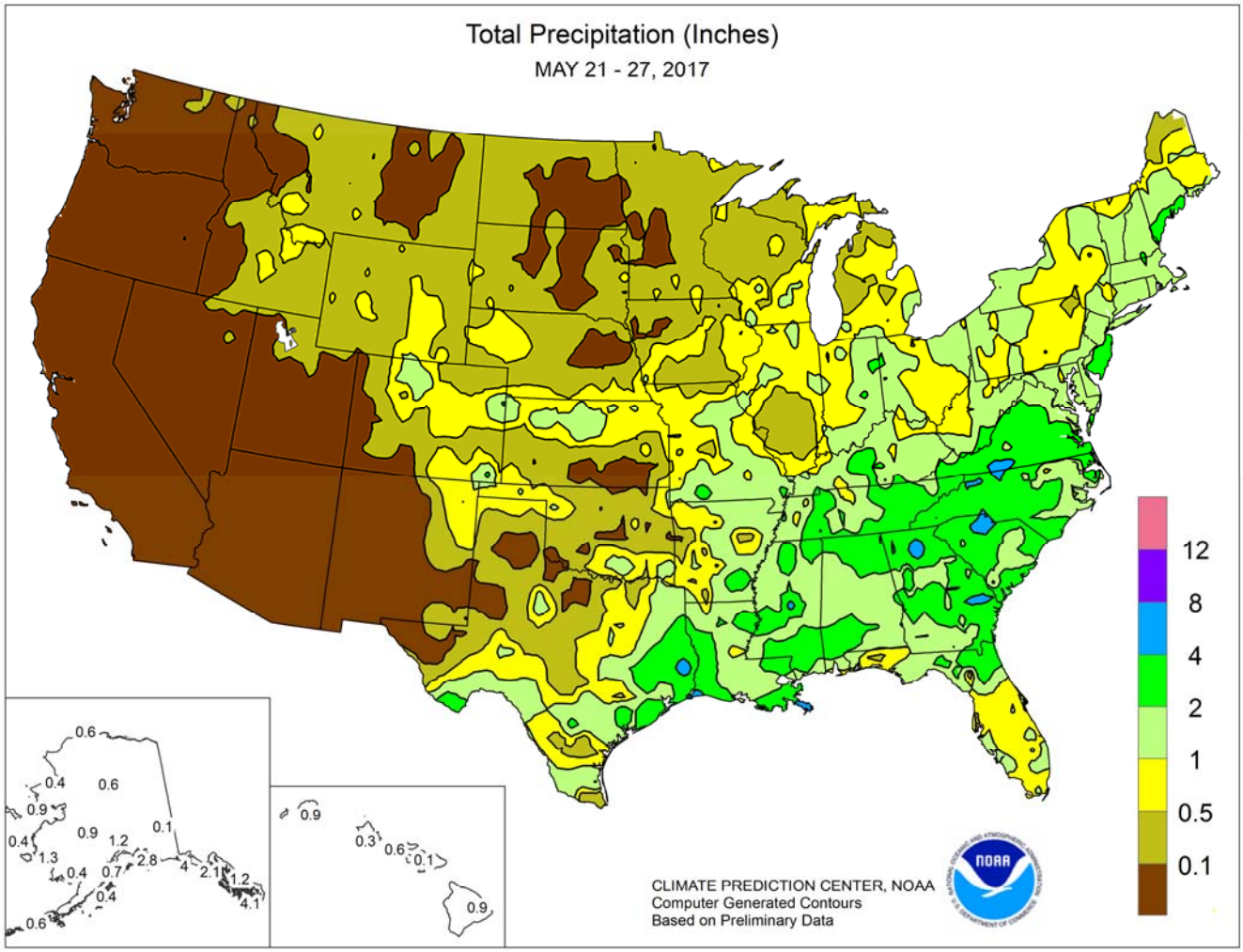
Volume 104, No. 22 http://www.usda.gov/oce/weather May 31, 2017

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 21 – 27, 2017

Highlights provided by USDA/WAOB

Rainfall slackened across major **Midwestern** corn and soybean production areas, but cool weather and occasional showers maintained a sluggish fieldwork pace. Some of the most significant **Midwestern** rain, locally 1 to 2 inches, fell from **Missouri into the lower Great Lakes region**. In addition, cool conditions dominated the **nation's mid-section**, with weekly temperatures averaging at least 5°F below normal across a broad area centered across the **upper Midwest**. Patchy freezes continued to affect portions of the **northern Plains**, especially from

(Continued on page 5)

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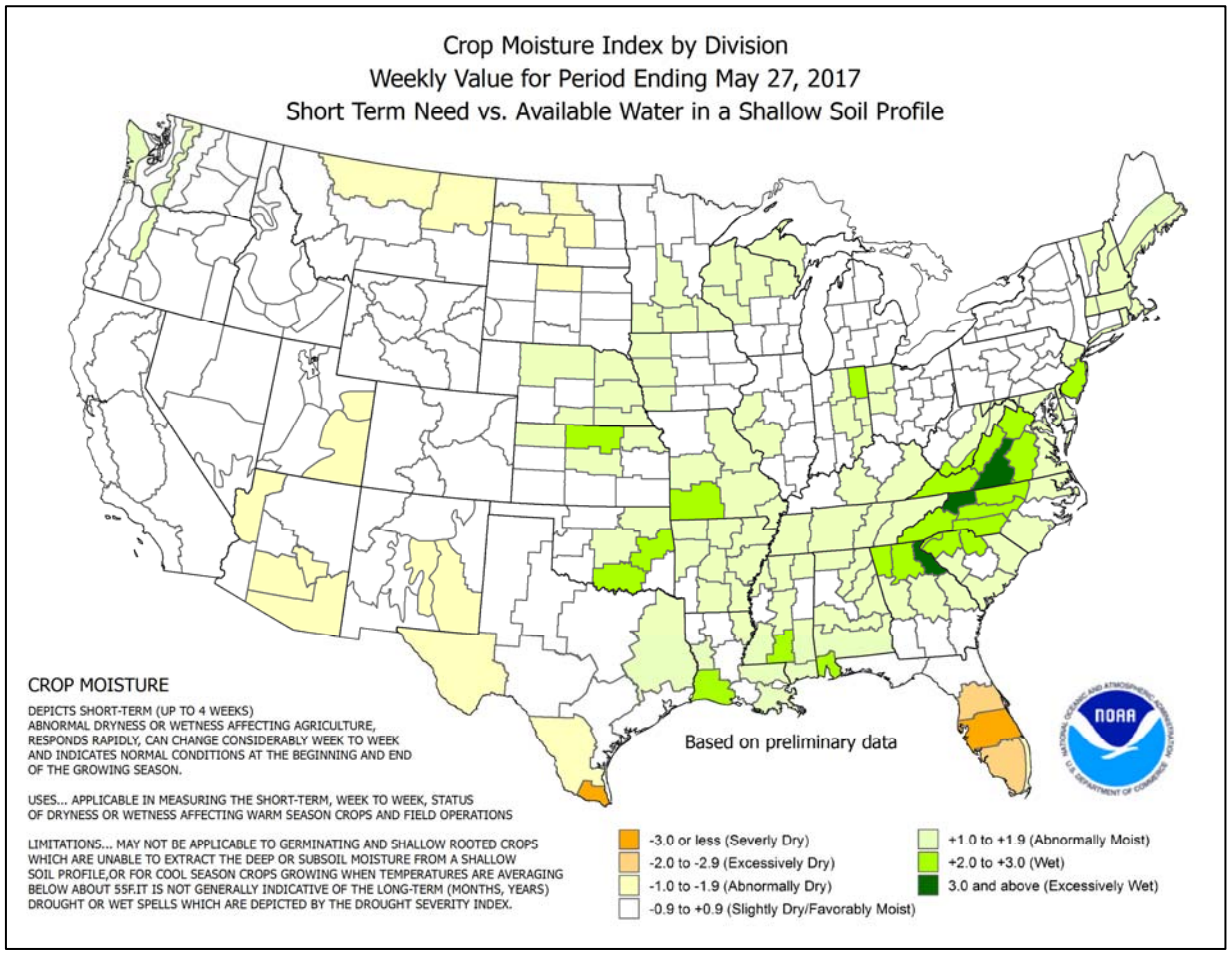
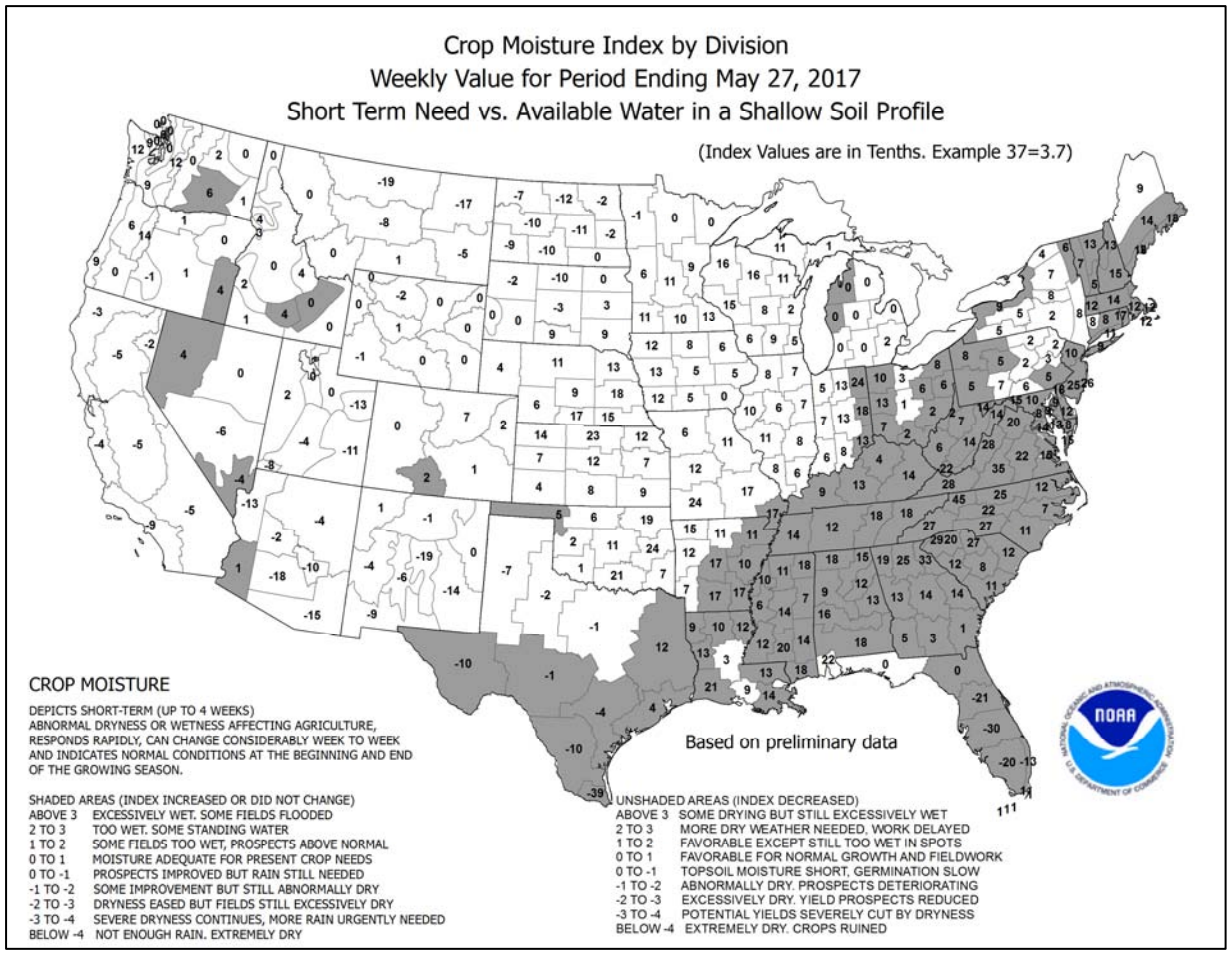
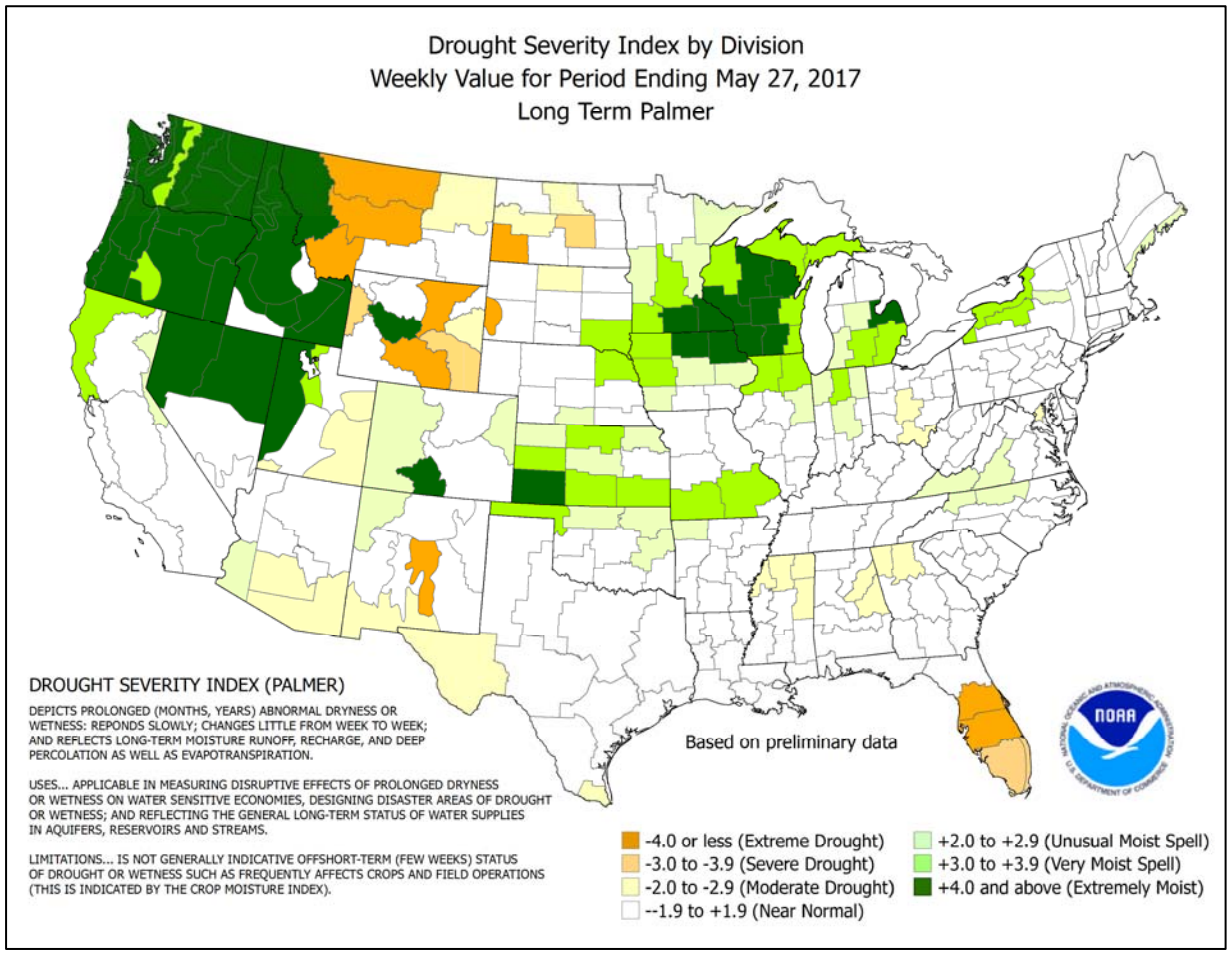
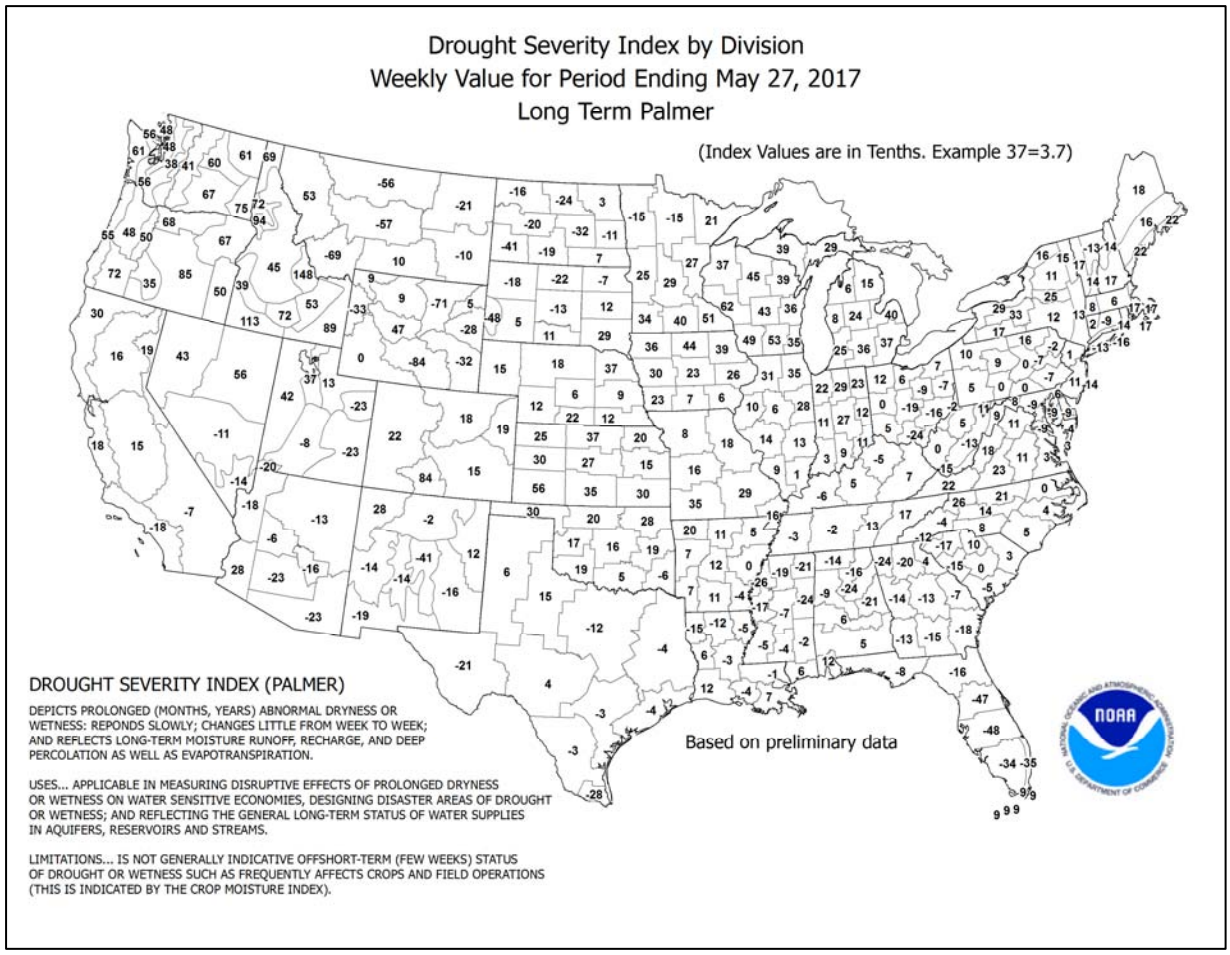

Crop Moisture Index by Division
Weekly Value for Period Ending May 27, 2017
Short Term Need vs. Available Water in a Shallow Soil Profile
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES 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
NOAA
-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 27, 2017
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.
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
Based on preliminary data
NOAA


