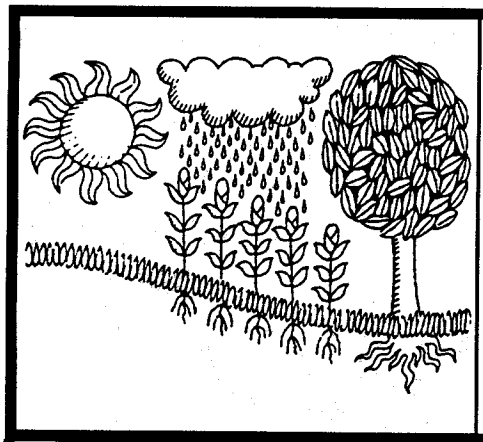
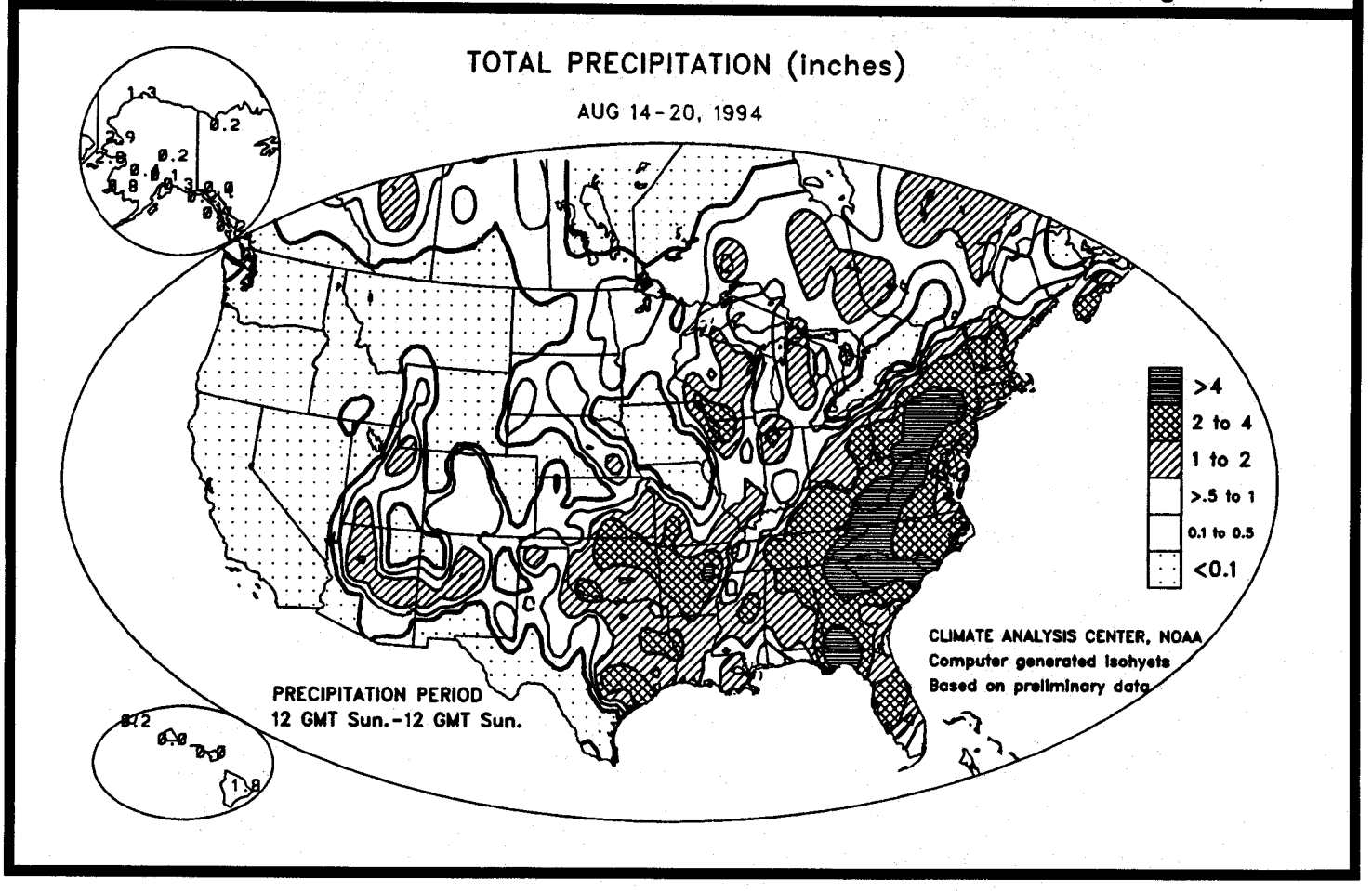


