and dryness sustained rapid growth rates of corn and cotton but additional rain could have benefited later-planted crops.

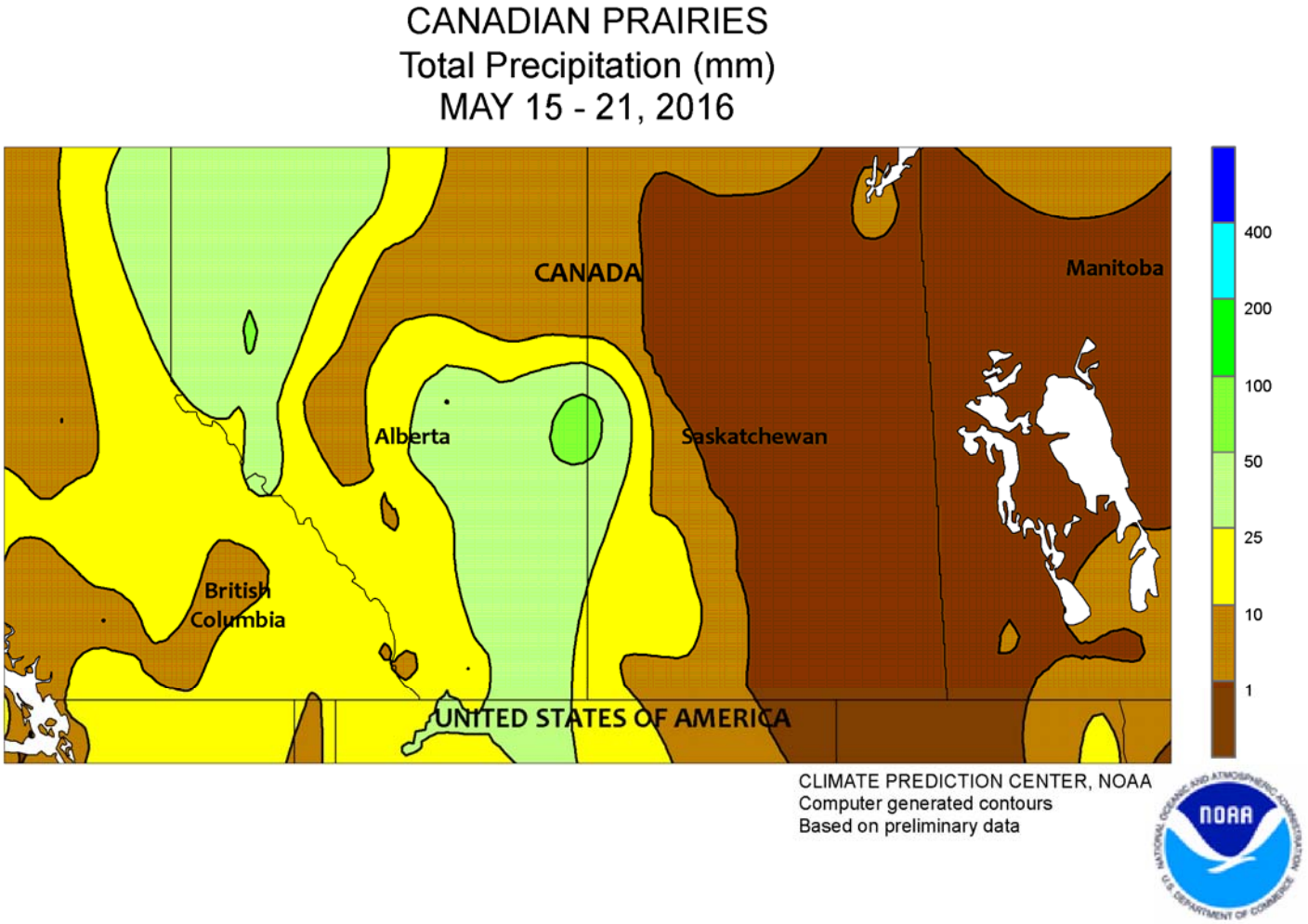
For additional information contact: mbrusberg@oce.usda.gov



MEXICO

Warm, showery weather prevailed across the southern plateau, encouraging corn planting. Showers were generally scattered and light, with the heaviest rainfall (greater than 10 mm, with local totals reaching 50 mm) concentrated over the east (in and around Puebla). Pockets of locally heavy rain (10-50 mm) were also scattered across the southeast (Oaxaca to Yucatan) but rainfall continued to be unseasonably light in southern Veracruz and in southern summer crop areas of Michoacan and Guerrero. In contrast, heavy rain (25 to 100 mm) developed over the northeast, giving a boost to reservoirs as far south as from Tamaulipas to eastern Coahuila. Lighter amounts (10-25 mm) boosted moisture for sugarcane in the vicinity of northern Veracruz. Meanwhile, seasonably drier conditions in the northwest supported harvesting of winter wheat and corn.