Drought Severity Index by Division
Weekly Value for Period Ending May 27, 2017
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS: REPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION AS WELL AS EVAPOTRANSPIRATION.
USES... APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS AND STREAMS.
LIMITATIONS... IS NOT GENERALLY INDICATIVE OFFSHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
--1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)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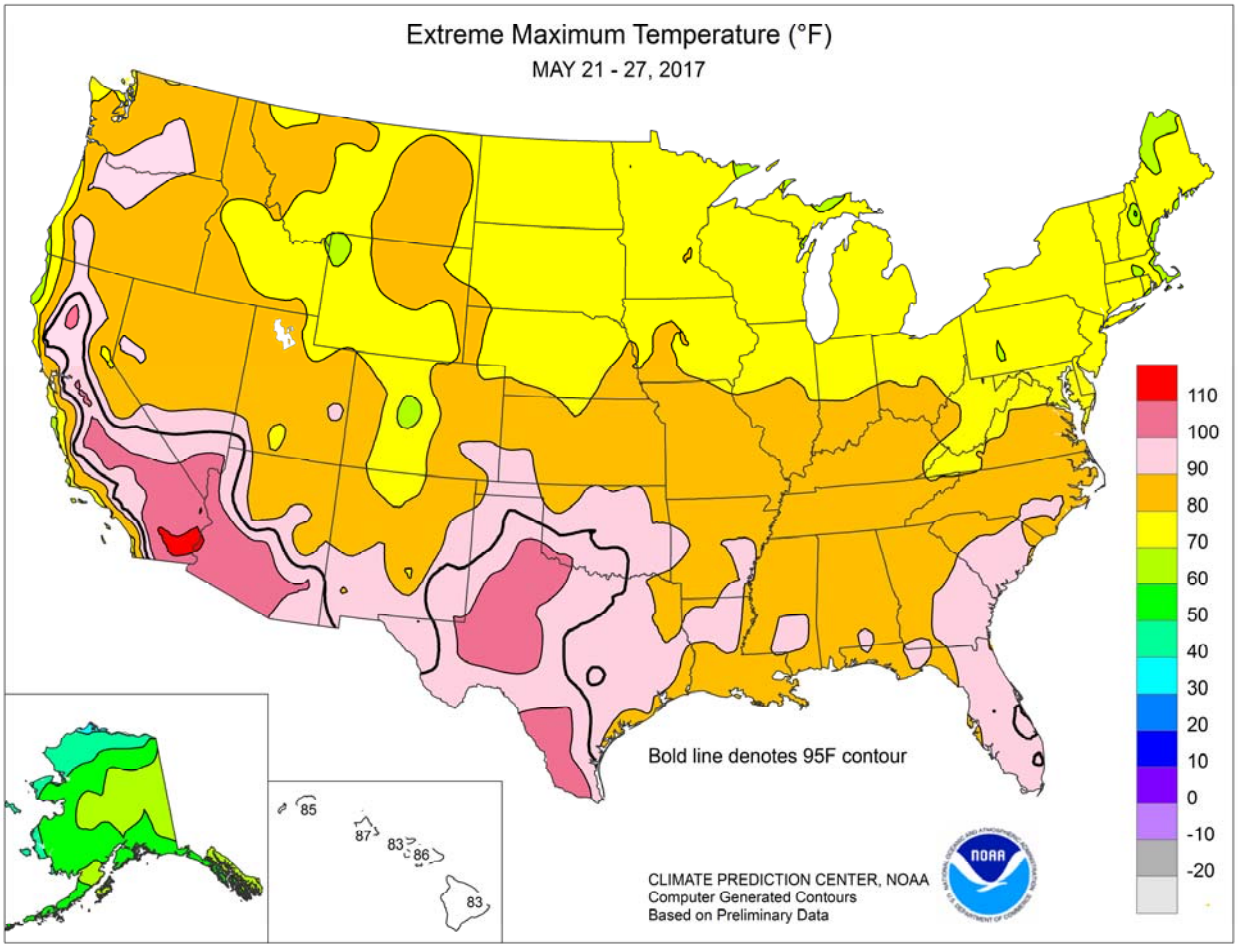
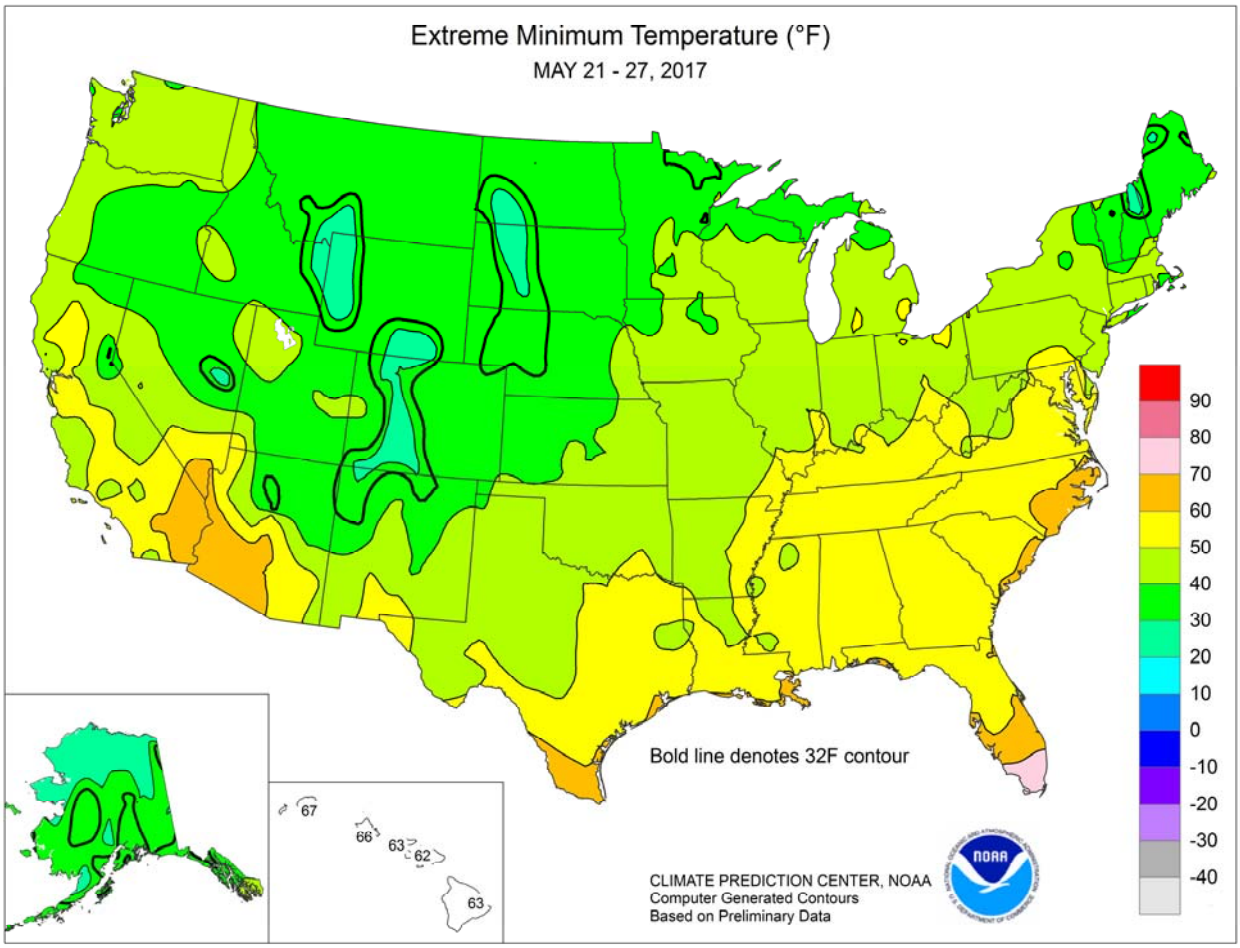
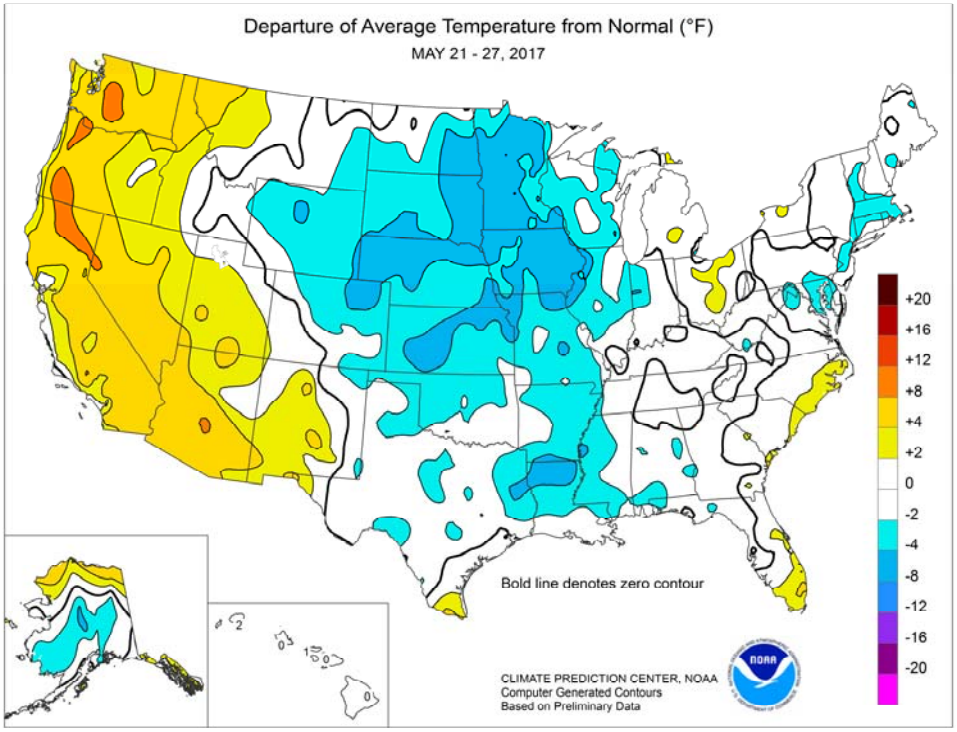

Extreme Maximum Temperature (°F)
MAY 21 - 27, 2017
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95F contour
85
87
83
86
83
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data


Extreme Minimum Temperature (°F)
MAY 21 - 27, 2017
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32F contour
67
66
63
62
63
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data

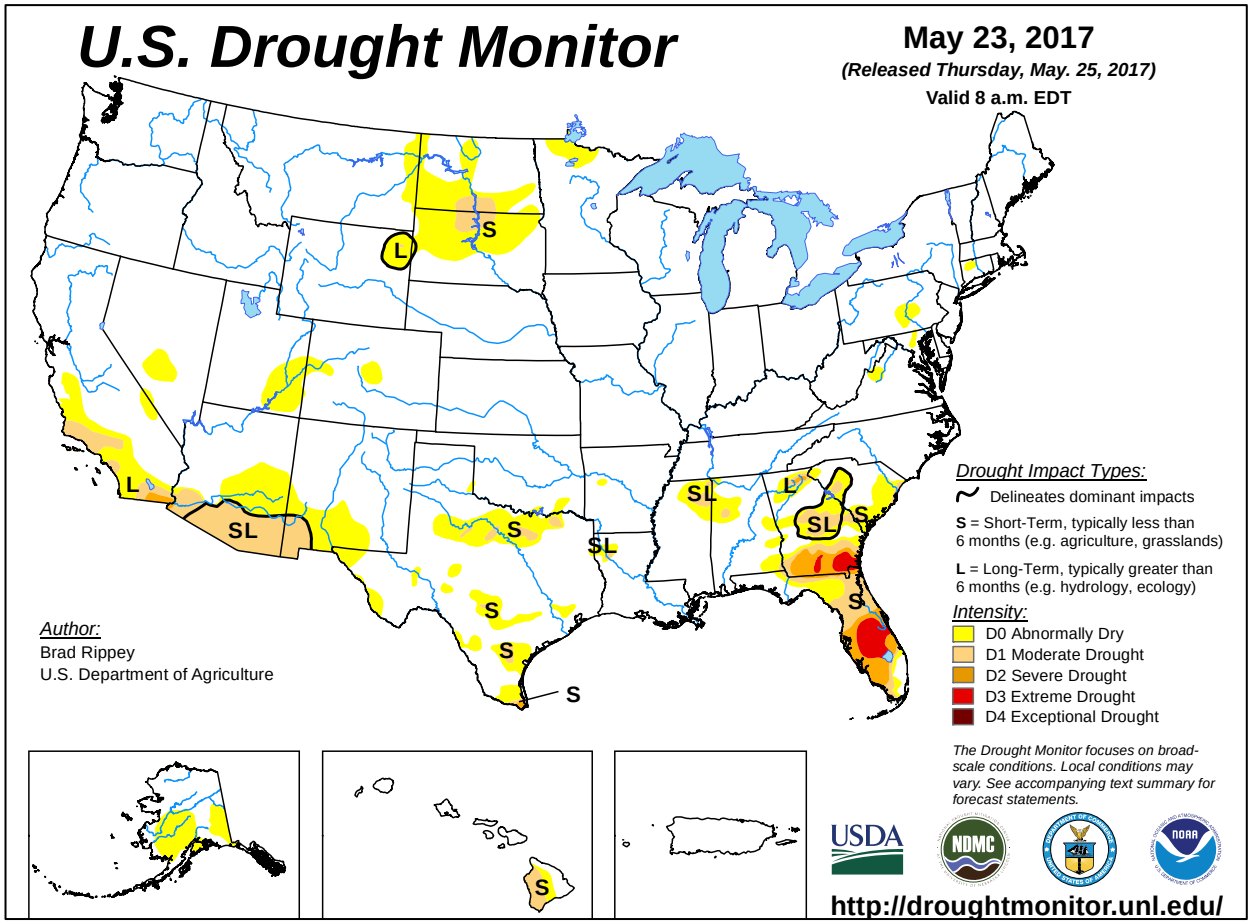
(Continued from front cover)
May 21-24. Farther south, drenching rains eased or eradicated most of the remaining **Southeastern** drought concerns, except across **Florida's peninsula**. Much of **central and southern Florida's** rain—totaling less than an inch in most locations—fell on May 24, and was followed by a return of hot, dry weather. In contrast, most areas **west of the Rockies** experienced a full week of dry weather, promoting a rapid fieldwork pace. In the **Far West**, very warm weather not only favored crop development but also melted high-elevation snowpack and left some rivers running high.

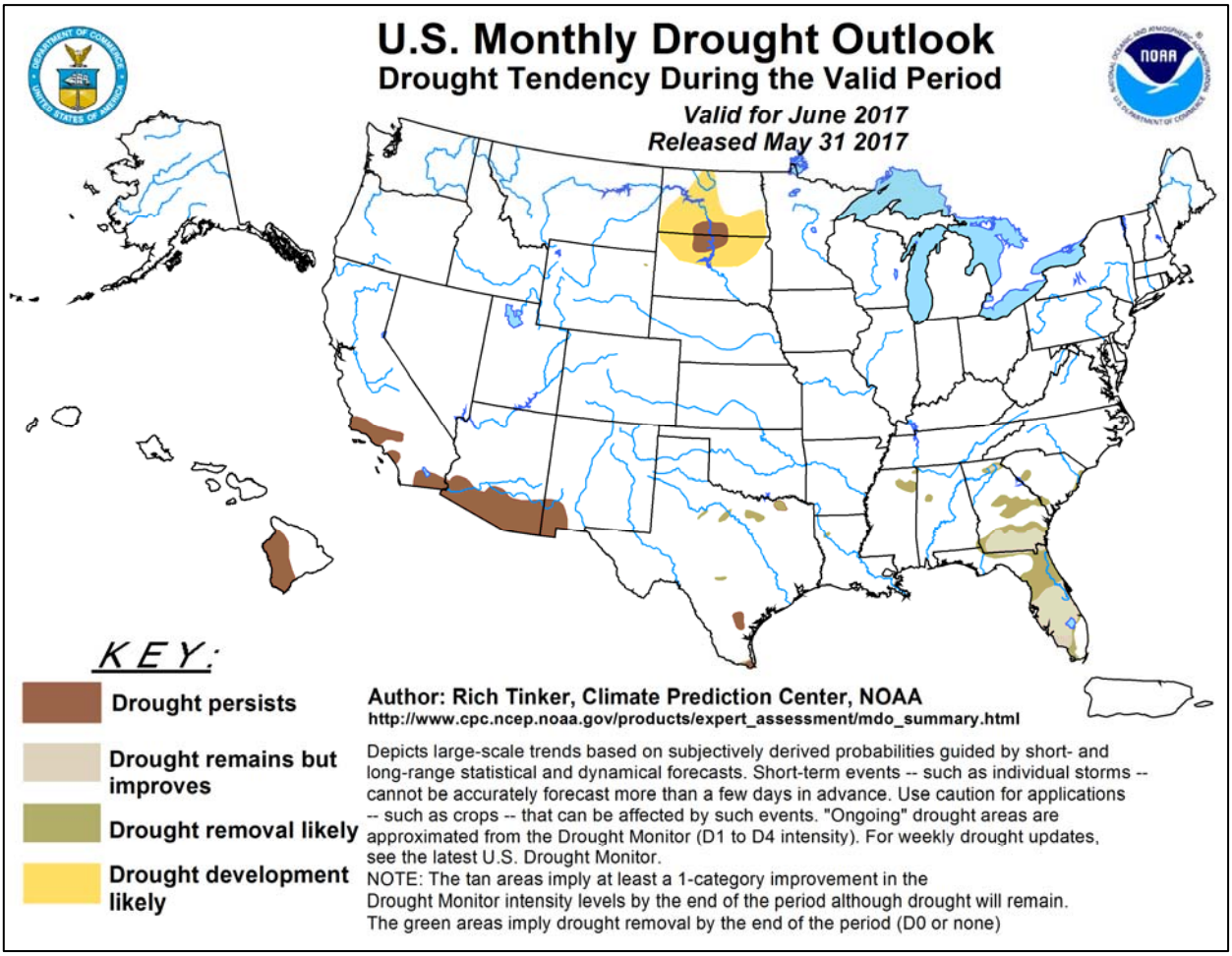


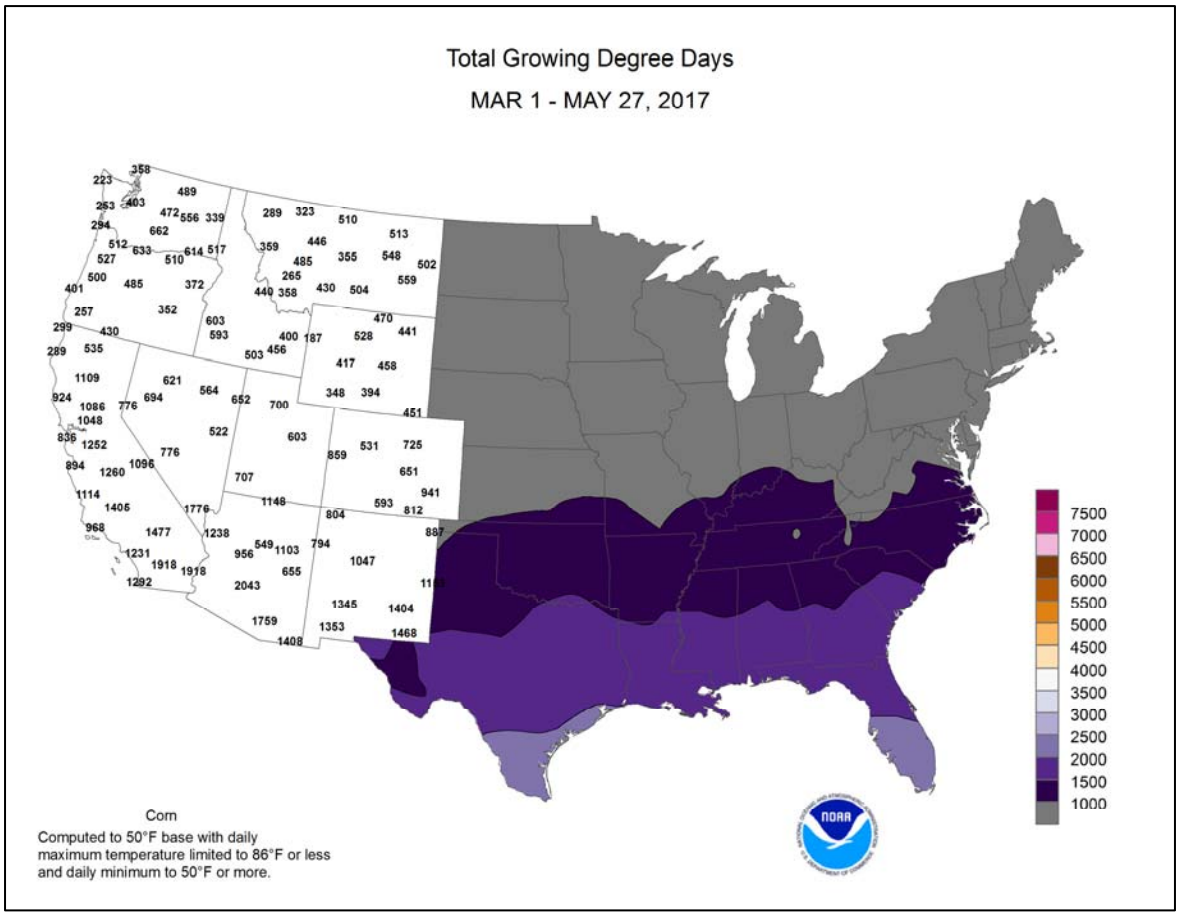
Western warmth peaked during the first half of the week, when **Thermal, CA**, posted consecutive daily-record highs (110 and 109°F, respectively) on May 23-24. Elsewhere in **California**, May 22-23 featured consecutive daily-record highs in locations such as **Redding** (102 and 101°F) and **Modesto** (100 and 101°F). Other triple-digit, daily-record highs in **California** on the 23rd included 102°F in **Hanford** and 100°F in downtown **Sacramento**. In contrast, cool air settled across the **nation's mid-section**. **Laramie, WY**, collected a daily-record low of 26°F on May 22. Two days later, record-setting lows for May 24 dipped to 30°F in **Nebraska** locations such as **Sidney** and **North Platte**. Other daily-record lows on the 24th dipped to 35°F in **Garden City, KS**, and 40°F in **Dalhart, TX**. However, heat quickly returned across the **southern Plains**, where **San Angelo, TX**, followed a daily-record low (46°F) on May 24 with a daily-record high (104°F) on May 26. On May 25, daily-record highs in **Texas** soared to 106°F in **Childress** and 102°F in **Lubbock**.

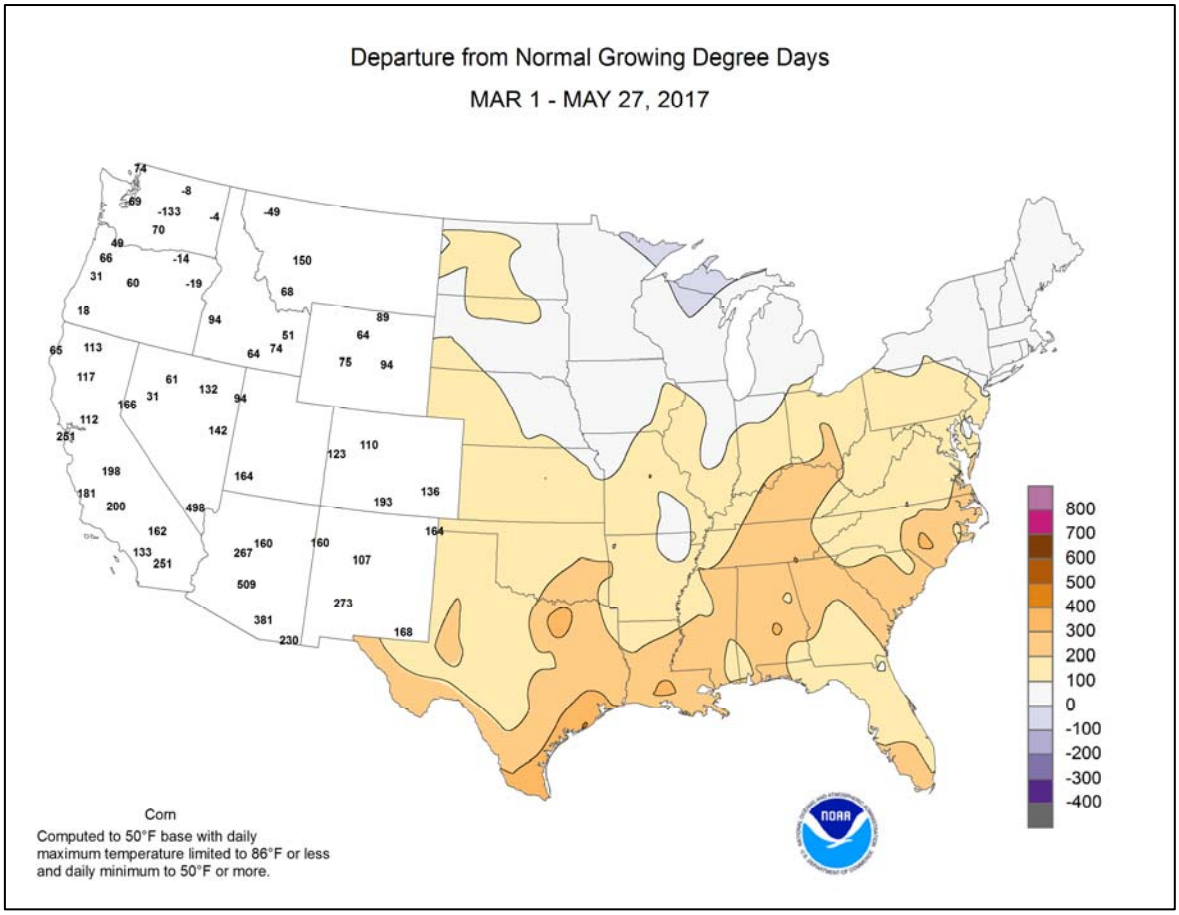
Multiple disturbances led to several rounds of wet weather, especially across the **South** and **East**. On May 21, daily-record rainfall totals climbed to 4.08 inches in **Laredo, TX**; 2.42 inches in **Athens, GA**; and 2.24 inches in **Asheville, NC**. During the first half of the week, daily-record totals topped 2 inches in many other locations, including **Savannah, GA** (6.61 inches on May 22); **Greensboro, NC** (2.26 inches on May 23); **Hattiesburg, MS** (2.18 inches on May 23); and **Gainesville, FL** (2.02 inches on May 24). The barrage of showers continued during the second half of the week, with daily-record amounts reaching 2.39 inches (on May 27) in **Lake Charles, LA**; 2.29 inches (on May 25) in **Philadelphia, PA**; and 1.56 inches (on May 27) in **Springfield, MO**. Farther north, mostly dry but sometimes windy weather prevailed on the **northern Plains**. In **Havre, MT**, May 24 was the second-windiest day on record, with an average wind speed of 28.8 mph. **Havre's** windiest day on record was May 4, 2010, with an average speed of 33.0 mph. Elsewhere in **Montana**, daily average wind speeds on the 24th included 31.2 mph (highest daily value in May since 2002) in **Cut Bank** and 27.5 mph (highest in May since 1989) in **Great Falls**.