WEEKLY WEATHER AND CROP BULLETIN

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

Volume 81, No. 34 | Washington, D.C. | August 23, 1994



HIGHLIGHTS

August 14 - 20, 1994

Tropical Storm Beryl formed in the northeastern Gulf of Mexico on Sunday and moved inland near **Panama City, FL** on Monday evening. The remnant circulation of Beryl accelerated northward, parallel to the **Appalachians**, dumping intense but short-lived rainfall. Late in the week, a cold front triggered beneficial showers across the **eastern Corn Belt**. Farther south, thunderstorms provided pre-planting moisture for winter wheat areas from **south-central Kansas** southward into **northern Texas**.

Beryl moved ashore with sustained winds of 50 miles per hour (mph), with gusts above 60 mph. Even inland, **Tallahassee, FL** clocked a peak gust of 64 mph. Torrential rainfall pelted **northwestern Florida**, as well as the foothills and mountains from **northeastern Georgia** to **southern New York**.

(Continued to p. 10)

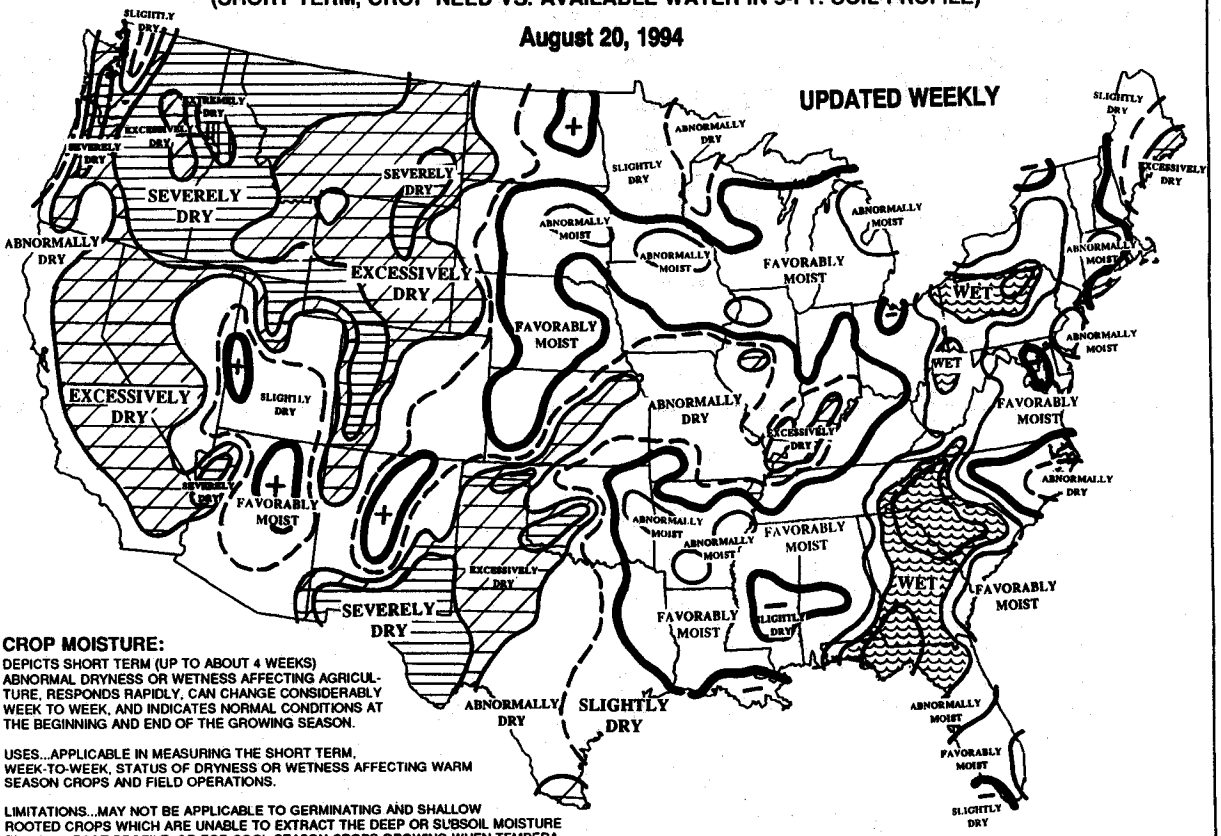
Contents

	Page
Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Drought Severity Maps	3
Temperature Departure & Extreme Maximum Temperature Maps	4
National Weather Data for Selected Cities	5
National Agricultural Summary	8
Crop Progress and Condition Tables	9
State Summaries of Weather and Agriculture	11
International Weather and Crop Summary	16
Eastern Asia Summer Rainfall	**19**
Subscription and Mailing Permit Information & **T.S. Beryl Soaks the Eastern U.S.**	**20**

CROP MOISTURE

(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 20, 1994



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 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 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

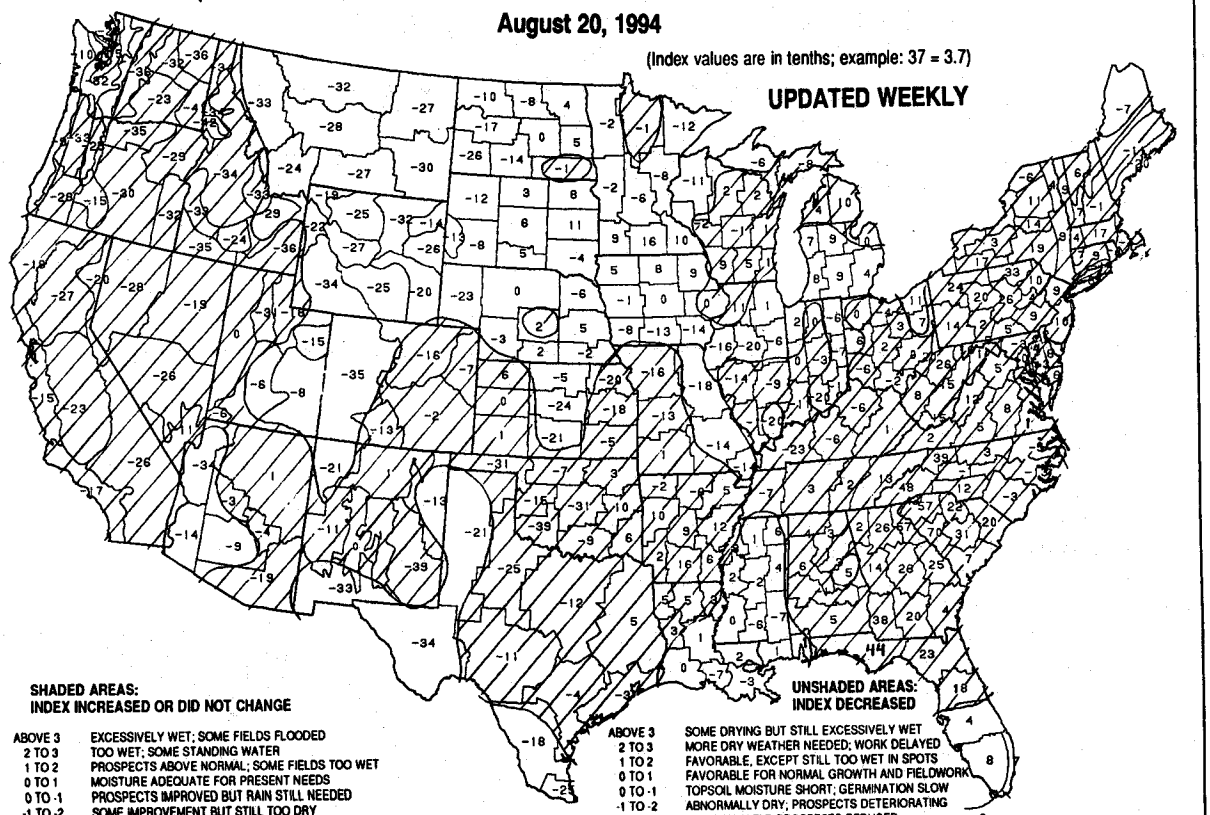
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX

(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 20, 1994

(Index values are in tenths; example: 37 = 3.7)



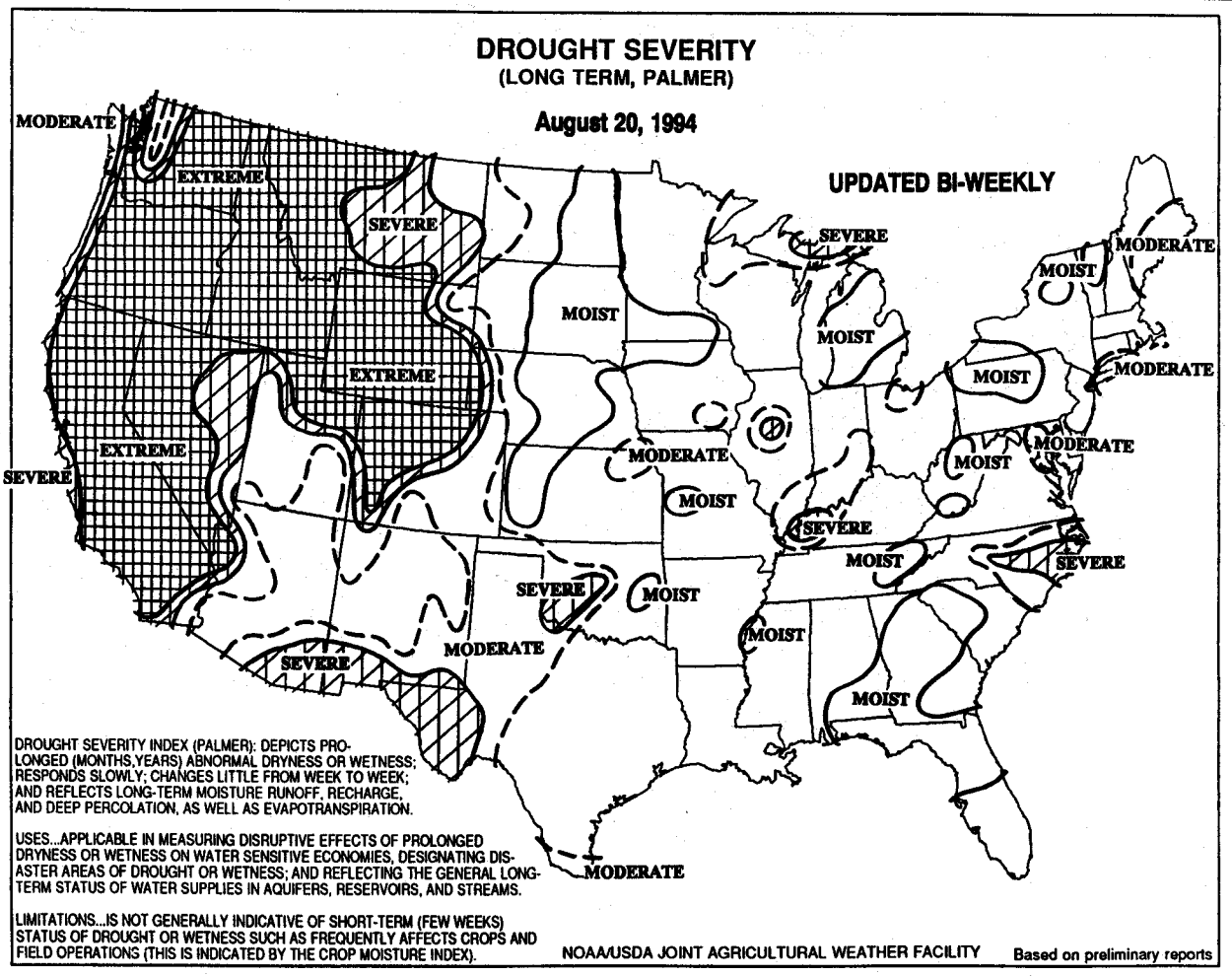
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE