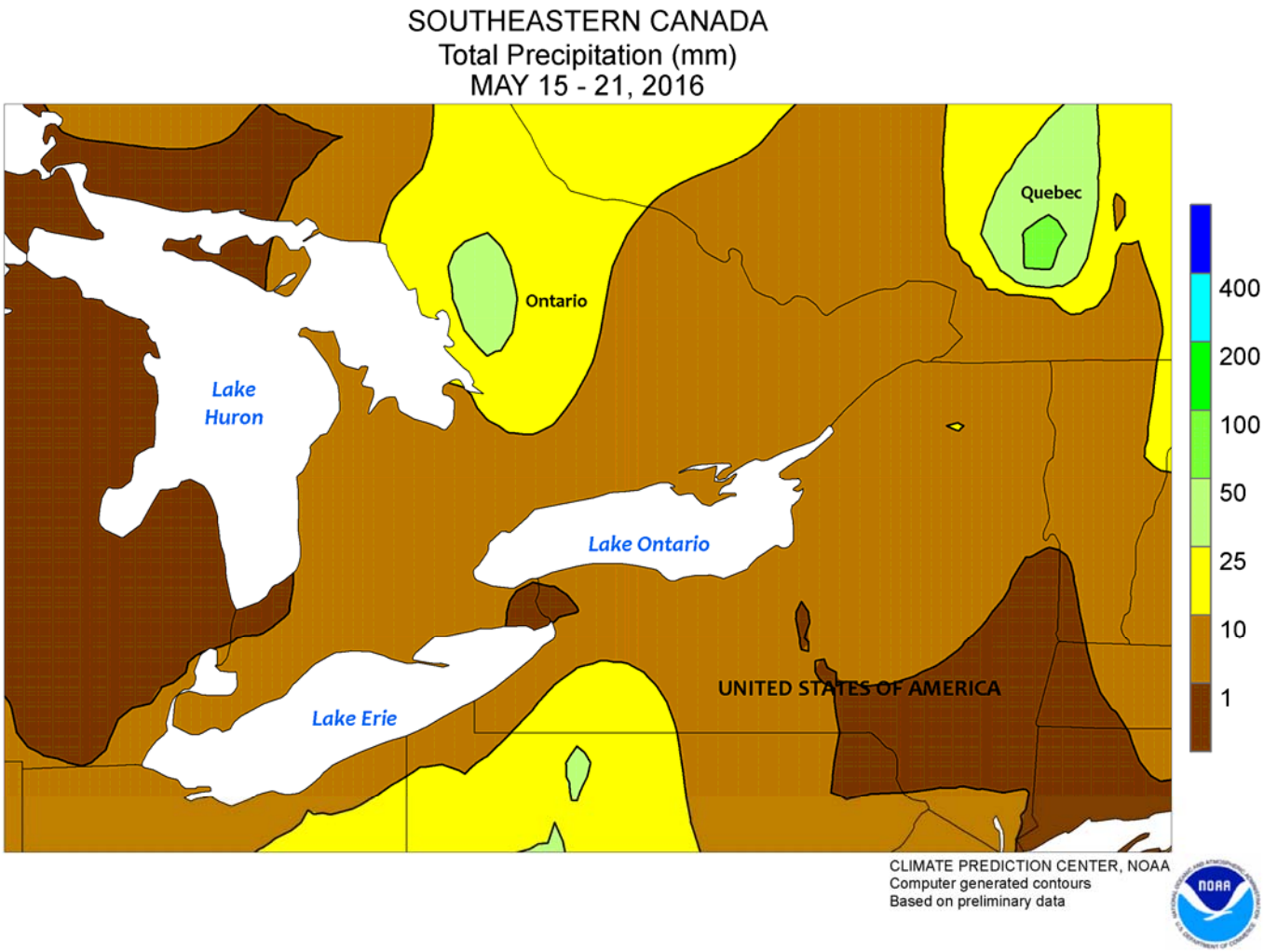
For additional information contact: mbrusberg@oce.usda.gov



CANADIAN PRAIRIES

Much-needed rain fell in drought-affected agricultural districts in Alberta, providing timely moisture for emerging spring grains and oilseeds. Most areas recorded at least 10 mm, with more than 25 mm falling in the driest northern farming areas, including the Peace River Valley and the region extending from Edmonton to Calgary. The moisture extended into Saskatchewan's western agricultural districts but the remainder of the Prairies was mostly dry, supporting a continuation of the rapid planting pace. Weekly temperatures averaged near normal in Alberta and 2 to 5°C above normal in Saskatchewan and Manitoba. Sub-freezing nighttime lows were recorded in many locations, including traditionally warmer locations of Manitoba and southeastern Saskatchewan. Highest daytime temperatures for the week ranged from the middle 20s (degrees C) in Alberta's northern farming areas to the upper 20s elsewhere, spurring rapid emergence. According to reports emanating from Canada, planting continued to advance at an accelerated pace. For example, planting of all spring crops was 51 percent complete in Saskatchewan as of May 16, compared with the 5-year average of 28 percent.