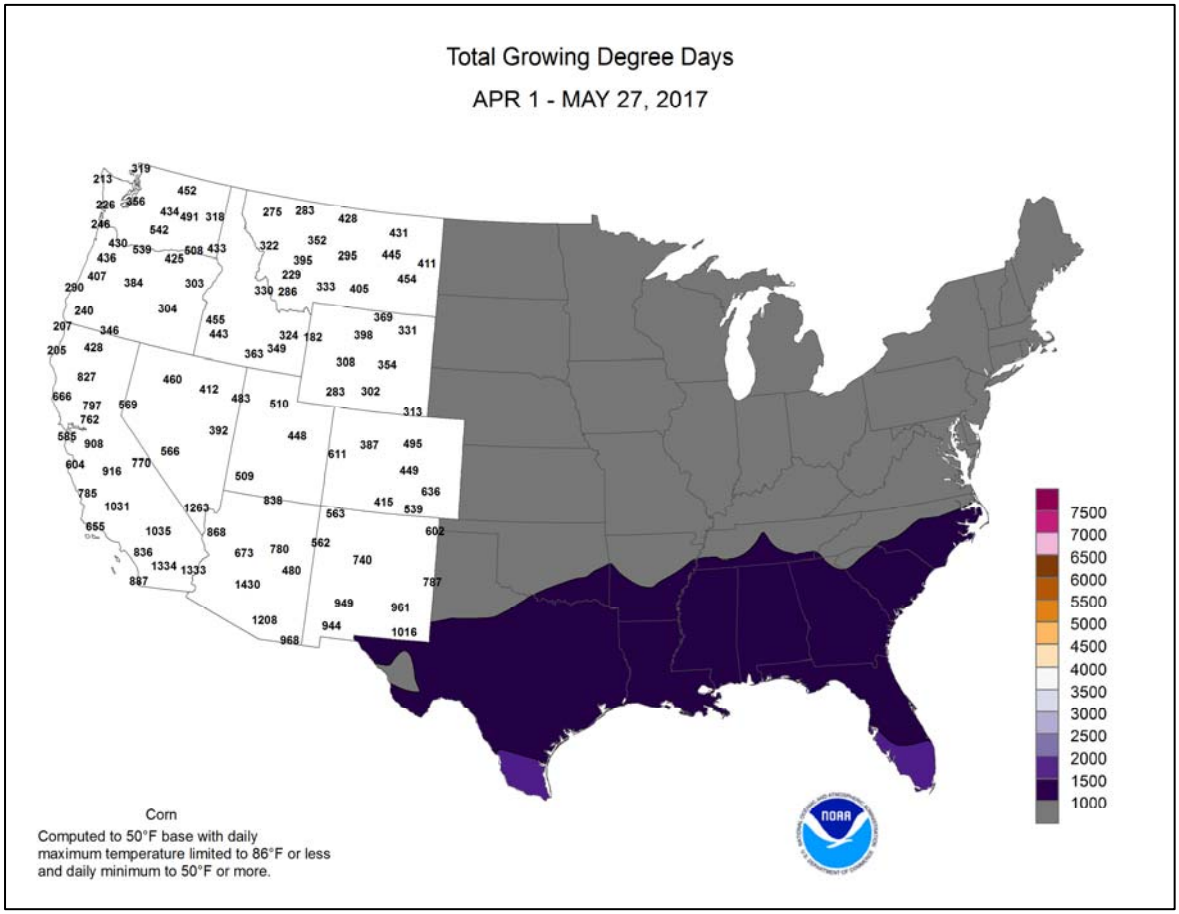
Cooler, wetter weather overspread much of **Alaska**, holding weekly temperatures as much as 5°F below normal. In **southeastern Alaska**, 48-hour rainfall totals from May 20-22 reached 3.90 inches in **Pelican** and 3.43 inches in **Haines**. **Yakutat** netted a daily-record rainfall of 3.25 inches on May 21. Later, a trace of snow was reported in **McGrath** on May 25 and in **Fairbanks** on May 26. **Barrow's** weekly snowfall totaled 6.2 inches, aided by a daily-record sum (4.2 inches) on May 18. **Barrow** also set a May precipitation record (0.94 inch through the 30th), surpassing its 2014 standard of 0.90 inch. Elsewhere, **Kodiak** posted a daily-record low of 32°F on May 26—the first freeze in that location since April 28. Farther south, mid- to late-week showers dotted **Hawaii**, especially across the western islands. On **Kauai**, **Lihue's** daily-record rainfall of 0.66 inch on May 27 boosted its month-to-date total to 1.44 inches (77 percent of normal). **Lihue** also notched a daily record-tying high of 85°F on May 23. Elsewhere on **Kauai**, 24-hour rainfall totals topped 6 inches on May 24-25 at locations such as **Kilohana** and **Mount Waialeale**.

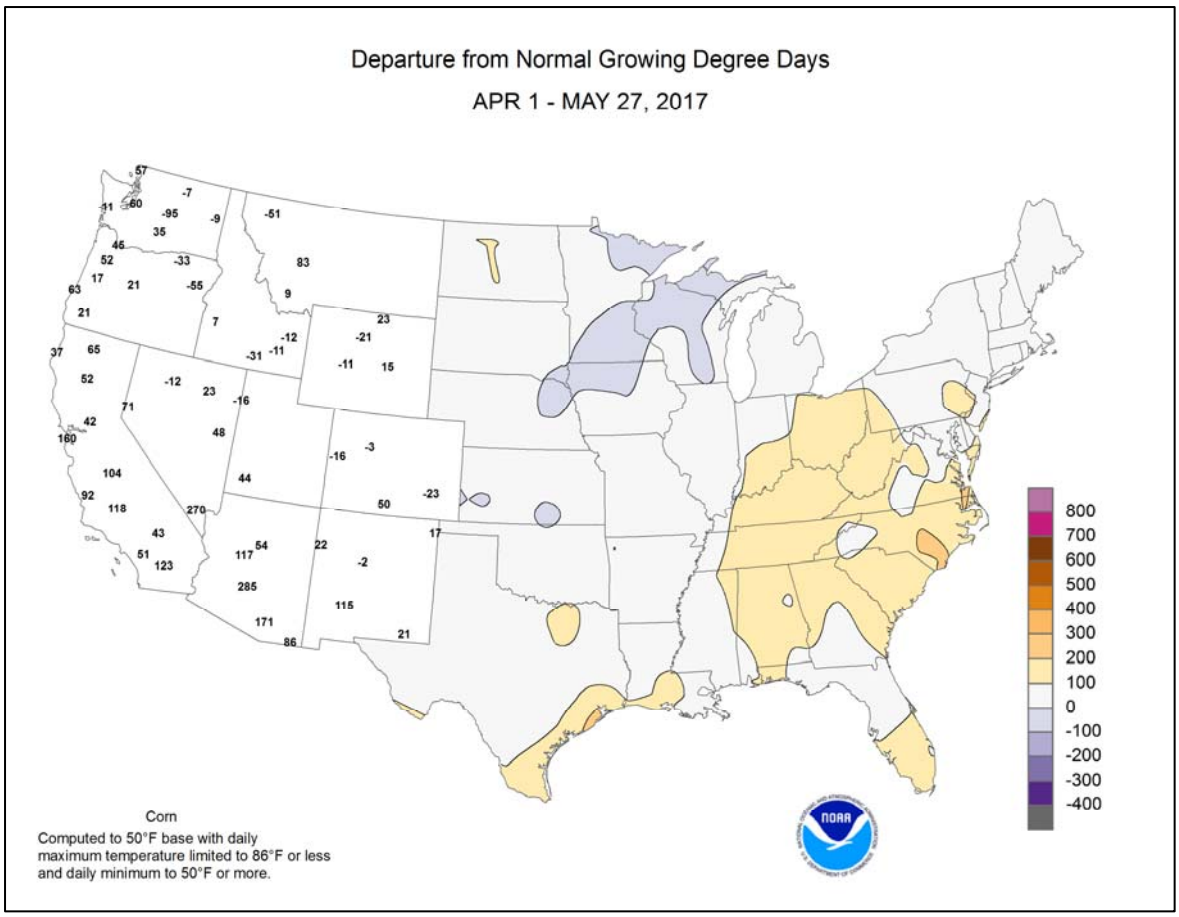

U.S. Drought Monitor
May 23, 2017
(Released Thursday, May. 25, 2017)
Valid 8 a.m. EDT
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
Author:
Brad Rippey
U.S. Department of Agriculture
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
USDA
NDMC
NOAA
http://droughtmonitor.unl.edu/


U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period
Valid for June 2017
Released May 31 2017
NOAA
KEY:
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely
Author: Rich Tinker, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/mdo_summary.html
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor.
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)


Total Growing Degree Days
MAR 1 - MAY 27, 2017
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 27, 2017
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 27, 2017
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 27, 2017
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.

National Weather Data for Selected Cities

Weather Data for the Week Ending May 27, 2017

Data Provided by Climate Prediction Center

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 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	79	63	87	55	71	0	2.54	1.47	1.40	17.77	118	27.43	111	94	57	0	0	3	2
	HUNTSVILLE	79	61	86	54	70	0	1.81	0.61	0.97	12.45	79	21.33	81	98	81	0	0	5	1
	MOBILE	81	64	88	54	73	-2	1.90	0.49	1.71	19.19	110	31.40	111	88	61	0	0	3	1
	MONTGOMERY	83	64	89	57	73	-1	1.90	1.00	1.26	18.83	131	33.53	135	85	51	0	0	4	1
AK	ANCHORAGE	54	42	59	40	48	-1	0.61	0.45	0.31	2.04	122	4.74	153	77	60	0	0	4	0
	BARROW	31	25	36	20	28	4	0.61	0.61	0.46	2.29	954	3.13	666	95	84	0	7	3	0
	FAIRBANKS	59	39	65	34	49	-2	0.34	0.19	0.25	0.90	105	3.10	174	87	59	0	0	5	0
	JUNEAU	57	46	63	36	52	3	2.15	1.38	1.92	11.42	121	22.00	121	94	72	0	0	4	1
	KODIAK	54	39	62	32	47	2	0.35	-1.07	0.34	14.71	91	20.26	67	79	56	0	1	2	0
	NOME	43	33	53	29	38	-2	0.94	0.77	0.40	1.11	61	2.56	74	100	79	0	3	6	0
AZ	FLAGSTAFF	74	36	79	29	55	3	0.00	-0.13	0.00	2.75	59	9.64	103	58	11	0	1	0	0
	PHOENIX	102	74	108	70	88	7	0.00	-0.03	0.00	0.07	5	2.41	80	20	10	7	0	0	0
	PRESCOTT	84	49	89	44	67	7	0.00	-0.11	0.00	1.19	37	4.65	70	44	8	0	0	0	0
	TUCSON	98	67	103	59	82	6	0.00	-0.02	0.00	0.23	18	1.60	51	21	8	7	0	0	0
AR	FORT SMITH	82	58	92	49	70	-1	0.10	-1.12	0.10	17.26	140	22.07	127	85	41	1	0	1	0
	LITTLE ROCK	79	60	89	50	69	-3	0.03	-1.04	0.02	18.58	125	23.58	108	97	50	0	0	2	0
CA	BAKERSFIELD	92	64	102	57	78	6	0.00	-0.06	0.00	0.56	28	4.78	109	46	32	4	0	0	0
	FRESNO	89	62	101	55	76	6	0.00	-0.08	0.00	4.62	143	12.64	168	67	40	4	0	0	0
	LOS ANGELES	69	59	74	58	64	1	0.00	-0.05	0.00	0.59	18	12.07	130	88	70	0	0	0	0
	REDDING	92	60	102	55	76	8	0.00	-0.37	0.00	8.45	94	27.48	131	71	35	5	0	0	0
	SACRAMENTO	82	55	99	48	69	2	0.00	-0.11	0.00	5.31	125	23.48	202	84	38	3	0	0	0
	SAN DIEGO	72	62	78	61	67	2	0.00	-0.03	0.00	1.01	32	7.73	104	81	64	0	0	0	0
	SAN FRANCISCO	69	53	77	51	61	2	0.00	-0.06	0.00	5.16	109	21.92	166	82	65	0	0	0	0
	STOCKTON	90	55	101	51	73	5	0.00	-0.09	0.00	4.04	111	15.52	176	77	47	4	0	0	0
CO	ALAMOSA	71	35	76	29	53	1	0.01	-0.13	0.01	2.60	170	4.25	214	71	24	0	1	1	0
	CO SPRINGS	70	43	82	39	57	0	0.80	0.24	0.44	5.71	123	6.10	116	78	26	0	0	3	0
	DENVER INTL	70	42	84	35	56	-1	0.80	0.16	0.23	5.40	127	6.17	131	85	36	0	0	5	0
	GRAND JUNCTION	79	49	88	43	64	2	0.00	-0.20	0.00	1.28	48	2.83	75	59	23	0	0	0	0
	PUEBLO	77	46	89	39	61	-1	0.34	0.01	0.23	8.14	235	9.06	224	81	37	0	0	3	0
CT	BRIDGEPORT	67	55	78	50	61	0	2.19	1.29	0.88	14.07	121	19.26	105	85	64	0	0	4	3
	HARTFORD	67	50	75	42	58	-4	1.11	0.12	0.66	11.87	103	17.85	98	90	60	0	0	3	1
DC	WASHINGTON	72	59	78	58	65	-2	1.46	0.58	0.70	11.14	116	14.57	94	91	64	0	0	5	1
DE	WILMINGTON	71	55	77	50	63	-1	2.28	1.34	1.87	13.00	119	17.02	99	96	61	0	0	4	1
FL	DAYTONA BEACH	88	65	91	57	77	1	0.60	-0.25	0.54	4.19	48	8.20	56	98	46	2	0	2	1
	JACKSONVILLE	87	65	93	55	76	1	5.73	4.89	3.63	8.73	89	14.13	85	97	51	3	0	4	4
	KEY WEST	87	80	90	76	84	3	0.53	-0.36	0.49	6.00	91	9.05	88	84	72	2	0	2	0
	MIAMI	91	77	95	73	84	4	0.66	-0.78	0.43	8.77	87	13.49	96	82	56	4	0	5	0
	ORLANDO	90	65	93	57	78	0	1.76	0.77	1.26	2.25	26	5.18	38	97	53	3	0	3	1
	PENSACOLA	82	71	86	64	77	1	0.20	-0.88	0.12	8.32	60	23.67	99	80	55	0	0	2	0
	TALLAHASSEE	84	63	92	54	74	-2	2.39	1.13	1.52	10.30	74	20.23	84	95	61	1	0	3	2
	TAMPA	88	73	91	66	81	2	0.16	-0.58	0.16	3.05	45	5.97	51	81	52	1	0	1	0
	WEST PALM BEACH	89	72	93	68	81	2	0.33	-1.04	0.17	7.02	61	10.56	59	84	59	3	0	3	0
GA	ATHENS	80	61	87	53	70	-1	3.97	3.06	2.42	16.64	144	24.34	118	95	74	0	0	4	2
	ATLANTA	79	62	84	56	71	0	2.11	1.23	0.94	12.16	98	22.21	100	91	65	0	0	4	2
	AUGUSTA	85	64	93	55	75	3	2.58	1.82	1.13	7.71	77	19.94	107	91	61	3	0	3	3
	COLUMBUS	82	64	87	55	73	-1	2.06	1.26	1.80	11.30	89	25.56	116	92	50	0	0	3	1
	MACON	82	62	89	52	72	-1	2.85	2.17	1.50	10.53	100	23.73	118	93	57	0	0	4	2
	SAVANNAH	86	67	96	58	76	2	8.73	7.84	6.68	14.79	151	23.62	142	84	59	1	0	4	2
HI	HILO	82	66	83	63	74	0	0.89	-0.74	0.35	16.05	47	34.56	65	88	69	0	0	7	0
	HONOLULU	85	70	87	66	77	-1	0.29	0.14	0.13	6.19	169	13.51	154	78	64	0	0	3	0
	KAHULUI	85	67	86	62	76	0	0.06	-0.03	0.04	12.15	257	14.63	135	80	68	0	0	2	0
	LIHUE	84	72	85	67	78	2	0.22	-0.39	0.08	7.31	80	13.79	81	77	67	0	0	5	0
ID	BOISE	76	50	87	44	63	3	0.00	-0.27	0.00	5.54	147	9.72	154	65	37	0	0	0	0
	LEWISTON	80	51	89	48	65	5	0.00	-0.34	0.00	6.96	187	9.74	167	72	44	0	0	0	0
	POCATELLO	69	42	78	35	55	0	0.25	-0.08	0.20	4.00	104	9.95	166	84	49	0	0	2	0
IL	CHICAGO/O'HARE	69	52	78	48	60	-1	1.09	0.34	0.53	13.73	149	18.12	144	85	60	0	0	5	1
	MOLINE	70	51	78	45	61	-3	0.43	-0.55	0.42	11.94	116	14.35	107	85	76	0	0	2	0
	PEORIA	71	52	78	46	62	-2	1.63	0.70	0.86	15.83	159	18.49	141	97	63	0	0	3	2
	ROCKFORD	68	50	80	45	59	-3	0.83	-0.09	0.44	14.32	153	18.35	152	91	74	0	0	3	0
	SPRINGFIELD	74	54	83	49	64	-2	0.33	-0.61	0.12	15.24	153	16.91	126	97	59	0	0	4	0
IN	EVANSVILLE	78	58	88	51	68	0	0.87	-0.24	0.86	16.95	129	20.22	106	83	55	0	0	2	1
	FORT WAYNE	71	54	75	49	63	0	2.96	2.11	1.59	17.15	180	23.62	174	89	59	0	0	5	2
	INDIANAPOLIS	72	54	79	46	63	-2	1.46	0.47	0.63	18.07	168	23.52	150	90	59	0	0	4	1
	SOUTH BEND	69	51	74	47	60	-2	0.96	0.18	0.64	11.18	118	18.17	133	95	74	0	0	5	1
IA	BURLINGTON	69	50	76	46	60	-5	0.60	-0.40	0.30	12.29	119	14.15	108	98	61	0	0	4	0
	CEDAR RAPIDS	66	47	73	42	56	-7	0.70	-0.19	0.59	10.19	118	12.36	115	99	68	0	0	2	1
	DES MOINES	70	51	83	46	61	-3	0.44	-0.54	0.19	11.17	119	13.68	118	89	66	0	0	4	0
	DUBUQUE	66	48	75	40	57	-4	0.65	-0.29	0.38	9.88	104	13.69	112	93	80	0	0	4	0
	SIOUX CITY	70	47	79	41	59	-4	0.21	-0.66	0.21	7.88	100	10.47	115	91	65	0	0	1	0
	WATERLOO	67	45	74	38	56	-7	0.28	-0.70	0.12	9.09	104	13.02	122	94	69	0	0	4	0
KS	CONCORDIA	72	50	81	38	61	-4	1.08	0.07	0.51	16.20	195	18.05	186	92	70	0	0	4	1
	DODGE CITY	74	47	86	39	61	-5	0.17	-0.53	0.10	16.11	245	18.68	238	89	47	0	0	3	0
	GOODLAND	72	43	85	33	58	-3	1.62	0.77	0.90	10.22	184	11.15	174	91	56	0	0	5	1
	TOPEKA	75	52	86	45	63	-3	0.73	-0.44	0.48	13.73	141	15.12	128	97	59	0	0	4	0

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

Weather Data for the Week Ending May 27, 2017

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	76	53	87	44	65	-2	0.07	-0.95	0.07	15.08	174	18.70	178	88	52	0	0	1	0
KY	JACKSON	71	58	82	53	65	-1	2.91	1.71	1.43	15.69	125	23.26	118	97	68	0	0	5	2
	LEXINGTON	74	57	82	52	66	0	1.93	0.83	0.59	11.28	93	19.38	104	86	69	0	0	5	2
	LOUISVILLE	77	59	87	55	68	0	1.80	0.70	1.01	12.87	102	19.14	100	86	58	0	0	3	2
	PADUCAH	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0
LA	BATON ROUGE	83	65	90	54	74	-1	2.48	1.32	1.53	17.84	117	29.27	110	95	56	1	0	3	2
	LAKE CHARLES	83	68	87	59	76	0	3.81	2.34	2.39	16.44	135	23.39	111	92	65	0	0	3	2
	NEW ORLEANS	83	68	89	57	75	-2	0.87	-0.19	0.46	15.65	111	23.29	92	92	62	0	0	2	0
	SHREVEPORT	79	62	90	51	71	-4	1.73	0.54	1.02	9.99	76	14.13	65	95	64	1	0	3	2
ME	CARIBOU	65	43	71	39	54	0	0.33	-0.42	0.32	10.65	134	16.27	125	85	44	0	0	2	0
	PORTLAND	62	47	68	39	54	-2	3.30	2.48	1.74	15.35	131	23.55	124	93	61	0	0	3	3
MD	BALTIMORE	70	56	75	55	63	-2	1.68	0.77	1.00	12.31	120	16.46	98	98	73	0	0	5	1
MA	BOSTON	61	51	68	48	56	-4	1.46	0.74	0.80	13.41	131	20.88	120	93	66	0	0	3	2
	WORCESTER	61	48	67	46	55	-3	2.10	1.11	1.26	14.06	119	20.41	107	87	58	0	0	3	2
MI	ALPENA	66	46	73	38	56	2	0.77	0.19	0.38	9.65	145	15.50	159	97	67	0	0	4	0
	GRAND RAPIDS	70	53	77	50	62	2	0.48	-0.25	0.20	10.95	122	16.52	132	95	59	0	0	5	0
	HOUGHTON LAKE	67	48	75	41	58	2	1.08	0.48	0.77	10.27	159	15.75	169	94	70	0	0	5	1
	LANSING	71	54	77	49	62	3	0.78	0.17	0.56	11.13	145	17.41	163	81	60	0	0	3	1
	MUSKEGON	69	51	74	47	60	2	0.49	-0.17	0.35	8.74	112	14.44	124	89	65	0	0	5	0
	TRAVERSE CITY	68	49	76	43	58	1	0.30	-0.21	0.16	6.73	102	12.89	113	92	53	0	0	3	0
MN	DULUTH	61	44	75	39	53	-1	0.34	-0.38	0.31	7.97	130	10.93	135	91	71	0	0	3	0
	INT'L FALLS	64	39	76	30	52	-3	0.26	-0.39	0.11	3.07	72	5.82	101	90	51	0	1	4	0
	MINNEAPOLIS	67	50	80	45	58	-3	0.07	-0.73	0.04	9.90	147	11.52	134	79	58	0	0	4	0
	ROCHESTER	63	47	73	41	55	-4	0.70	-0.10	0.50	12.02	153	15.79	165	94	77	0	0	3	1
	ST. CLOUD	64	45	76	39	55	-4	0.35	-0.40	0.34	8.68	147	10.20	141	97	54	0	0	2	0
MS	JACKSON	81	61	90	51	71	-2	2.78	1.78	1.20	19.29	120	29.50	112	95	58	1	0	4	2
	MERIDIAN	83	62	90	52	72	-1	1.12	0.10	0.58	18.83	111	28.40	101	93	62	1	0	3	2
	TUPELO	80	60	88	51	70	-1	1.44	0.09	0.99	12.22	75	20.69	80	88	59	0	0	4	1
MO	COLUMBIA	74	53	83	49	63	-3	1.65	0.57	1.49	18.68	161	20.20	130	94	52	0	0	4	1
	KANSAS CITY	72	51	84	44	62	-4	0.68	-0.55	0.39	14.82	142	16.27	126	93	56	0	0	4	0
	SAINT LOUIS	78	59	87	53	68	0	0.59	-0.32	0.41	20.21	186	22.50	147	75	53	0	0	2	0
	SPRINGFIELD	74	54	85	45	64	-3	1.68	0.64	1.56	24.14	202	28.60	175	91	63	0	0	3	1
MT	BILLINGS	71	45	82	40	58	0	0.00	-0.56	0.00	7.14	144	8.90	140	66	28	0	0	0	0
	BUTTE	65	36	78	30	50	1	0.00	-0.49	0.00	4.24	123	5.03	113	79	23	0	2	0	0
	CUT BANK	70	39	80	35	55	4	0.10	-0.46	0.07	3.49	110	4.76	124	82	25	0	0	2	0
	GLASGOW	73	44	84	38	59	2	0.08	-0.35	0.04	1.44	56	2.46	78	73	32	0	0	3	0
	GREAT FALLS	70	42	80	35	56	3	0.40	-0.21	0.39	5.92	132	7.34	129	80	26	0	0	2	0
	HAVRE	74	41	83	37	58	2	0.05	-0.39	0.04	1.18	39	2.56	66	84	45	0	0	2	0
	MISSOULA	74	42	84	37	58	4	0.00	-0.47	0.00	4.29	119	7.59	139	77	42	0	0	0	0
NE	GRAND ISLAND	71	48	78	37	60	-3	0.09	-0.87	0.09	8.93	111	10.25	111	86	52	0	0	1	0
	LINCOLN	73	50	82	42	61	-3	0.59	-0.39	0.42	11.47	132	13.12	131	81	49	0	0	2	0
	NORFOLK	70	47	76	39	58	-4	0.03	-0.90	0.03	9.41	121	11.65	128	81	49	0	0	1	0
	NORTH PLATTE	70	40	75	30	55	-5	0.28	-0.49	0.20	8.30	139	10.29	149	95	45	0	2	4	0
	OMAHA	72	50	81	44	61	-3	0.30	-0.72	0.28	9.39	106	11.49	111	79	57	0	0	2	0
	SCOTTSBLUFF	68	40	83	35	54	-5	0.59	-0.04	0.54	6.31	121	8.53	135	85	44	0	0	4	1
	VALENTINE	69	42	74	30	56	-4	0.43	-0.30	0.25	8.00	138	10.41	158	79	53	0	2	3	0
NV	ELY	75	33	83	27	54	2	0.01	-0.28	0.01	2.95	97	6.20	137	70	25	0	3	1	0
	LAS VEGAS	97	73	102	67	85	8	0.00	-0.04	0.00	0.13	14	1.59	73	18	11	7	0	0	0
	RENO	83	52	92	48	68	10	0.00	-0.14	0.00	2.16	129	11.15	294	48	22	1	0	0	0
	WINNEMUCCA	80	39	88	31	60	3	0.04	-0.19	0.04	2.67	104	5.26	131	76	25	0	1	1	0
NH	CONCORD	66	47	74	36	57	-1	1.81	1.07	1.18	13.89	155	19.12	134	90	55	0	0	4	1
NJ	NEWARK	68	55	76	51	62	-3	1.84	0.86	0.99	15.43	128	22.16	117	89	61	0	0	4	2
NM	ALBUQUERQUE	84	54	89	49	69	2	0.00	-0.14	0.00	1.12	71	2.51	100	33	10	0	0	0	0
NY	ALBANY	68	50	77	42	59	-1	0.93	0.09	0.41	11.55	122	17.53	124	86	53	0	0	4	0
	BINGHAMTON	64	49	70	43	57	-1	1.07	0.29	0.48	15.99	169	22.25	153	89	66	0	0	5	0
	BUFFALO	69	52	79	47	60	1	2.23	1.45	1.74	16.68	190	21.86	152	89	60	0	0	4	1
	ROCHESTER	71	53	78	48	62	3	1.78	1.13	1.59	14.75	193	19.84	165	83	64	0	0	4	1
	SYRACUSE	69	50	76	44	59	0	1.33	0.59	0.40	13.40	144	19.98	142	95	61	0	0	5	0
NC	ASHEVILLE	72	57	81	50	65	1	3.40	2.34	2.23	18.55	158	22.97	117	87	69	0	0	5	2
	CHARLOTTE	79	62	87	56	71	0	3.68	2.83	2.07	13.32	128	20.23	113	86	59	0	0	4	3
	GREENSBORO	75	59	87	55	67	0	4.00	3.13	2.02	15.22	142	20.83	120	98	72	0	0	6	3
	HATTERAS	79	69	84	66	74	5	1.34	0.39	0.48	19.23	168	25.54	120	86	66	0	0	5	0
	RALEIGH	78	63	88	59	70	2	2.17	1.29	0.79	17.28	172	21.71	124	92	67	0	0	5	2
	WILMINGTON	83	66	90	61	74	3	2.60	1.54	1.16	14.24	132	19.78	104	96	58	1	0	4	2
ND	BISMARCK	72	41	78	34	56	-2	0.01	-0.51	0.01	2.74	67	4.54	89	82	36	0	0	1	0
	DICKINSON	68	38	74	28	53	-3	0.02	-0.52	0.02	2.92	69	3.70	73	85	27	0	1	1	0
	FARGO	66	44	79	36	55	-5	0.08	-0.57	0.06	2.91	64	4.68	79	90	49	0	0	2	0
	GRAND FORKS	67	44	78	37	55	-4	0.34	-0.20	0.24	3.16	82	4.41	86	92	47	0	0	3	0
	JAMESTOWN	65	42	75	33	54	-5	0.18	-0.35	0.15	2.80	70	3.91	76	91	45	0	0	3	0
	WILLISTON	73	44	80	34	58	1	0.28	-0.17	0.22	2.33	71	3.47	82	74	36	0	0	3	0
OH	AKRON-CANTON	69	56	77	50	63	2	3.33	2.45	1.98	17.17	172	25.67	174	84	74	0	0	6	2
	CINCINNATI	73	55	84	47	64	-2	1.81	0.75	0.93	15.92	136	23.14	133	90	71	0	0	3	2
	CLEVELAND	71	58	77	52	65	4	1.82	1.04	1.05	13.01	140	21.87	156	84	58	0	0	4	1
	COLUMBUS	73	58	81	51	66	1	1.20	0.32	0.51	14.02	148	20.48	144	92	66	0	0	4	1
	DAYTON	74	55	81	47	64	1	2.78	1.84	1.44	16.79	154	22.13	140	91	57	0	0	4	2
	MANSFIELD	70	56	75	49	63	3	1.01	0.01	0.39	12.90	114	20.76	129	95	63	0	0	5	0

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

Weather Data for the Week Ending May 27, 2017

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	71	54	76	50	63	1	0.81	0.10	0.42	11.76	139	17.53	143	93	66	0	0	5	0
	YOUNGSTOWN	69	52	75	45	61	2	1.49	0.72	0.80	12.58	134	20.46	149	89	65	0	0	6	1
OK	OKLAHOMA CITY	80	56	95	48	68	-2	0.07	-1.24	0.07	9.88	95	14.57	110	87	43	1	0	1	0
	TULSA	80	57	93	48	69	-2	1.24	-0.19	1.24	19.35	152	23.94	147	89	53	2	0	1	1
OR	ASTORIA	67	48	84	43	58	5	0.01	-0.68	0.01	29.17	192	47.05	144	89	74	0	0	1	0
	BURNS	72	36	85	32	54	2	0.00	-0.23	0.00	3.23	110	8.23	157	81	41	0	1	0	0
	EUGENE	79	46	86	41	62	6	0.00	-0.56	0.00	10.70	91	24.08	93	98	62	0	0	0	0
	MEDFORD	88	52	97	45	70	11	0.00	-0.25	0.00	3.57	85	12.58	143	74	24	4	0	0	0
	PENDLETON	77	47	87	42	62	3	0.00	-0.26	0.00	5.21	152	9.13	150	81	44	0	0	0	0
	PORTLAND	82	53	91	49	67	9	0.00	-0.52	0.00	13.68	162	28.17	159	79	51	1	0	0	0
	SALEM	82	49	91	44	66	9	0.00	-0.44	0.00	13.73	156	32.54	165	84	51	1	0	0	0
PA	ALLENTOWN	70	53	75	46	61	-1	0.88	-0.14	0.66	12.11	112	17.20	101	85	64	0	0	4	1
	ERIE	68	54	74	51	61	1	1.37	0.60	0.78	13.05	141	20.47	146	84	70	0	0	5	1
	MIDDLETOWN	69	55	74	52	62	-2	0.59	-0.37	0.45	11.53	114	15.91	100	96	61	0	0	3	0
	PHILADELPHIA	71	56	76	50	63	-2	2.83	1.97	2.30	13.53	127	17.74	105	86	59	0	0	3	2
	PITTSBURGH	70	54	76	47	62	0	1.84	0.95	0.59	13.07	140	19.37	134	97	61	0	0	6	2
	WILKES-BARRE	69	54	74	49	62	1	0.34	-0.49	0.22	11.83	130	18.06	132	88	51	0	0	2	0
	WILLIAMSPORT	70	53	76	50	62	1	0.87	0.01	0.83	12.11	123	17.41	113	87	59	0	0	3	1
RI	PROVIDENCE	65	51	74	45	58	-3	1.56	0.76	0.85	17.50	149	24.68	126	91	73	0	0	3	1
SC	BEAUFORT	85	68	92	61	76	2	3.58	2.78	1.57	10.90	122	16.81	104	95	58	1	0	4	3
	CHARLESTON	84	66	91	60	75	1	1.80	0.86	1.17	10.98	115	15.16	91	89	55	1	0	3	1
	COLUMBIA	83	65	92	56	74	1	5.22	4.43	2.68	14.76	147	23.40	126	85	67	1	0	5	4
	GREENVILLE	77	60	86	52	69	0	3.01	1.94	2.06	19.05	150	24.77	116	92	66	0	0	4	2
SD	ABERDEEN	69	42	79	33	55	-5	0.12	-0.54	0.06	2.67	50	3.85	62	81	46	0	0	4	0
	HURON	67	43	75	33	55	-5	0.25	-0.45	0.15	4.32	67	5.73	77	93	55	0	0	3	0
	RAPID CITY	69	40	78	34	55	-2	0.10	-0.60	0.05	3.79	71	4.90	80	82	33	0	0	3	0
	SIOUX FALLS	66	45	74	36	56	-4	0.14	-0.65	0.08	7.01	96	8.86	107	90	64	0	0	3	0
TN	BRISTOL	72	57	81	51	65	0	4.04	3.05	1.16	18.22	168	23.31	131	98	66	0	0	5	4
	CHATTANOOGA	80	61	86	52	71	2	1.09	0.13	0.45	18.88	134	27.30	112	89	60	0	0	4	0
	KNOXVILLE	75	59	80	52	67	-1	2.33	1.27	0.93	17.68	134	24.22	111	91	63	0	0	5	2
	MEMPHIS	79	61	89	52	70	-2	0.86	-0.22	0.46	11.98	75	17.64	72	89	48	0	0	3	0
	NASHVILLE	79	60	88	54	70	1	0.76	-0.41	0.43	15.00	114	19.90	96	88	52	0	0	3	0
TX	ABILENE	84	61	99	48	72	-2	0.24	-0.46	0.15	3.29	62	6.67	90	83	52	3	0	2	0
	AMARILLO	81	49	95	41	65	-2	0.01	-0.63	0.01	4.46	102	8.14	146	80	29	1	0	1	0
	AUSTIN	88	65	98	54	76	0	1.00	-0.21	0.58	6.40	72	13.71	108	85	58	3	0	4	1
	BEAUMONT	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0
	BROWNSVILLE	93	76	98	67	85	5	0.42	-0.15	0.42	2.92	59	4.46	60	86	56	6	0	1	0
	CORPUS CHRISTI	88	70	90	58	79	0	0.59	-0.26	0.51	7.79	118	10.63	106	95	67	2	0	3	1
	DEL RIO	86	64	96	52	75	-4	3.23	2.71	3.20	9.97	216	10.94	178	90	67	3	0	2	1
	EL PASO	93	67	95	58	80	4	0.00	-0.08	0.00	0.14	19	1.34	85	34	11	6	0	0	0
	FORT WORTH	87	66	96	58	76	1	0.32	-0.88	0.20	4.99	47	11.71	78	83	44	3	0	3	0
	GALVESTON	85	73	87	63	79	1	3.65	2.76	2.33	6.56	79	10.83	72	90	64	0	0	3	3
	HOUSTON	88	68	93	58	78	1	0.29	-0.96	0.25	8.16	73	16.67	94	87	56	4	0	3	0
	LUBBOCK	88	54	102	46	71	0	0.11	-0.45	0.11	2.57	66	5.49	108	63	31	3	0	1	0
	MIDLAND	87	61	102	50	74	-1	0.20	-0.21	0.20	3.60	138	5.44	146	78	44	3	0	1	0
	SAN ANGELO	88	60	105	46	74	-1	0.47	-0.27	0.31	3.79	74	6.50	91	79	42	3	0	2	0
	SAN ANTONIO	87	66	97	54	76	-1	0.49	-0.66	0.37	5.77	69	12.10	103	86	50	3	0	2	0
	VICTORIA	89	69	91	55	79	1	2.46	1.23	1.86	10.64	113	19.24	138	89	56	2	0	2	2
	WACO	84	62	92	53	73	-3	1.63	0.62	1.01	12.82	138	18.98	139	90	56	2	0	3	1
	WICHITA FALLS	85	58	99	50	71	-2	0.03	-0.91	0.02	6.35	78	10.31	96	86	48	3	0	2	0
UT	SALT LAKE CITY	75	53	89	46	64	3	0.21	-0.22	0.21	6.97	120	10.63	125	64	28	0	0	1	0
VT	BURLINGTON	68	50	79	41	59	0	1.19	0.45	0.56	10.74	134	15.41	129	90	51	0	0	4	1
VA	LYNCHBURG	73	57	86	54	65	0	2.77	1.84	0.89	14.01	129	18.39	105	92	64	0	0	5	3
	NORFOLK	75	61	86	58	68	0	2.24	1.39	1.38	14.41	135	19.48	109	91	66	0	0	5	1
	RICHMOND	74	58	86	55	66	-1	1.32	0.41	0.51	11.33	107	16.33	95	95	73	0	0	5	1
	ROANOKE	72	58	85	57	65	-1	3.37	2.42	1.59	16.35	147	20.99	121	93	70	0	0	5	2
	WASH/DULLES	70	55	76	53	63	-1	1.77	0.77	0.78	13.78	134	17.21	107	91	66	0	0	5	2
WA	OLYMPIA	78	45	86	39	62	8	0.00	-0.47	0.00	19.86	183	32.86	134	95	52	0	0	0	0
	QUILLAYUTE	69	45	80	38	57	5	0.00	-1.15	0.00	42.17	180	62.22	126	95	67	0	0	0	0
	SEATTLE-TACOMA	77	52	86	46	64	7	0.00	-0.36	0.00	13.68	174	26.74	156	76	53	0	0	0	0
	SPOKANE	75	50	82	45	62	6	0.00	-0.36	0.00	7.02	170	13.26	178	70	28	0	0	0	0
	YAKIMA	84	48	95	42	66	8	0.00	-0.11	0.00	2.79	175	7.36	207	73	34	1	0	0	0
WV	BECKLEY	66	54	76	50	60	-1	2.04	1.06	0.82	13.89	128	20.26	119	91	76	0	0	5	2
	CHARLESTON	72	57	82	52	65	1	1.80	0.81	1.07	12.33	114	20.63	120	93	61	0	0	4	1
	ELKINS	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0
	HUNTINGTON	72	58	83	53	65	0	1.39	0.37	0.49	12.00	110	19.80	115	91	65	0	0	5	0
WI	EAU CLAIRE	67	49	74	43	58	-2	0.15	-0.72	0.07	10.20	131	14.27	148	94	52	0	0	4	0
	GREEN BAY	65	49	75	48	57	-2	0.70	0.07	0.39	9.36	136	12.71	140	98	67	0	0	4	0
	LA CROSSE	68	51	77	44	60	-3	0.56	-0.19	0.25	9.50	115	13.35	128	96	56	0	0	6	0
	MADISON	66	49	76	45	57	-3	0.28	-0.45	0.09	10.53	126	15.23	140	94	72	0	0	5	0
	MILWAUKEE	65	49	72	47	57	-1	0.59	-0.05	0.28	12.17	135	16.18	129	93	66	0	0	4	0
WY	CASPER	63	39	81	36	51	-3	0.59	0.07	0.26	6.12	137	7.67	135	88	60	0	0	4	0
	CHEYENNE	62	38	77	35	50	-3	0.74	0.17	0.36	6.22	133	7.66	137	80	52	0	0	6	0
	LANDER	63	40	78	35	51	-4	0.46	-0.04	0.32	10.10	186	12.58	194	83	33	0	0	3	0
	SHERIDAN	67	38	85	33	52	-2	0.14	-0.41	0.08	10.30	215	12.60	205	83	52	0	0	2	0

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

National Agricultural Summary

May 22 – 28, 2017

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the nation recorded below-average weekly temperatures, except west of the Rocky Mountains. Temperatures averaged at least 4°F below normal across large portions of the Great Plains and Mississippi Valley. Several locations in the Rocky Mountains, northern Great Plains, and New England recorded sub-freezing minimum temperatures. While dry conditions dominated the western half of the nation, some Southeastern and Atlantic Coast States received significant rain. Weekly rainfall totaled more than 400 percent of normal in parts of the Carolinas, Florida, Georgia, and Virginia.

Corn: Planting of the 2017 corn crop was 91 percent complete by week's end, 2 percentage points behind both last year and the 5-year average. Seventy-three percent of this year's corn had emerged by May 28, two percentage points behind both last year and the 5-year average. During the week, emergence advanced more than 25 percentage points in Colorado, Michigan, North Dakota, South Dakota, and Wisconsin. Overall, 65 percent of the corn was reported in good to excellent condition, 7 percentage points below the same time last year.

Soybeans: By week's end, 67 percent of the nation's soybean crop was planted, 4 percentage points behind last year and slightly behind the 5-year average. The planting pace has remained slow in the eastern Corn Belt, with progress 17 percentage points behind the 5-year average in both Indiana and Ohio. Nationally, 37 percent of the soybean crop was emerged by May 28, five percentage points behind last year and 3 points behind the 5-year average. Thirteen of the 18 estimating states were behind the 5-year average for emergence progress.

Winter Wheat: Heading of this year's winter wheat crop advanced to 80 percent complete by week's end, 3 percentage points behind last year but 3 points ahead of the 5-year average. In Nebraska, 86 percent of the acreage was headed by the end of the week, 31 percentage points ahead of the 5-year average. Overall, 50 percent of the winter wheat was reported in good to excellent condition, down 2 percentage points from last week and 13 points lower than at the same time last year.

Cotton: By week's end, 63 percent of the cotton was planted, 6 percentage points ahead of last year but slightly behind the 5-year average. With wet conditions in early spring, California planting progress was 24 percentage points, or over 4 weeks, behind the 5-year average. Nationally, 7 percent of the cotton was squaring, 2 percentage points ahead of last year and 3 points ahead of the 5-year average.

Sorghum: Producers had planted 44 percent of this year's sorghum by week's end, slightly ahead of last year but 5 percentage points behind the 5-year average. Progress in the leading sorghum-producing state of Kansas remained behind schedule, with 11 percent planted by May 28, twelve percentage points behind the 5-year average.

Rice: Planting of the 2017 rice crop was 97 percent complete by week's end, equal to last year but slightly ahead of the 5-year average. Seeding was at least 90 percent complete in all estimating states. Eighty-four percent of the rice crop was emerged by May 28, two percentage points behind both last year and the 5-year average. Overall, 64 percent of the rice was reported in good to excellent condition, down slightly from last week and 2 percentage points lower than at the same time last year.

Small Grains: Ninety-one percent of the oat crop was emerged by May 28, three percentage points behind last year but 2 points ahead of the 5-year average. With activity mostly limited to Iowa, Nebraska, Ohio, and Texas, heading of the oat crop was 29 percent complete by week's end, equal to last year but 3 percentage points behind the 5-year average. In Texas, the oat harvest was 47 percent complete, 18 percentage points ahead of the 5-year average. Overall, 61 percent of the oat crop was reported in good to excellent condition, down 2 percentage points from last week and 12 points lower than last year at this time.

Ninety-four percent of the barley was sown by May 28, three percentage points behind last year but slightly ahead of the 5-year average. Nationwide, 76 percent of the barley had emerged by week's end, 11 percentage points behind last year and slightly behind the 5-year average. Overall, 70 percent of the barley was reported in good to excellent condition, 7 percentage points lower than at the same time last year.

Ninety-six percent of the nation's spring wheat was seeded by week's end, 2 percentage points behind last year but 5 points ahead of the 5-year average. By May 28, seventy-nine percent of the spring wheat had emerged, 8 percentage points behind last year but 5 points ahead of the 5-year average. Progress remained well ahead of normal in Minnesota, where emergence was 22 percentage points ahead of the 5-year average. Overall, 62 percent of the spring wheat was reported in good to excellent condition, 17 percentage points lower than at the same time last year.

Other Crops: By May 28, producers had planted 79 percent of this year's peanut crop, slightly ahead of both last year and the 5-year average. Double-digit planting progress was observed in six of the eight major peanut-producing states.

By week's end, sunflower producers had planted 41 percent of this year's crop, slightly behind last year but 12 percentage points ahead of the 5-year average. North Dakota sunflowers were 58 percent planted by week's end, an increase of 27 percentage points during the week.

Crop Progress and Condition

Week Ending May 28, 2017

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

Corn Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
CO	92	69	89	91
IL	93	89	93	96
IN	83	76	81	90
IA	99	92	97	96
KS	94	70	82	93
KY	86	83	91	90
MI	84	67	82	86
MN	99	94	96	93
MO	99	93	97	93
NE	95	87	95	97
NC	97	96	98	98
ND	95	82	94	86
OH	79	73	82	88
PA	78	59	75	82
SD	91	88	95	94
TN	98	95	97	97
TX	91	87	96	92
WI	96	65	77	86
18 Sts	93	84	91	93

These 18 States planted 92% of last year's corn acreage.

Corn Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
CO	62	35	62	64
IL	86	67	80	86
IN	57	45	60	73
IA	88	59	82	81
KS	73	48	64	74
KY	76	60	74	75
MI	42	16	43	59
MN	90	59	81	74
MO	96	79	89	85
NE	74	52	76	80
NC	92	92	95	95
ND	72	38	66	54
OH	42	41	62	64
PA	49	30	53	56
SD	63	47	74	68
TN	93	83	90	90
TX	76	76	86	82
WI	70	21	47	57
18 Sts	75	54	73	75

These 18 States planted 92% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	1	2	25	54	18
IL	3	12	33	44	8
IN	5	12	40	37	6
IA	1	2	24	61	12
KS	2	8	35	52	3
KY	1	2	12	73	12
MI	0	3	22	60	15
MN	0	3	29	60	8
MO	2	7	38	47	6
NE	0	4	20	68	8
NC	0	2	14	71	13
ND	0	4	30	60	6
OH	2	10	39	43	6
PA	0	1	22	69	8
SD	1	5	27	63	4
TN	0	1	18	57	24
TX	1	5	19	65	10
WI	2	7	30	54	7
18 Sts	1	6	28	57	8
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	1	3	24	60	12

Soybeans Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	84	74	81	69
IL	69	48	62	71
IN	58	47	54	71
IA	86	62	77	77
KS	25	27	41	46
KY	30	34	45	41
LA	89	91	94	86
MI	65	37	56	68
MN	94	72	81	77
MS	88	86	89	81
MO	57	42	54	52
NE	70	52	76	79
NC	44	36	43	43
ND	90	57	83	67
OH	57	43	54	71
SD	72	56	72	70
TN	58	36	53	50
WI	82	29	45	66
18 Sts	71	53	67	68

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

Soybeans Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	72	62	71	58
IL	41	18	38	47
IN	26	16	32	44
IA	50	15	39	43
KS	14	13	24	25
KY	19	13	26	25
LA	83	84	91	77
MI	27	0	20	37
MN	62	16	39	40
MS	76	77	84	69
MO	35	20	34	32
NE	33	13	35	44
NC	27	19	26	27
ND	48	10	26	29
OH	20	17	35	38
SD	37	11	30	34
TN	35	15	29	30
WI	46	3	12	31
18 Sts	42	19	37	40

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

Sorghum Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	93	95	97	94
CO	18	14	18	25
IL	8	23	50	42
KS	13	4	11	23
LA	98	95	97	99
MO	65	30	49	57
NE	51	18	50	58
NM	39	12	23	29
OK	42	38	42	44
SD	62	19	29	41
TX	73	82	87	80
11 Sts	43	37	44	49

These 11 States planted 99% of last year's sorghum acreage.