For additional information contact: mbrusberg@oce.usda.gov

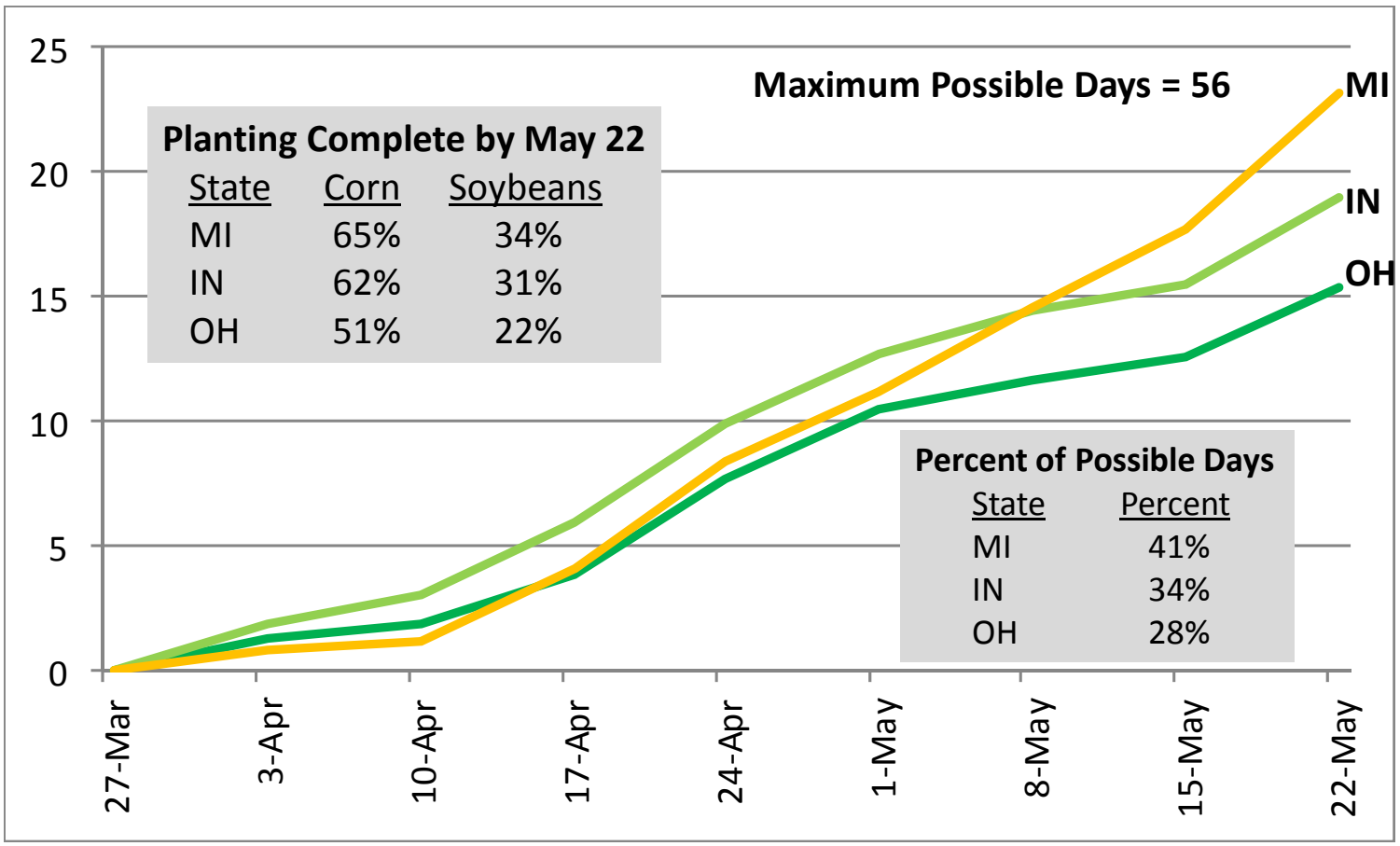


SOUTHEASTERN CANADA

Mostly dry weather supported summer crop planting, although below-normal temperatures slowed germination of newly-sown crops. Just a few isolated locations in Ontario and Quebec reported more than 10 mm of rainfall, although moisture was likely still sufficient for summer crop germination as well as development of winter wheat and pastures. Weekly average temperatures were 2 to 4°C below normal, with nighttime lows falling below 0°C in parts of southwestern Ontario, after the average date of the last spring freeze. Daytime highs reached the lower and middle 20s (degrees C) on several days at week's end in response to a much-needed warming trend. According to the government of Ontario, corn was 85 percent planted as of May 18; soybeans were reportedly 15 to 20 percent planting, slowed due to the impacts of the cold weather.

For additional information contact: mbrusberg@oce.usda.gov

USDA/NASS Days Suitable for Fieldwork
March 28 – May 22, 2016



Planting Complete by May 22

State	Corn	Soybeans
MI	65%	34%
IN	62%	31%
OH	51%	22%

Percent of Possible Days

State	Percent
MI	41%
IN	34%
OH	28%

For the week ending May 22, Michigan producers took advantage of drier weather to plant nearly one-third (31%) of their intended corn acreage, reaching 65% complete overall. Planting progress for summer crops also began to accelerate in other states, including Indiana and Ohio, which have been suffering from a lack of spring fieldwork opportunities.

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