Crop Progress and Condition

Week Ending May 28, 2017

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

Winter Wheat Percent Headed

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	100	100	100	100
CA	100	100	100	99
CO	64	45	70	61
ID	28	4	7	20
IL	93	94	98	91
IN	89	79	90	80
KS	98	94	97	93
MI	22	2	27	33
MO	96	97	100	94
MT	16	0	0	5
NE	68	61	86	55
NC	98	100	100	98
OH	80	81	94	71
OK	100	98	100	99
OR	75	10	50	62
SD	43	10	32	32
TX	100	98	100	95
WA	73	14	38	50
18 Sts	83	72	80	77

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

Winter Wheat Condition by Percent

	VP	P	F	G	EX
AR	2	6	25	59	8
CA	0	0	0	80	20
CO	4	12	34	38	12
ID	3	4	13	56	24
IL	5	13	31	42	9
IN	1	5	28	52	14
KS	9	16	30	38	7
MI	2	7	20	55	16
MO	2	7	32	52	7
MT	1	4	47	31	17
NE	2	10	41	39	8
NC	2	8	22	60	8
OH	0	3	18	60	19
OK	4	10	41	41	4
OR	0	2	6	64	28
SD	5	15	30	50	0
TX	1	16	52	28	3
WA	1	3	13	66	17
18 Sts	4	11	35	41	9
Prev Wk	4	11	33	44	8
Prev Yr	1	7	29	51	12

Rice Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	99	98	99	95
CA	92	59	92	95
LA	99	100	100	99
MS	98	94	97	92
MO	100	92	94	95
TX	99	86	90	96
6 Sts	97	91	97	96

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

Rice Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AR	96	94	97	90
CA	43	4	28	64
LA	97	98	99	97
MS	93	81	94	84
MO	99	81	83	91
TX	96	84	86	93
6 Sts	86	78	84	86

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

Cotton Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AL	77	75	84	81
AZ	99	90	95	98
AR	98	84	94	94
CA	95	61	72	96
GA	73	60	75	76
KS	9	8	32	36
LA	90	95	98	92
MS	90	72	83	80
MO	95	68	85	92
NC	76	62	74	83
OK	39	37	40	39
SC	70	64	77	77
TN	86	70	90	78
TX	42	42	52	52
VA	62	66	74	86
15 Sts	57	52	63	64

These 15 States planted 98% of last year's cotton acreage.

Cotton Percent Squaring

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AL	0	NA	0	1
AZ	14	16	22	12
AR	0	NA	3	3
CA	0	NA	0	5
GA	1	NA	1	1
KS	0	NA	0	0
LA	2	1	8	2
MS	0	NA	0	1
MO	1	NA	0	0
NC	1	NA	0	1
OK	0	NA	0	0
SC	0	NA	0	0
TN	1	NA	2	0
TX	7	8	11	6
VA	0	NA	0	0
15 Sts	5	NA	7	4

These 15 States planted 98% of last year's cotton acreage.

Rice Condition by Percent

	VP	P	F	G	EX
AR	6	12	32	38	12
CA	0	0	10	80	10
LA	0	5	17	66	12
MS	0	0	30	58	12
MO	1	9	25	49	16
TX	0	1	48	32	19
6 Sts	3	7	26	52	12
Prev Wk	5	6	24	49	16
Prev Yr	3	6	25	54	12

Crop Progress and Condition

Week Ending May 28, 2017

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

Oats Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
IA	99	92	97	97
MN	96	74	87	82
NE	94	96	97	97
ND	82	54	76	65
OH	86	85	92	88
PA	93	87	93	93
SD	97	95	97	89
TX	100	100	100	100
WI	93	61	81	81
9 Sts	94	83	91	89

These 9 States planted 66% of last year's oat acreage.

Oats Percent Headed

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
IA	22	1	10	15
MN	3	0	3	2
NE	20	6	31	20
ND	0	1	2	0
OH	4	1	12	11
PA	12	0	0	5
SD	5	0	3	5
TX	99	100	100	98
WI	1	0	0	1
9 Sts	29	26	29	32

These 9 States planted 66% of last year's oat acreage.

Oat Condition by Percent

	VP	P	F	G	EX
IA	0	1	25	60	14
MN	0	2	22	61	15
NE	0	0	22	67	11
ND	3	9	43	40	5
OH	1	5	37	46	11
PA	0	0	13	86	1
SD	2	8	25	59	6
TX	7	13	41	32	7
WI	0	2	27	56	15
9 Sts	2	6	31	52	9
Prev Wk	1	5	31	55	8
Prev Yr	1	3	23	64	9

Spring Wheat Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
ID	100	78	87	100
MN	100	99	100	92
MT	96	86	93	95
ND	97	88	96	85
SD	100	99	100	98
WA	100	95	100	100
6 Sts	98	90	96	91

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

Spring Wheat Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
ID	92	58	74	94
MN	98	75	97	75
MT	81	52	65	77
ND	84	56	77	65
SD	95	95	99	88
WA	96	80	81	97
6 Sts	87	62	79	74

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

Spring Wheat Condition by Percent

	VP	P	F	G	EX
ID	3	1	20	43	33
MN	0	0	4	68	28
MT	0	2	46	52	0
ND	1	5	32	54	8
SD	2	21	38	36	3
WA	0	1	26	65	8
6 Sts	1	5	32	53	9
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	0	2	19	70	9

Barley Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
ID	100	85	92	100
MN	100	96	98	90
MT	94	89	94	97
ND	97	89	96	83
WA	100	88	92	100
5 Sts	97	88	94	93

These 5 States planted 83% of last year's barley acreage.

Barley Percent Emerged

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
ID	87	67	82	91
MN	96	68	88	74
MT	88	54	67	82
ND	84	57	80	60
WA	89	73	75	92
5 Sts	87	59	76	77

These 5 States planted 83% of last year's barley acreage.

Barley Condition by Percent

	VP	P	F	G	EX
ID	0	1	29	43	27
MN	0	1	6	64	29
MT	0	1	31	55	13
ND	1	6	26	59	8
WA	0	2	20	69	9
5 Sts	0	3	27	55	15
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	0	1	22	60	17

Crop Progress and Condition

Week Ending May 28, 2017

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

Peanuts Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
AL	69	58	73	70
FL	85	67	84	80
GA	83	72	83	81
NC	68	52	65	80
OK	71	72	75	77
SC	73	70	86	81
TX	74	60	72	71
VA	51	65	71	77
8 Sts	78	67	79	78

These 8 States planted 96% of last year's peanut acreage.

Sunflowers Percent Planted

	Prev Year	Prev Week	May 28 2017	5-Yr Avg
CO	14	4	5	14
KS	3	2	4	11
ND	64	31	58	42
SD	28	12	30	19
4 Sts	42	20	41	29

These 4 States planted 87% of last year's sunflower acreage.

Pasture and Range Condition by Percent
Week Ending May 28, 2017

	VP	P	F	G	EX			VP	P	F	G	EX
AL	1	14	32	51	2		NH	0	2	15	51	32
AZ	7	21	26	33	13		NJ	0	0	12	88	0
AR	1	6	27	48	18		NM	8	21	40	22	9
CA	5	10	10	40	35		NY	1	1	17	62	19
CO	0	2	22	65	11		NC	1	2	22	69	6
CT	0	0	0	100	0		ND	6	15	38	36	5
DE	2	3	34	57	4		OH	0	3	17	70	10
FL	12	38	38	11	1		OK	1	5	29	53	12
GA	4	15	34	41	6		OR	0	0	51	43	6
ID	0	1	18	50	31		PA	0	5	21	46	28
IL	0	1	14	58	27		RI	0	0	25	45	30
IN	1	5	19	60	15		SC	0	0	17	76	7
IA	0	2	16	62	20		SD	9	17	27	42	5
KS	0	2	15	67	16		TN	0	7	26	55	12
KY	1	2	18	64	15		TX	3	10	40	38	9
LA	3	6	30	50	11		UT	0	1	14	65	20
ME	0	0	0	90	10		VT	4	1	16	70	9
MD	1	2	9	70	18		VA	2	7	27	56	8
MA	0	0	10	80	10		WA	0	2	8	73	17
MI	1	4	21	57	17		WV	1	5	17	67	10
MN	0	4	24	58	14		WI	0	2	19	55	24
MS	1	4	28	57	10		WY	0	8	20	59	13
MO	0	1	24	66	9		48 Sts	2	8	27	50	13
MT	6	11	34	33	16							
NE	0	1	20	66	13		Prev Wk	2	8	28	50	12
NV	0	0	5	15	80		Prev Yr	2	6	26	53	13

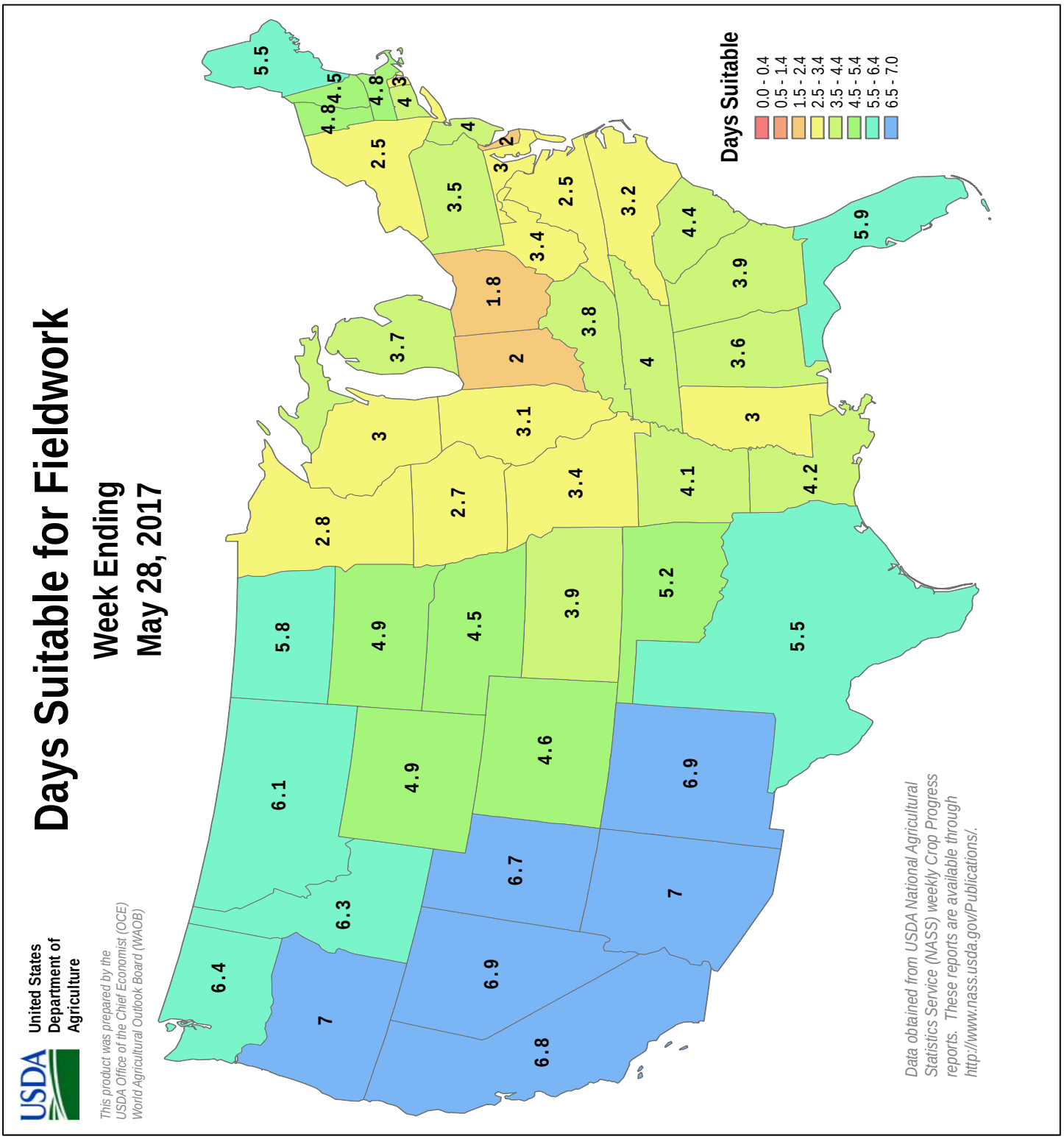
VP - Very Poor; P - Poor; F - Fair; G - Good; EX - Excellent

NA - Not Available; *Revised

Crop Progress and Condition

Week Ending May 28, 2017

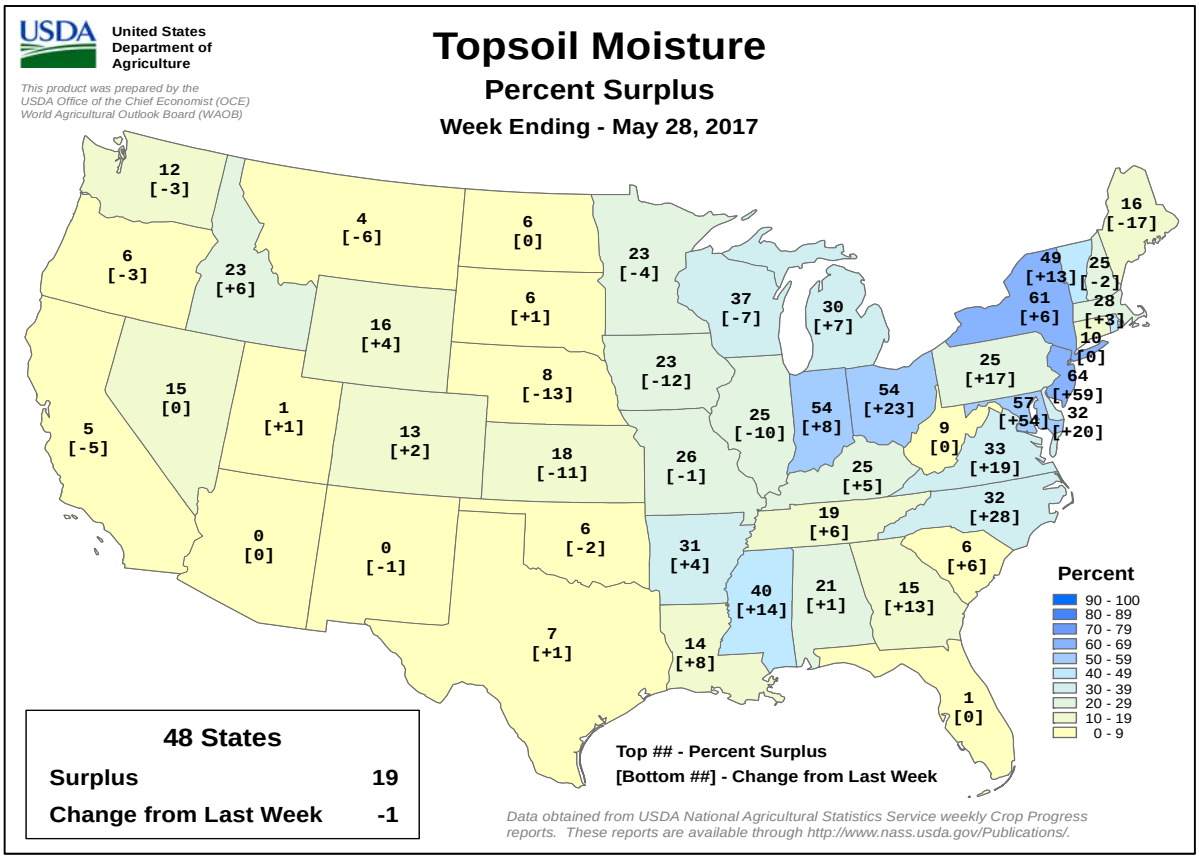
Weekly U.S. Progress and Condition Data provided by USDA/NASS

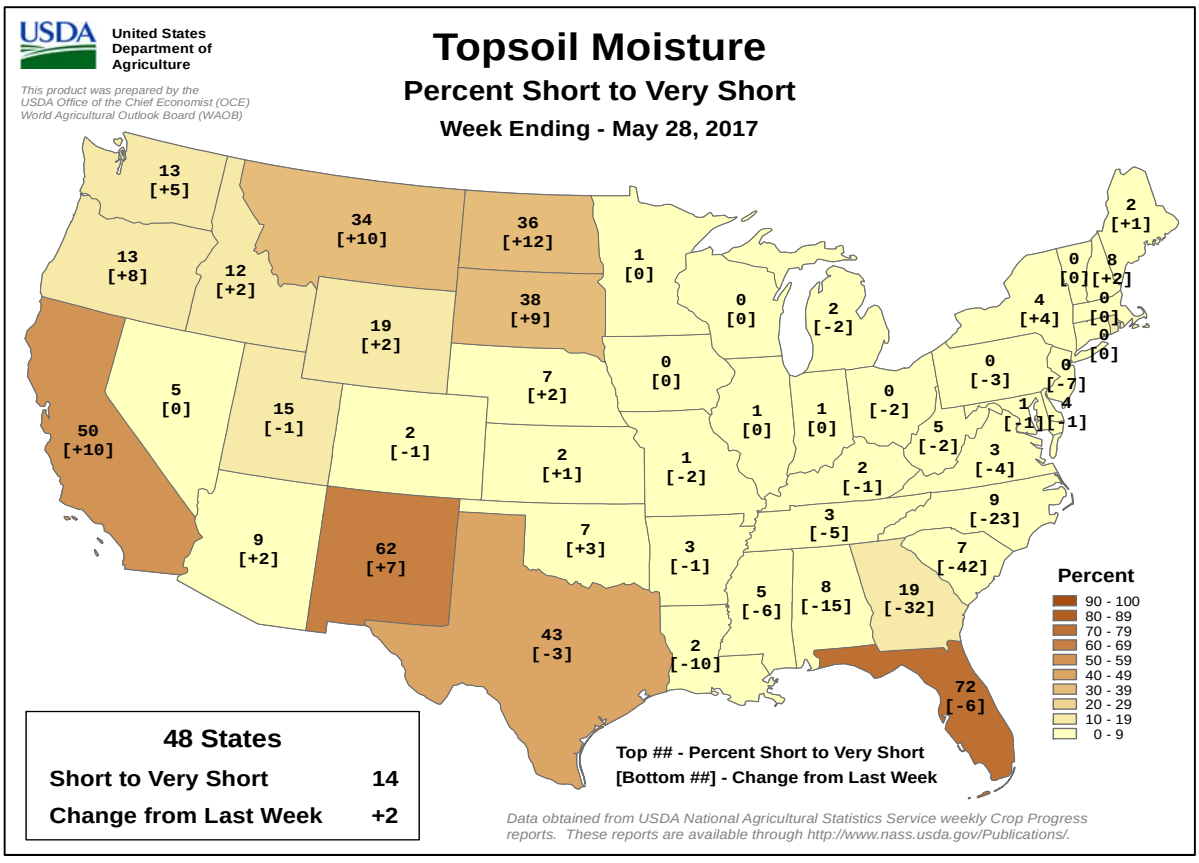


Crop Progress and Condition

Week Ending May 28, 2017

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

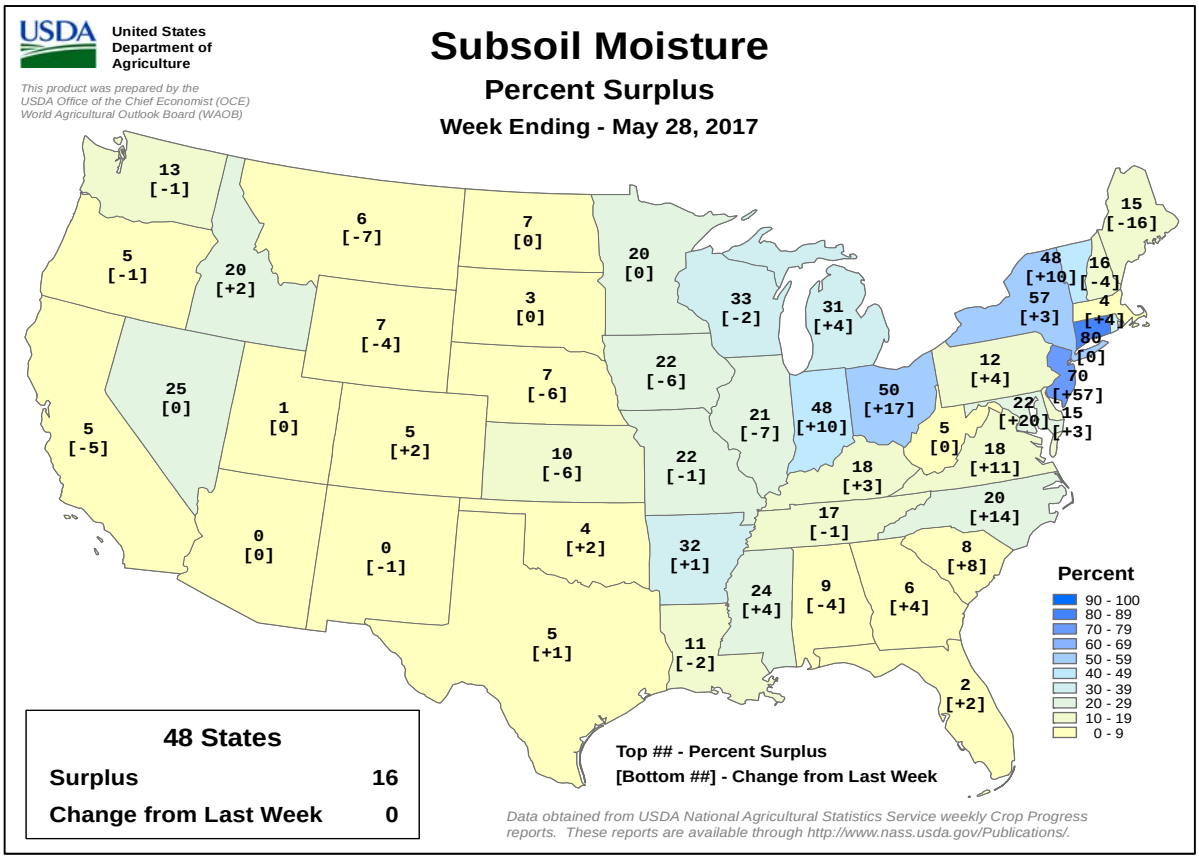


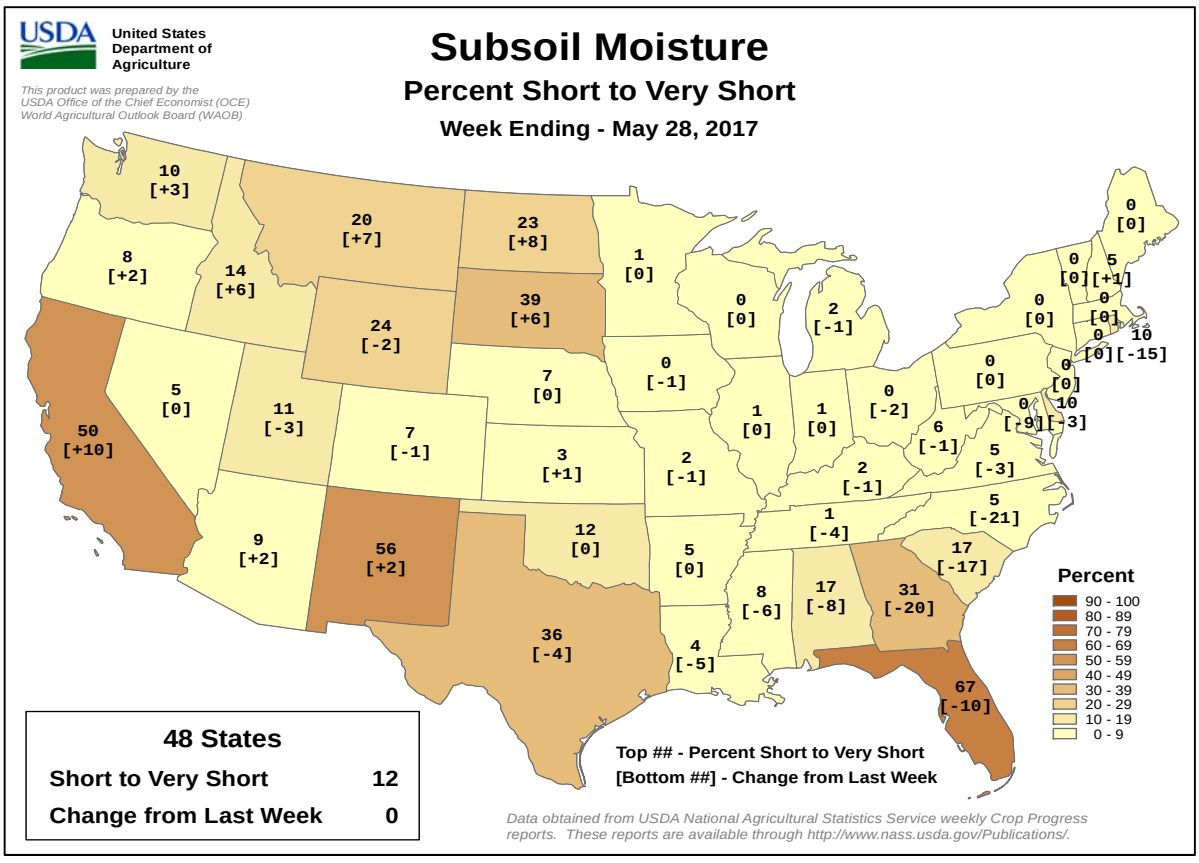


Crop Progress and Condition

Week Ending May 28, 2017

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





International Weather and Crop Summary

May 21-27, 2017

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

HIGHLIGHTS

EUROPE: Drier, warmer weather accelerated winter crop development over much of central and northern Europe.

WESTERN FSU: Showers sustained good to excellent winter wheat yield prospects in Ukraine and western Russia, though recent excessive wetness raised quality concerns in the far south.

EASTERN FSU: Sunny, warm weather favored spring wheat planting in the north as well as late cotton planting in southern portions of the region.

MIDDLE EAST: Additional showers improved conditions for reproductive winter grains in Turkey, while sunny weather elsewhere accelerated winter grain maturation and harvesting.

SOUTH ASIA: Showers increased in southern India as growers await the onset of more consistent rainfall before beginning widespread planting.

EAST ASIA: Widespread showers in China benefited summer crops, but pockets of dryness in the northeast reduced soil moisture for corn and soybeans.

SOUTHEAST ASIA: Widespread seasonal showers maintained good soil moisture and water supplies for rice and other summer crops.

AUSTRALIA: Scattered showers helped maintain local moisture supplies for recently-sown winter crops, but more rain is needed.

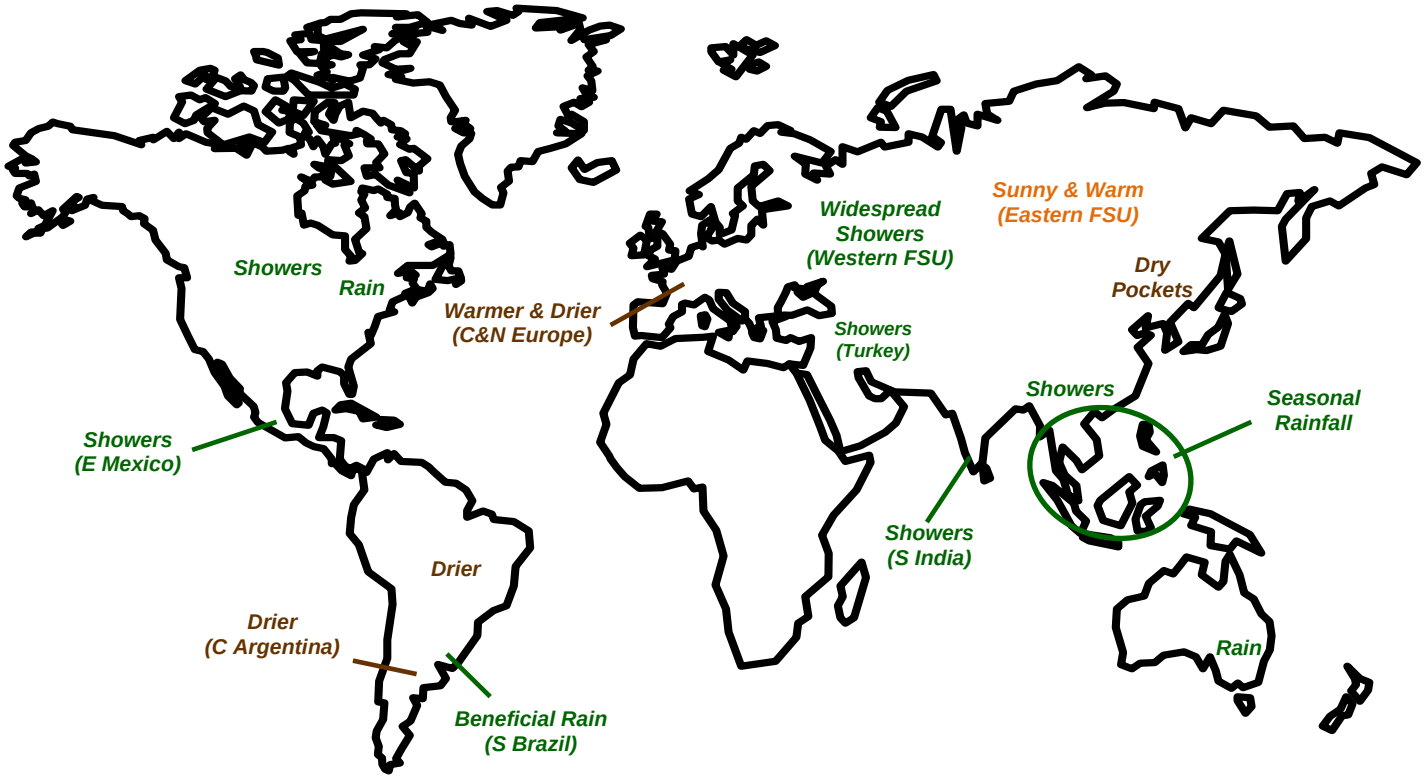
ARGENTINA: Drier weather spurred corn and soybean harvesting in central Argentina.

BRAZIL: Seasonably drier weather returned to central Brazil, but beneficial rain continued in key southern corn areas.

MEXICO: Scattered showers continued in eastern sections of the southern plateau corn belt.

CANADIAN PRAIRIES: Lingering showers slowed the latter stages of spring grain and oilseed planting.

SOUTHEASTERN CANADA: Rain disrupted fieldwork in Ontario and Quebec.



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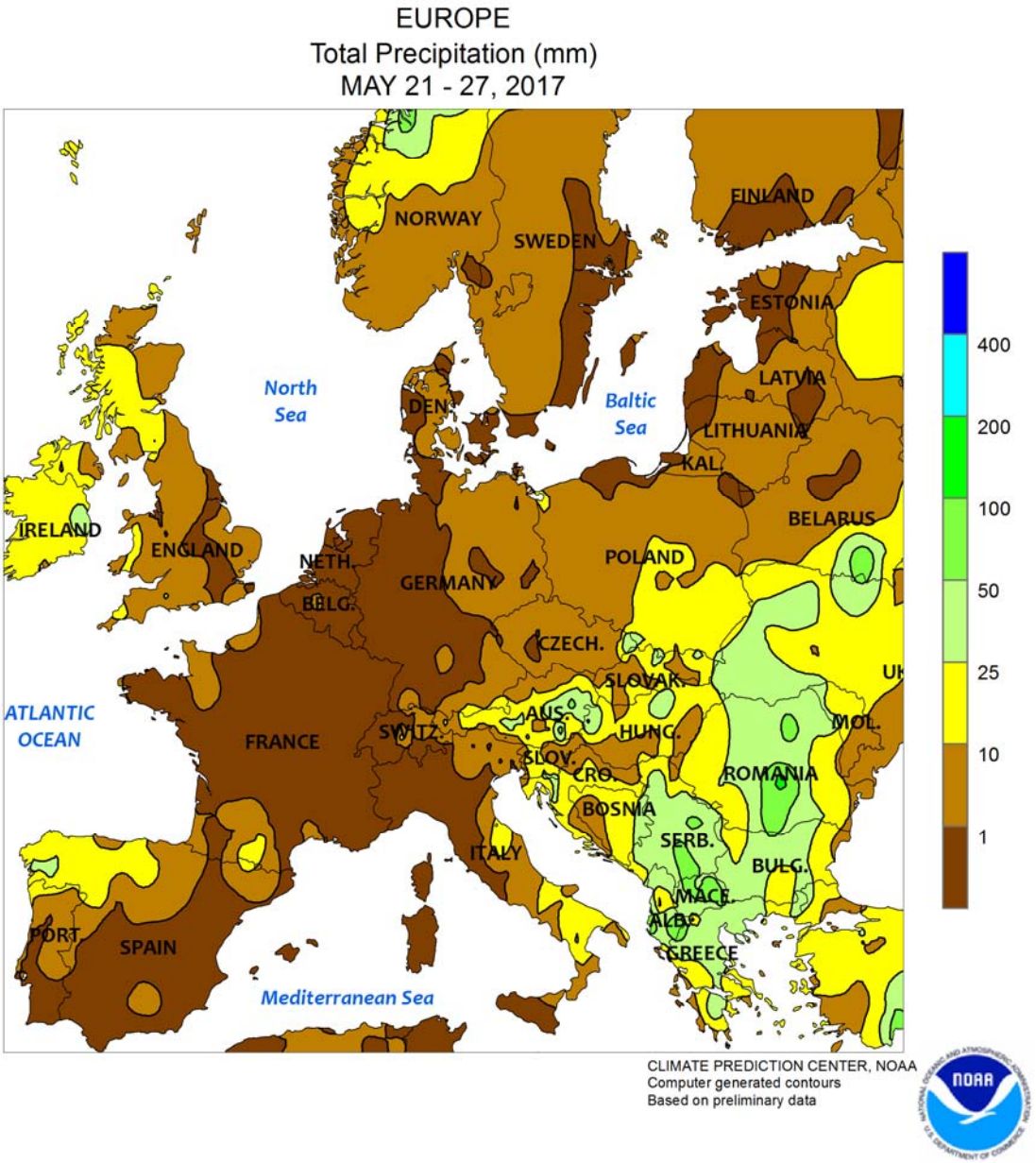
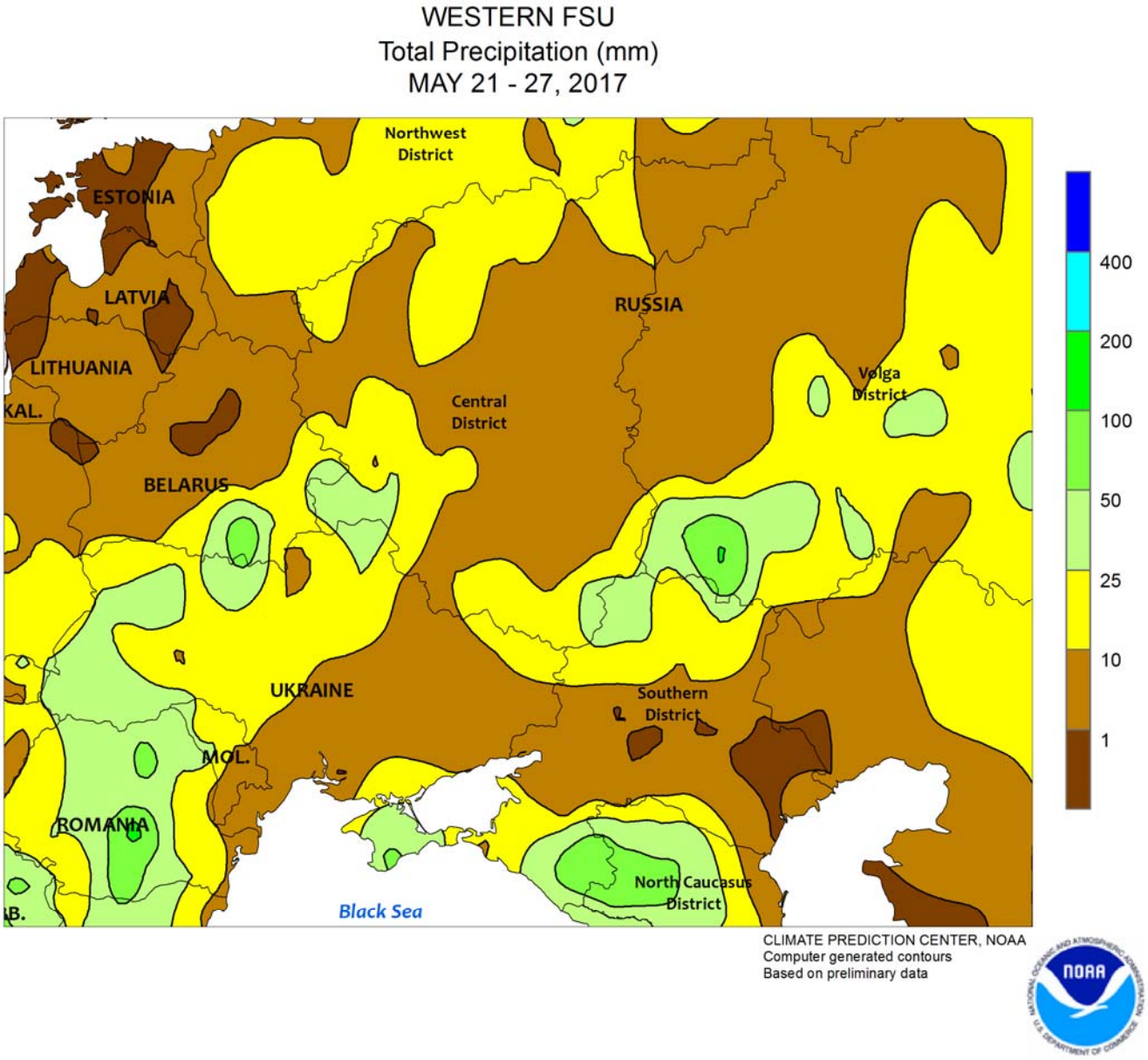


EUROPE

Warmer, drier weather over central and northern Europe contrasted with locally heavy rain in southeastern portions of the continent. A large area of high pressure brought sunny skies and above-normal temperatures (2-6°C above normal) to France, Germany, United Kingdom, and the Low Countries. As a result, winter wheat and rapeseed accelerated toward or through the filling stage of development after beneficial early-May rainfall. While moisture supplies improved as crops advanced through reproduction during May, the impact — if any — of late-April and early-May freezes may not be known until harvest. In Spain, showers (10-25 mm) in the north were too late to offer any benefit to filling to maturing winter grains, while dry, hot conditions (32-37°C) maintained high crop-water demands for vegetative corn and sunflowers in central and southern portions of the country. Sunny, warm weather (2-4°C above normal) also accelerated corn, soybean, and sunflower development in northern Italy. In Poland, mostly sunny skies and above-normal temperatures ushered wheat and rapeseed into or through the reproductive phases of development, though showers (10-25 mm) benefited reproductive winter crops in the south. In the Balkans, widespread soaking rainfall (10-75 mm) boosted moisture supplies for emerging to vegetative summer crops but hindered or halted winter wheat drydown and early harvest efforts.

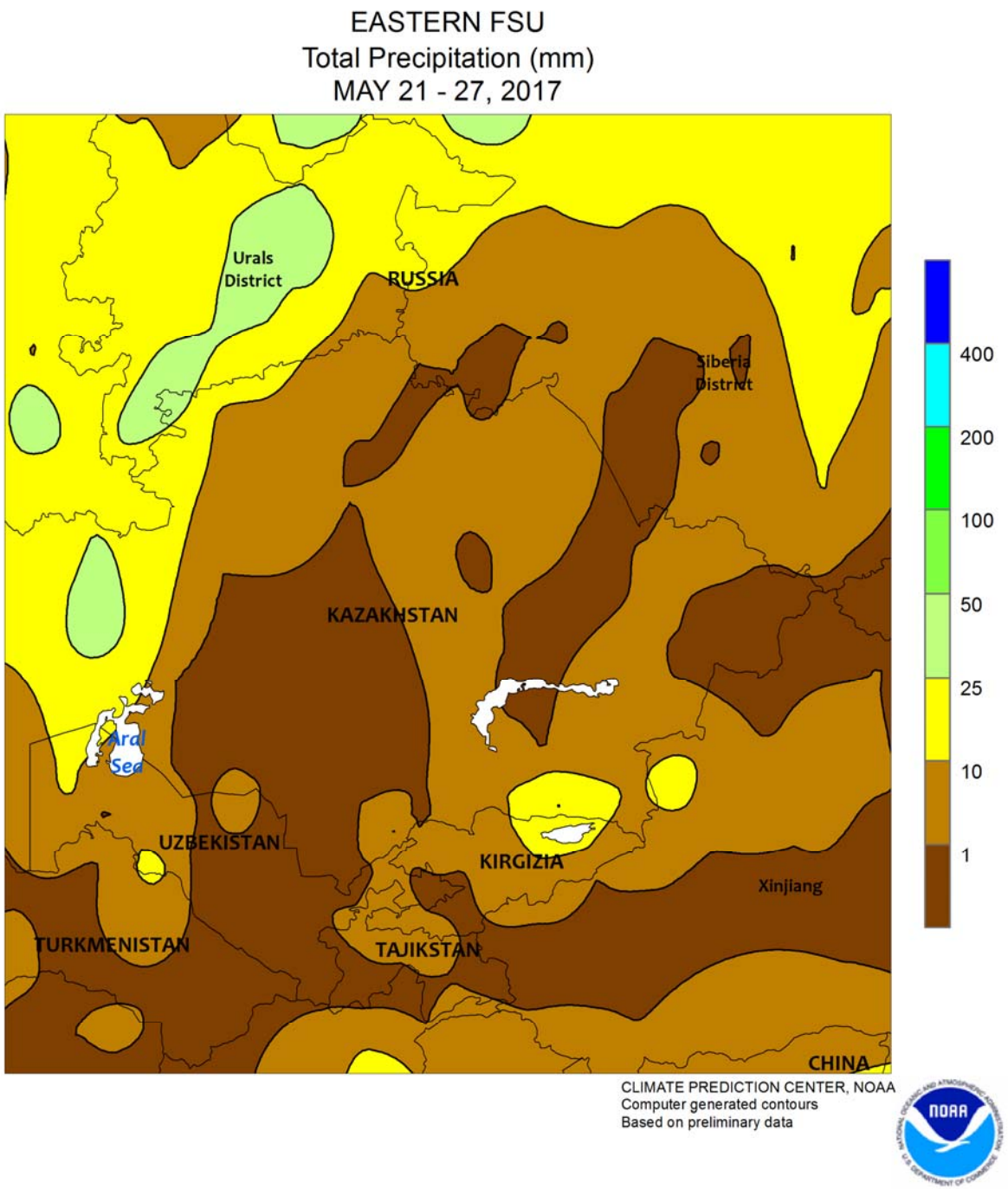
For additional information contact: mbrusberg@oce.usda.gov



WESTERN FSU

Showery weather continued, maintaining good to excellent prospects for winter wheat and emerging summer crops. From Moldova into western and northern Ukraine, moderate to heavy showers (10-35 mm) sustained excellent soil moisture supplies for reproductive to filling winter wheat as well as emerging corn and soybeans. However, drier conditions lingered in central Ukraine, with satellite-derived vegetation health data indicating varying degrees of localized moisture stress due to a drier-than-normal spring. In Russia, beneficial showers (5-40 mm) maintained abundant moisture supplies for reproductive winter wheat as well as emerging corn and sunflowers over much of the Southern, Central, and Volga Districts. However, heavy rain (25-70 mm) persisted in the North Caucasus District, where drier weather is needed for flowering winter wheat after locally more than 100 mm of rainfall since the second week of May.

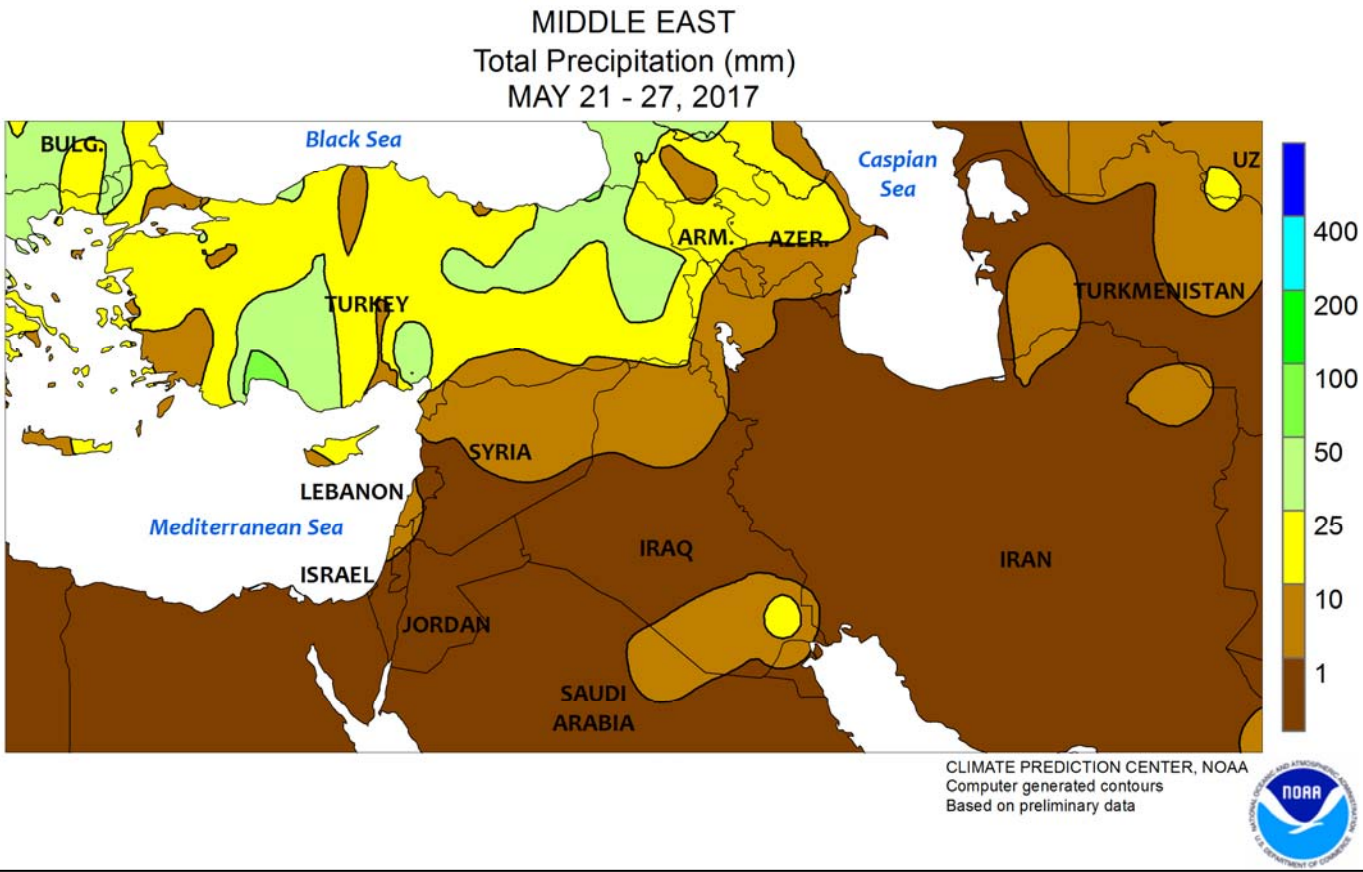
For additional information contact: mbrusberg@oce.usda.gov



EASTERN FSU

Dry weather favored fieldwork over much of the region, save for encroaching moderate to heavy rain in western- and northern-most growing areas. In northern Kazakhstan and neighboring portions of central Russia, spring wheat planting was able to proceed without significant delay. However, an approaching cold front triggered moderate to heavy showers and thunderstorms (10-35 mm) by week's end over western and northern spring wheat areas, slowing any late planting activities. Farther south, mostly dry, hot weather (3-7°C above normal) promoted late cotton planting but heightened irrigation demands for crop establishment.

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



MIDDLE EAST

Additional moderate to heavy showers in the north contrasted with sunny conditions in central and southern portions of the region. During the period, rainfall totaled 10 to 50 mm across most of Turkey's primary growing areas. The rain gave an additional boost to flowering winter wheat on the Anatolian Plateau, where crop prospects continued to improve following poor establishment due to autumn drought and abrupt bitter cold in December. The rain was also favorable for cotton and sunflowers grown in the west as well as corn areas in southeastern portions of Turkey. From Israel and Syria into Iran, sunny weather with seasonal heat favored winter wheat harvesting in the south and accelerated winter grains toward maturity in northerly growing areas.

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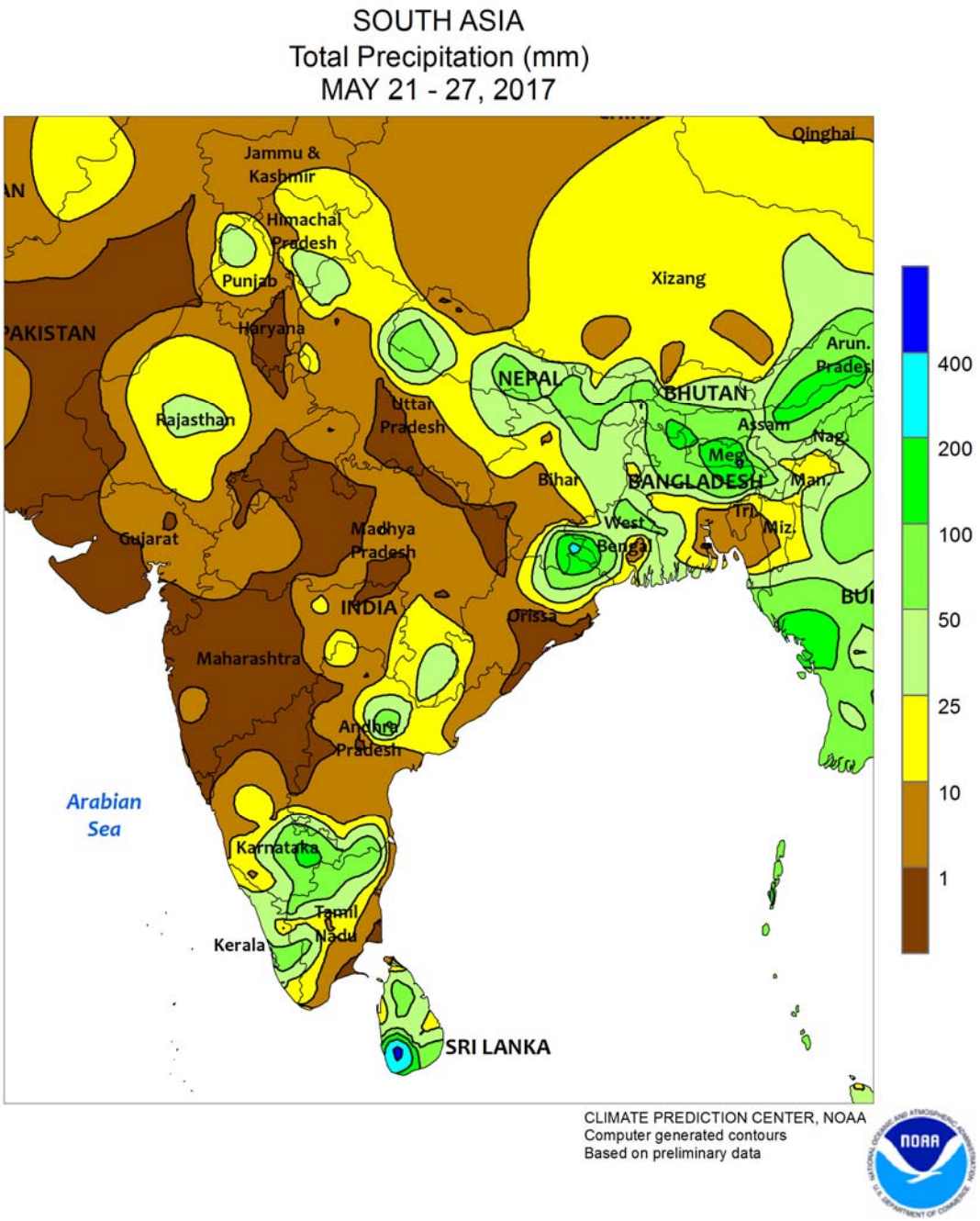
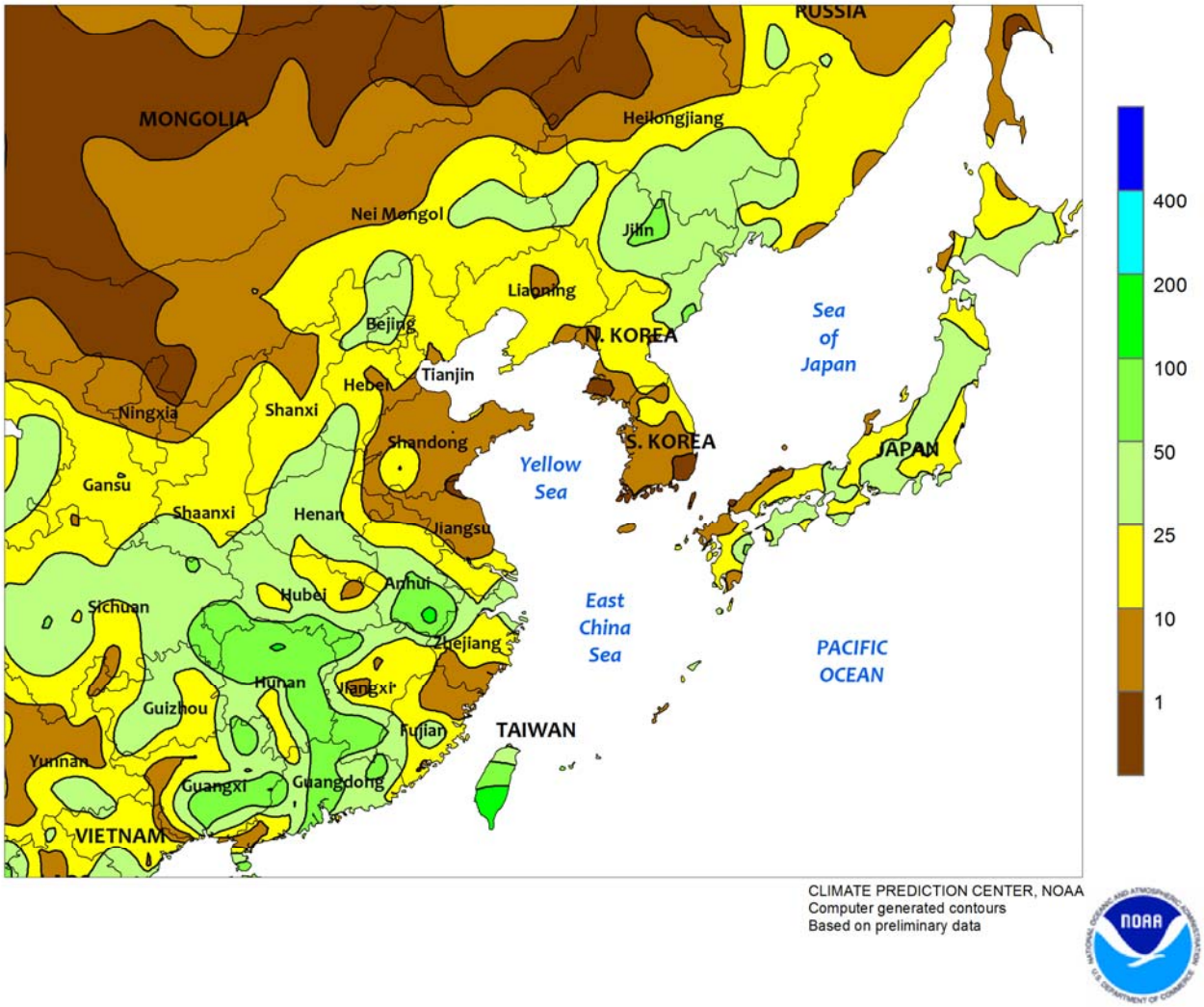


SOUTH ASIA

Showers continued to increase in southern India as a prelude to the start of the southwest monsoon. Rainfall in southern India ranged between 25 to over 50 mm, with similar amounts scattered around the country's perimeter (much of the interior received little if any rainfall). Meanwhile, most of India continued to swelter under intense heat, with temperatures occasionally topping 45°C in interior parts of the country. Cotton and rice sowing continued in northern India under heavy irrigation, while sowing of summer crops in other parts of India was limited to areas with sufficient irrigation. Most growers will await the onset of seasonal rainfall before beginning planting. Elsewhere in the region, irrigated cotton and rice sowing progressed in Pakistan under seasonably hot, dry conditions. Rainfall was less intense in Bangladesh (10-50 mm), particularly the lower delta, easing flooding from rainfall totals over the last 90 days that were nearly three times the normal amount. In Sri Lanka, the onset of the summer monsoon brought over 100 mm of rain to much of the southwest, aiding establishment of summer rice (yala), although amounts over 500 mm in upland areas causes severe flooding.

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

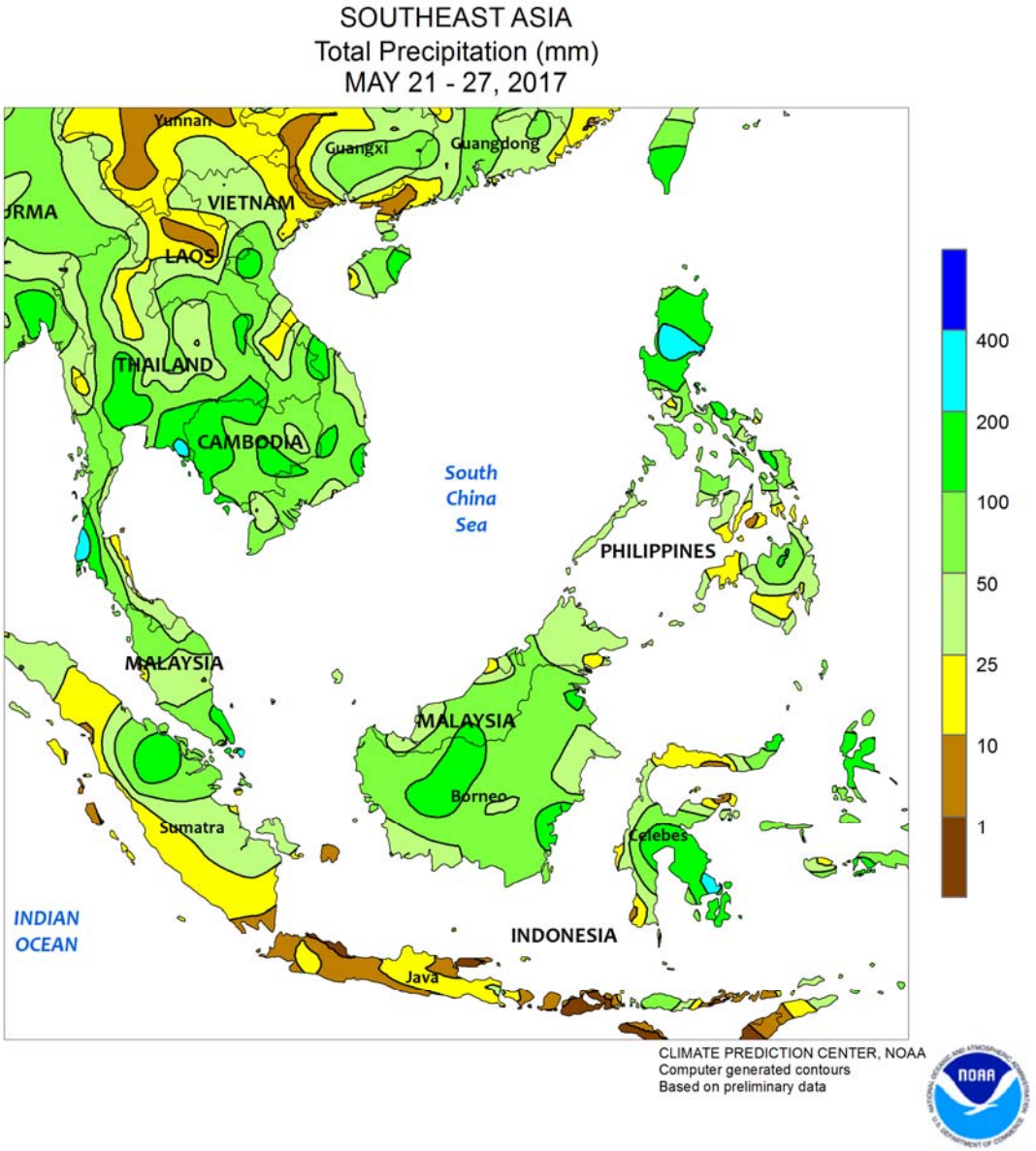
EASTERN ASIA
Total Precipitation (mm)
MAY 21 - 27, 2017



EASTERN ASIA

Widespread showers in eastern China maintained adequate soil moisture and water supplies for summer crops. Most areas received over 10 mm of rain, while southeastern Heilongjiang, eastern Jilin, and western sections of the North China Plain reported over 25 mm. The highest rainfall totals (50-100 mm or more) were observed in the central Yangtze Valley, benefiting rice and other summer crops. At the same time, pockets of drier weather occurred in eastern sections of the North China Plain, aiding wheat maturation, while unfavorable dryness continued in western Heilongjiang, reducing soil moisture for corn and soybean establishment. Elsewhere in the region, mostly dry weather on the Korean Peninsula increased irrigation demands for rice, as below-normal May rainfall continued in Japan. Temperatures were 1 to as much as 4°C above normal in eastern China, on the Korean Peninsula, and across Japan. Daytime highs occasionally topped 35°C on the North China Plain.

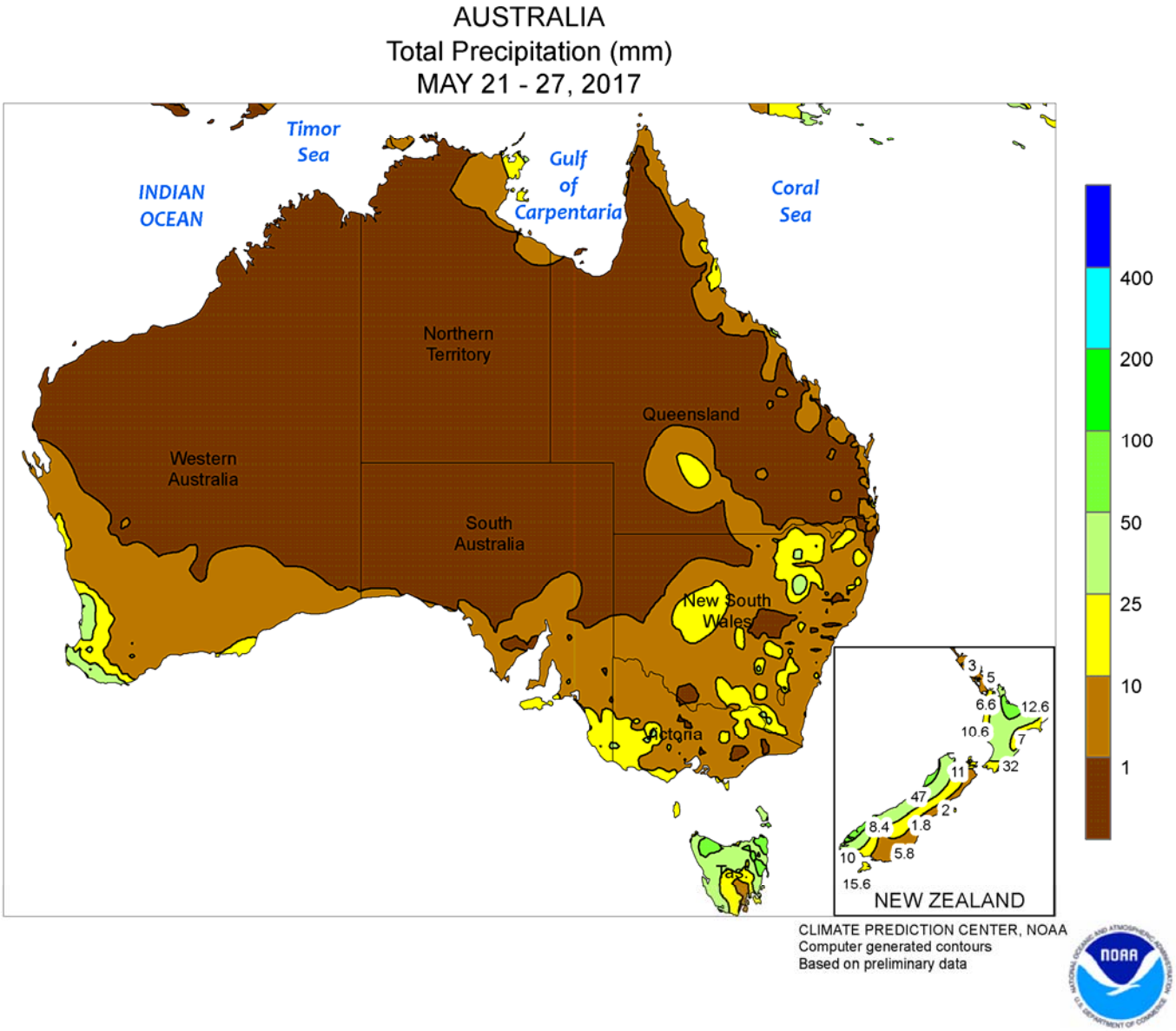
For additional information contact: mbrusberg@oce.usda.gov



SOUTHEAST ASIA

Seasonal rainfall continued in Thailand and environs, aiding establishment of rice and other summer crops. Most areas reported 25 to locally over 100 mm of rain for the week, and totals since May 1 continued to be above normal. In the Philippines, 50 to 100 mm occurred in most districts, with locally 200 to over 300 mm causing flooding in central Luzon. Rainfall for the start of the summer growing season (starting May 1) has been above to well above normal throughout the Philippines. To the south, heavy showers (over 50 mm) covered most oil palm areas in Indonesia and Malaysia, maintaining good soil moisture and yield prospects.

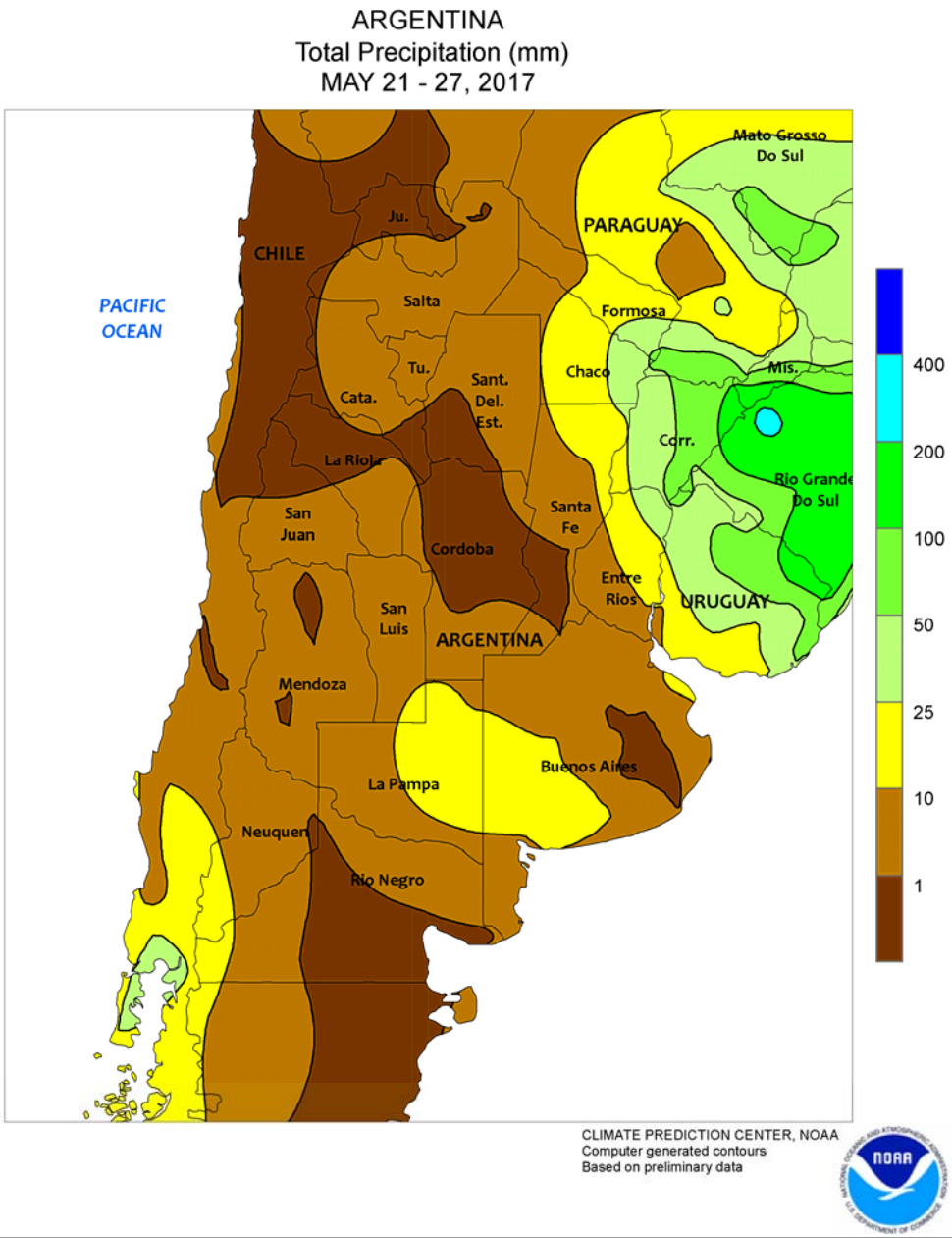
For additional information contact: mbrusberg@oce.usda.gov



AUSTRALIA

Dry weather in southern Queensland favored cotton, sorghum, and other summer crop harvesting, but reduced topsoil moisture for vegetative winter wheat. Elsewhere in the wheat belt, scattered showers (5-25 mm) helped maintain local moisture supplies for recently-sown winter grains and oilseeds. Although the rain aided local crop development, more widespread and consistent rainfall is needed throughout the wheat belt to help ensure uniform germination and emergence. The areas that have been most deficient in rainfall since the beginning of the month include central South Australia, eastern Victoria, and southern Queensland. Rainfall in these areas has averaged 50 percent of normal since May 1. Throughout the remainder of the wheat belt, month-to-date rainfall has generally been near normal. Temperatures in southern and eastern Australia averaged 1 to 3ºC above normal, accelerating winter crop development. Temperatures in Western Australia averaged near normal.

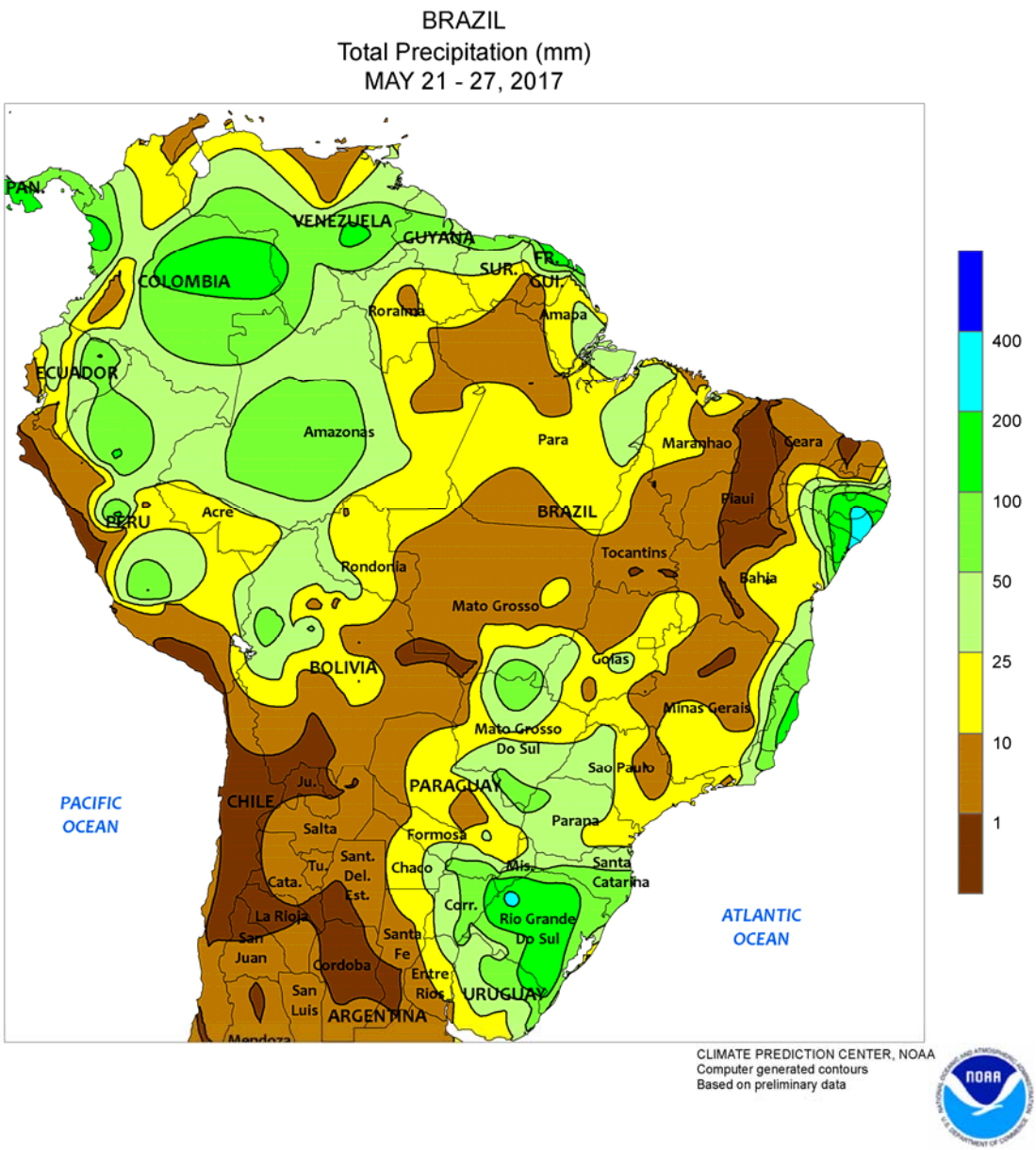
For additional information contact: mbrusberg@oce.usda.gov



ARGENTINA

Dry weather supported summer crop harvesting in central Argentina for much of the week. Although several days of scattered showers produced 10 to 40 mm of rainfall in La Pampa and sections of western Buenos Aires, little to no rain fell from eastern Buenos Aires northwestward through Cordoba and southern Santa Fe. The dryness extended northward through Salta and Jujuy — spurring winter grain planting — but locally heavy showers (10-50 mm, locally higher) lingered over the northeast. While providing ample moisture for winter grains, the rain kept mature cotton unfavorably wet from northern Santa Fe to eastern Formosa. Weekly temperatures averaged near to slightly above normal in eastern farming areas (Buenos Aires northward through Chaco) but somewhat cooler weather prevailed in the vicinity of La Pampa, where nighttime lows fell below 0°C at week's end. According to the government of Argentina, corn and soybeans were 42 and 79 percent harvested, respectively, as of May 24, ahead of last year's pace for both crops.

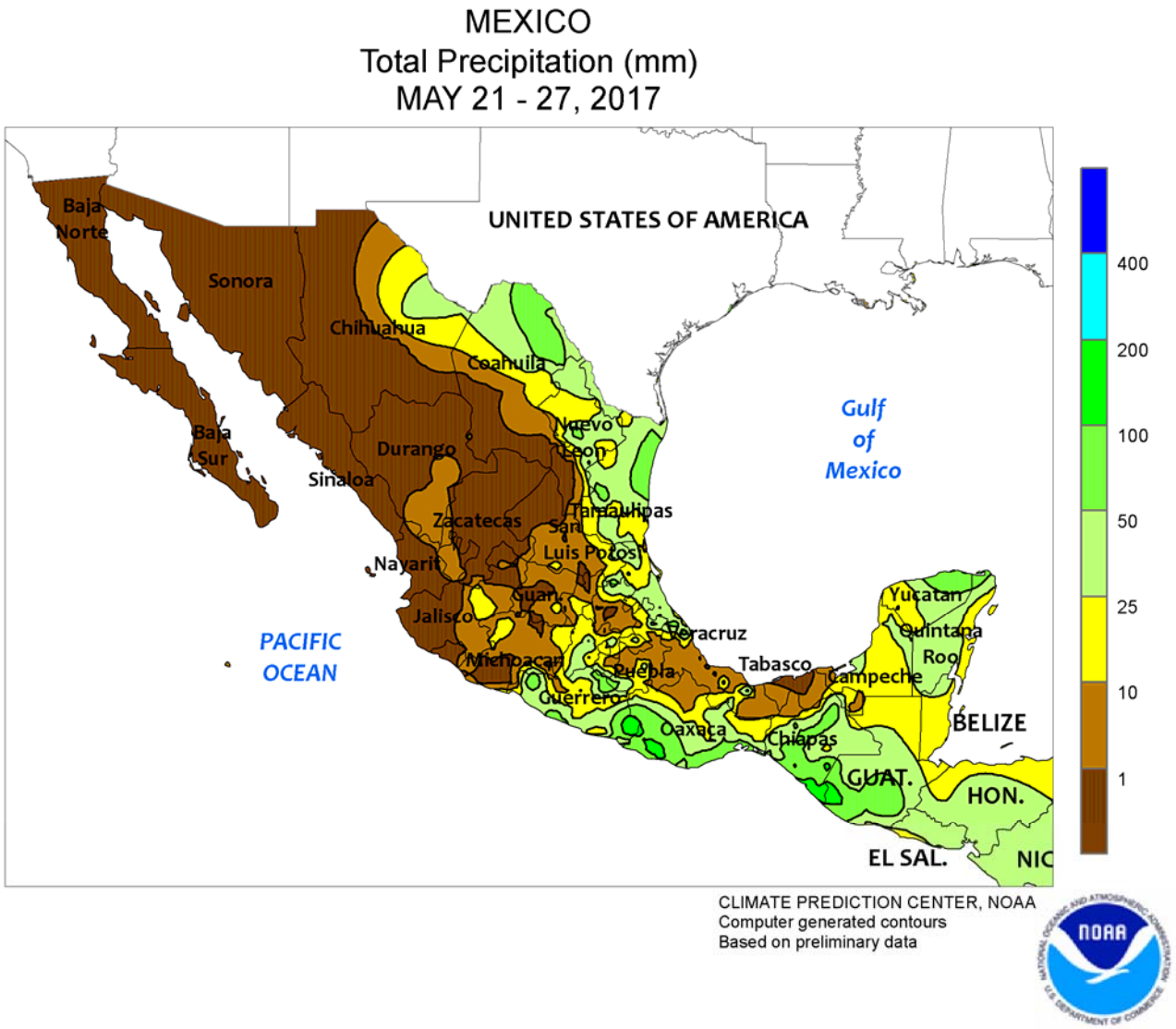
For additional information contact: mbrusberg@oce.usda.gov



BRAZIL

Seasonably drier weather returned to much of central Brazil, accompanied by warm weather that spurred rapid corn and cotton development. Light to moderate rain (10-25 mm, locally higher) that fell at the beginning of the week from southern Mato Grosso to southwestern Bahia quickly dissipated, resulting in warm, sunny weather for the remainder of the period. Meanwhile, large sections of the remainder of the Center-West and northeastern interior (central and northern Mato Grosso to northwestern Bahia) recorded less than 10 mm of rainfall. Weekly temperatures averaged 2 to 4°C above normal in the aforementioned region, with daytime highs reaching upper 30s (degrees C) in spots. Rainfall (5-35 mm) also diminished from the previous week over sugarcane and coffee areas of Sao Paulo and Minas Gerais, improving conditions somewhat for sugarcane harvesting and maturation of coffee. In contrast, locally heavy rain (25-100 mm, locally higher) continued from southern Mato Grosso do Sul to Rio Grande do Sul, maintaining adequate to abundant levels of moisture for second-crop corn and newly-sown wheat. According to governmental reports, wheat was 65 percent planted in Parana as of May 22, while in Rio Grande do Sul, planting of wheat had reached 3 percent as of May 25 (versus 4 percent averaged over recent years).

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

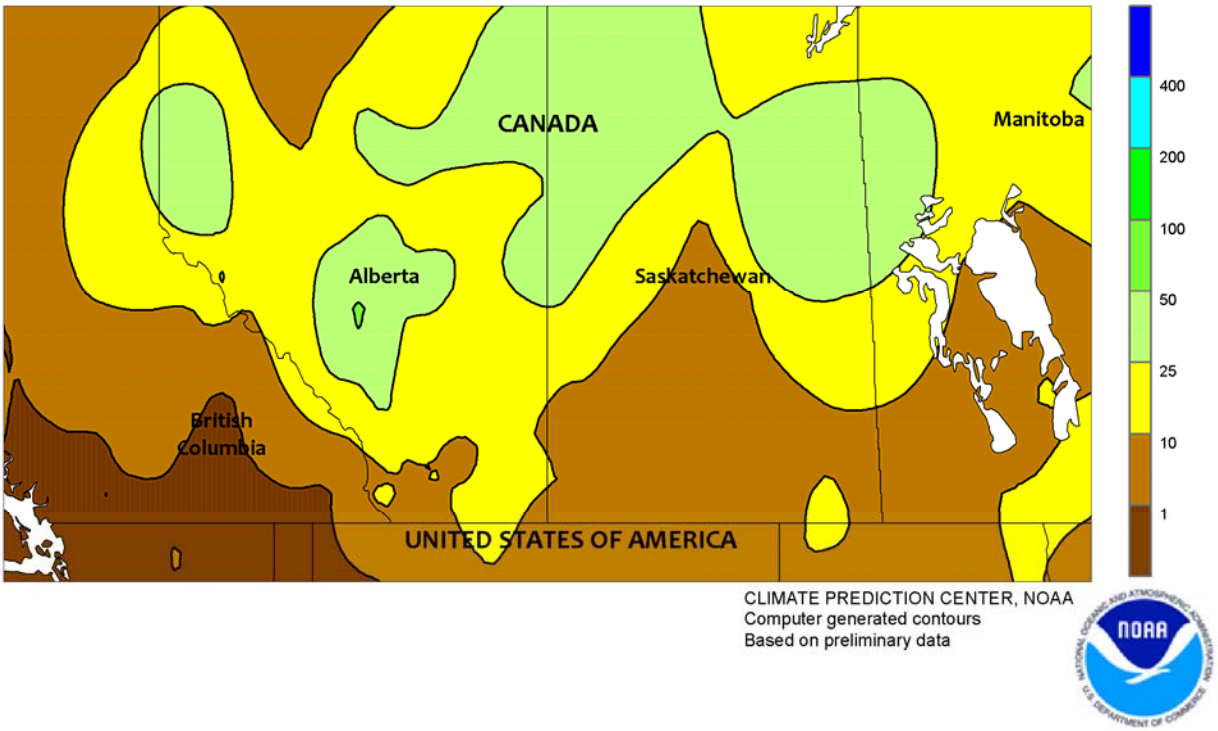


MEXICO

Rainfall intensified from the previous week over much of eastern Mexico. Amounts totaled 10 to 50 mm — locally higher — on the southern plateau corn belt from Puebla westward to Michoacan. Farther west, scattered showers (locally totaling more than 10 mm) developed over eastern sections of Jalisco, where farmers were awaiting the onset of seasonal rains to begin planting corn. Elsewhere in the south, locally heavy rain (25-100 mm) fell along the Pacific Coast from eastern Guerrero to Chiapas, boosting moisture for summer crops as well as coffee. Farther north, moderate to heavy rain (10-50 mm, locally higher) fell from northern Veracruz through Tamaulipas and Nuevo Leon, reaching as far west as eastern Chihuahua. The rain boosted reservoirs for summer crops and livestock but came too late for maturing winter grains. In contrast to the eastern wetness, warm, mostly dry weather dominated most of western Mexico, favoring harvesting of winter wheat and corn, among other seasonal field activities.

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

CANADIAN PRAIRIES
Total Precipitation (mm)
MAY 21 - 27, 2017

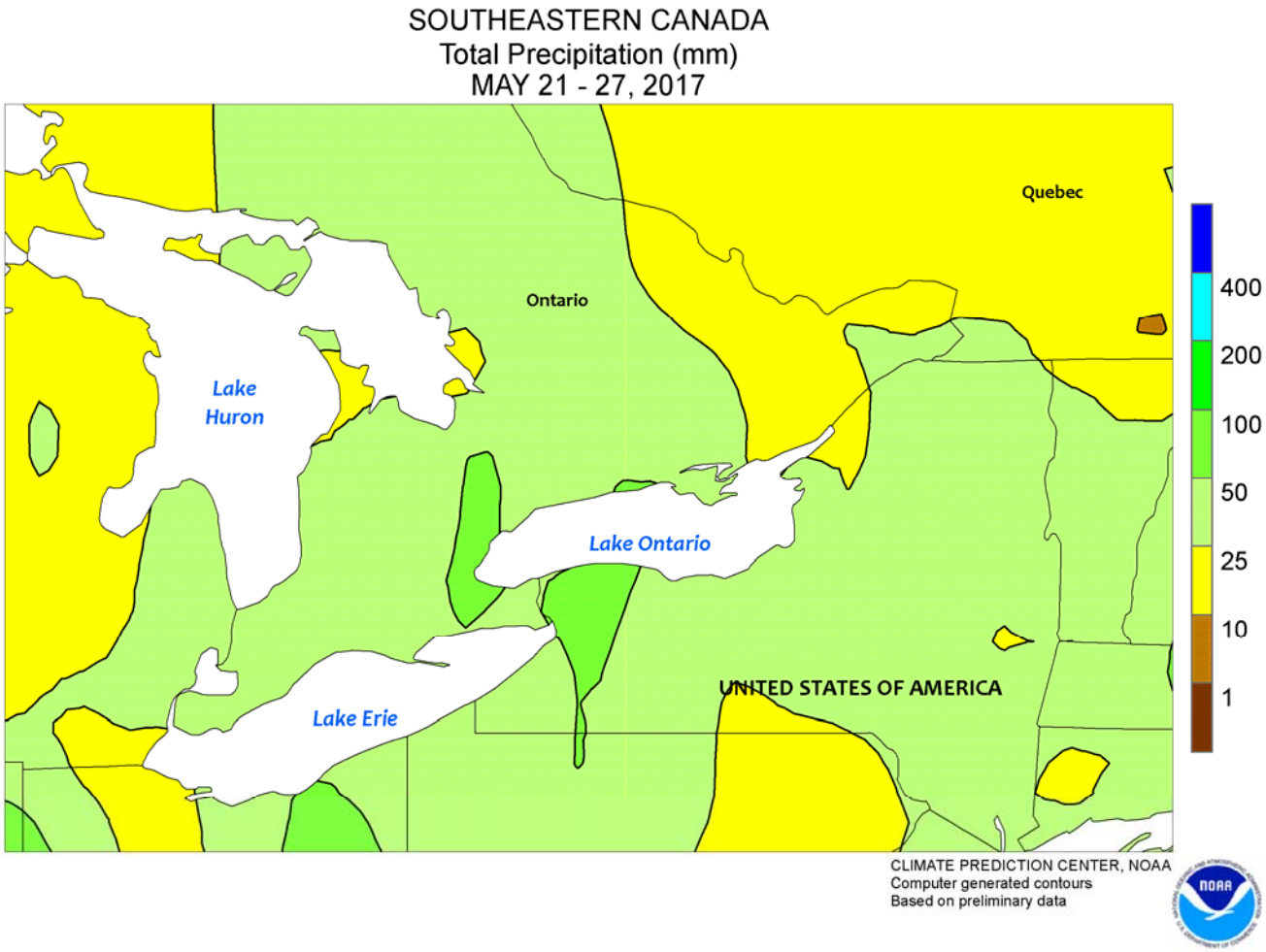


CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

CANADIAN PRAIRIES

Spring grain and oilseed planting continued to make sluggish progress in some areas due to problems with lingering wetness. Rainfall continued to be light (less than 10 mm) from southern Alberta eastward through the main agricultural districts in Manitoba. Locally heavy rain (10-25 mm, locally approaching 50 mm) continued to the north and west, however, including Alberta's Peace River Valley, ending a brief period of favorable planting weather. According to the government of Alberta, planting advanced 26 points during the week ending May 23 to reach 57 percent complete, still behind the 5-year average of 83 percent. In contrast, planting was nearing completion in Manitoba (90 percent) as of May 29. Weekly temperatures averaged near normal in the drier southern areas and up to 4°C above normal in northern and western agricultural districts, where daytime highs reached the middle and upper 20s (degrees C). Nighttime lows fell below 5°C across the region, reaching 0°C in spots, but no widespread freeze was evident.

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



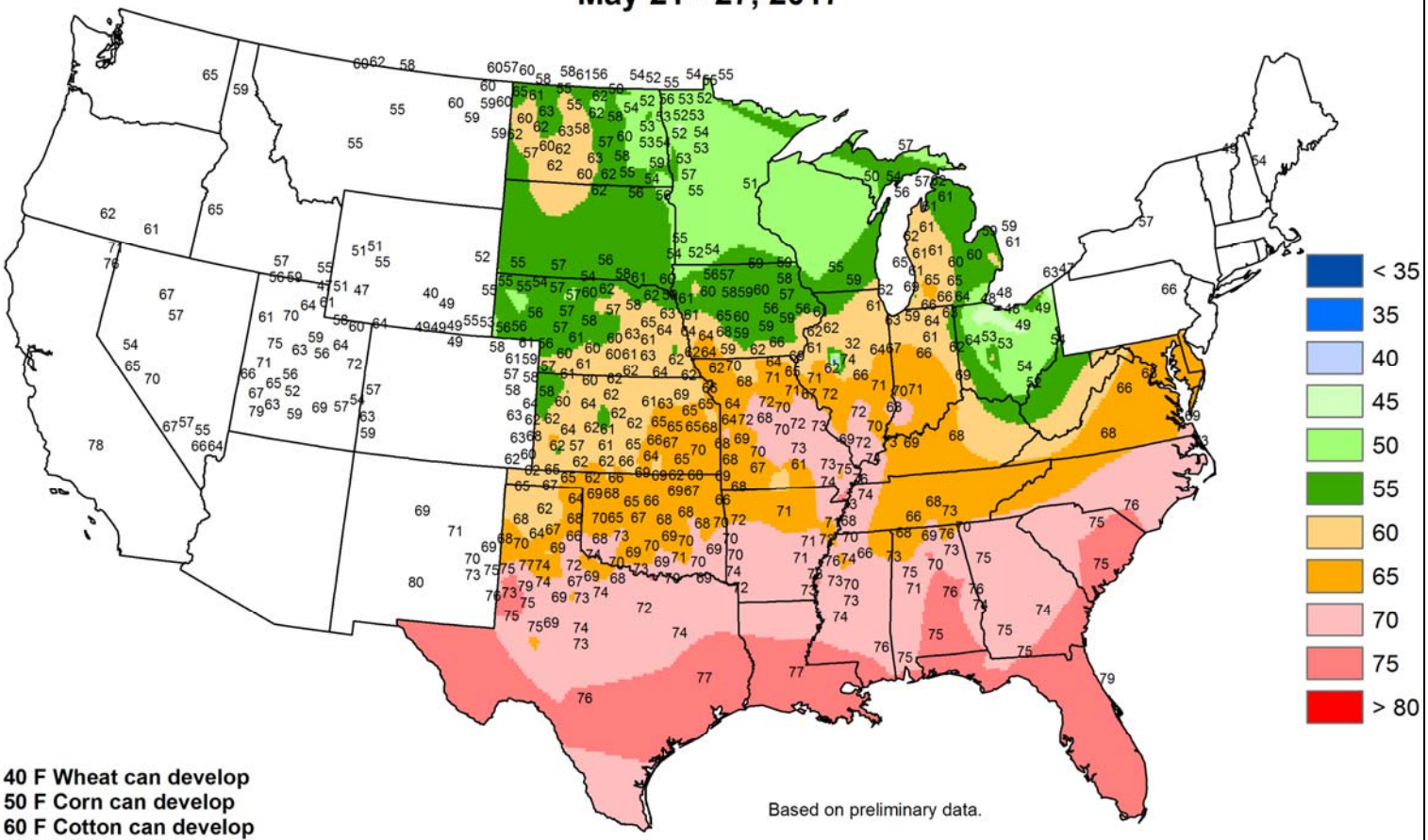
SOUTHEASTERN CANADA

Rainy weather returned to the region, causing localized delays in fieldwork after two weeks of favorable dryness. Rainfall totaled 10 to 50 mm across Ontario and Quebec, providing abundant moisture for agriculture but disrupting summer crop planting and treatments for diseases and pests. Near-normal temperatures accompanied the dampness, with daytime highs reaching the lower 20s (degrees C) for much of the week. Nighttime lows dropped below 5°C in Quebec and Ontario's eastern agricultural districts but no freezes were reported.

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

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

May 21 - 27, 2017



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

Data provided by the Climate Prediction Center, High Plains Regional Climate Center, Nebraska Mesonet at Univ of Nebraska, CoAgMet at Colorado State Univ, Kansas Mesonet at Kansas State Univ, North Dakota Agricultural Weather Network at North Dakota State Univ, Wyoming State Climate Office at the Univ of Wyoming, Illinois State Water Survey, Iowa State University, Oklahoma Mesonet, Purdue University, University of Missouri, Illinois State Water Survey, Michigan Automated Weather Network, West Texas Mesonet, South Dakota State Univ. Mesonet, Ohio Agricultural Research and Development Center, Univ. of Missouri and USDA/NRCS.

USDA United States Department of Agriculture

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