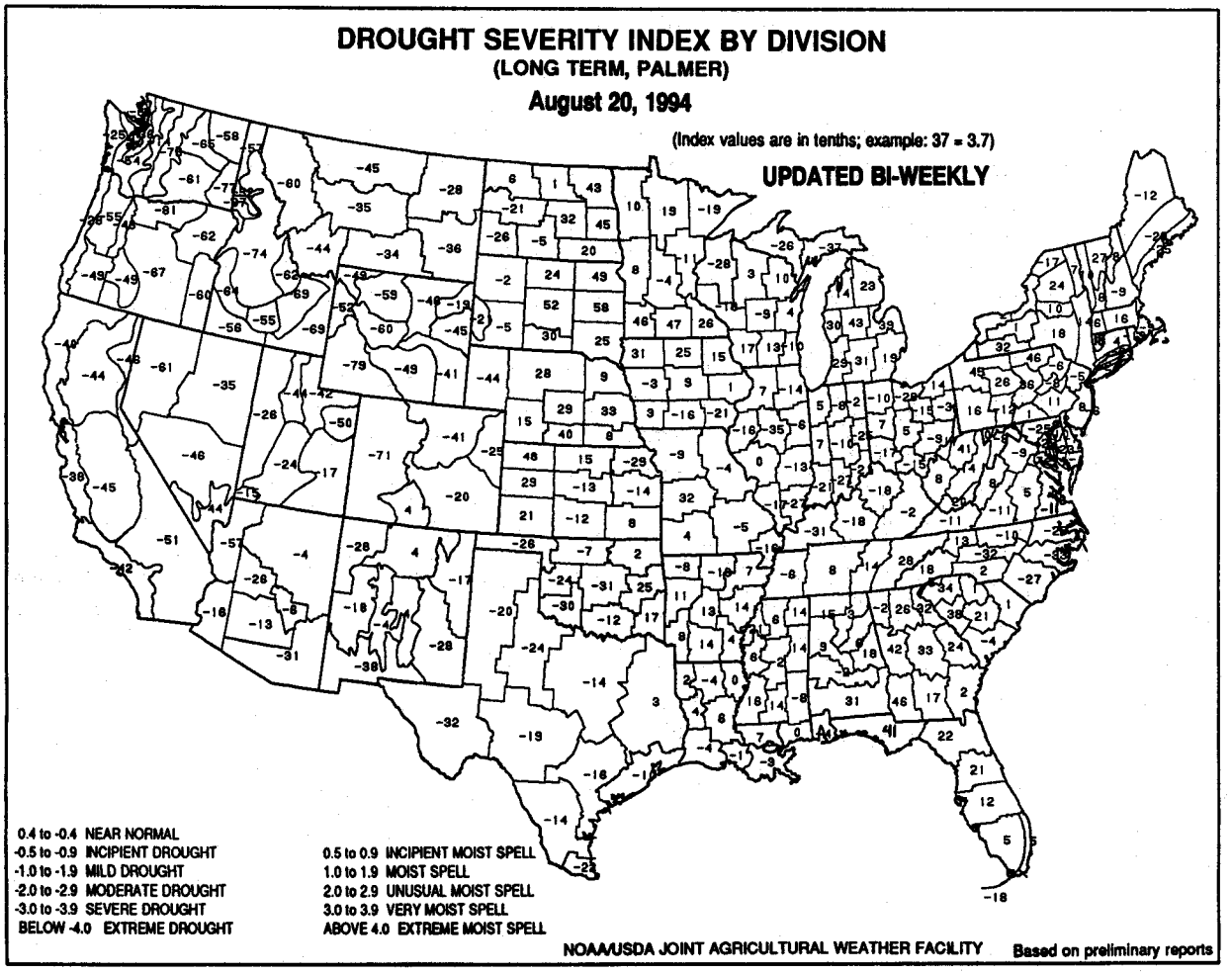
ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	PROSPECTS ABOVE NORMAL; SOME FIELDS TOO WET
0 TO 1	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3	DROUGHT EASED BUT STILL SERIOUS
-3 TO -4	DROUGHT CONTINUES; RAIN URGENTLY NEEDED
BELOW -4	NOT ENOUGH RAIN; STILL EXTREMELY DRY

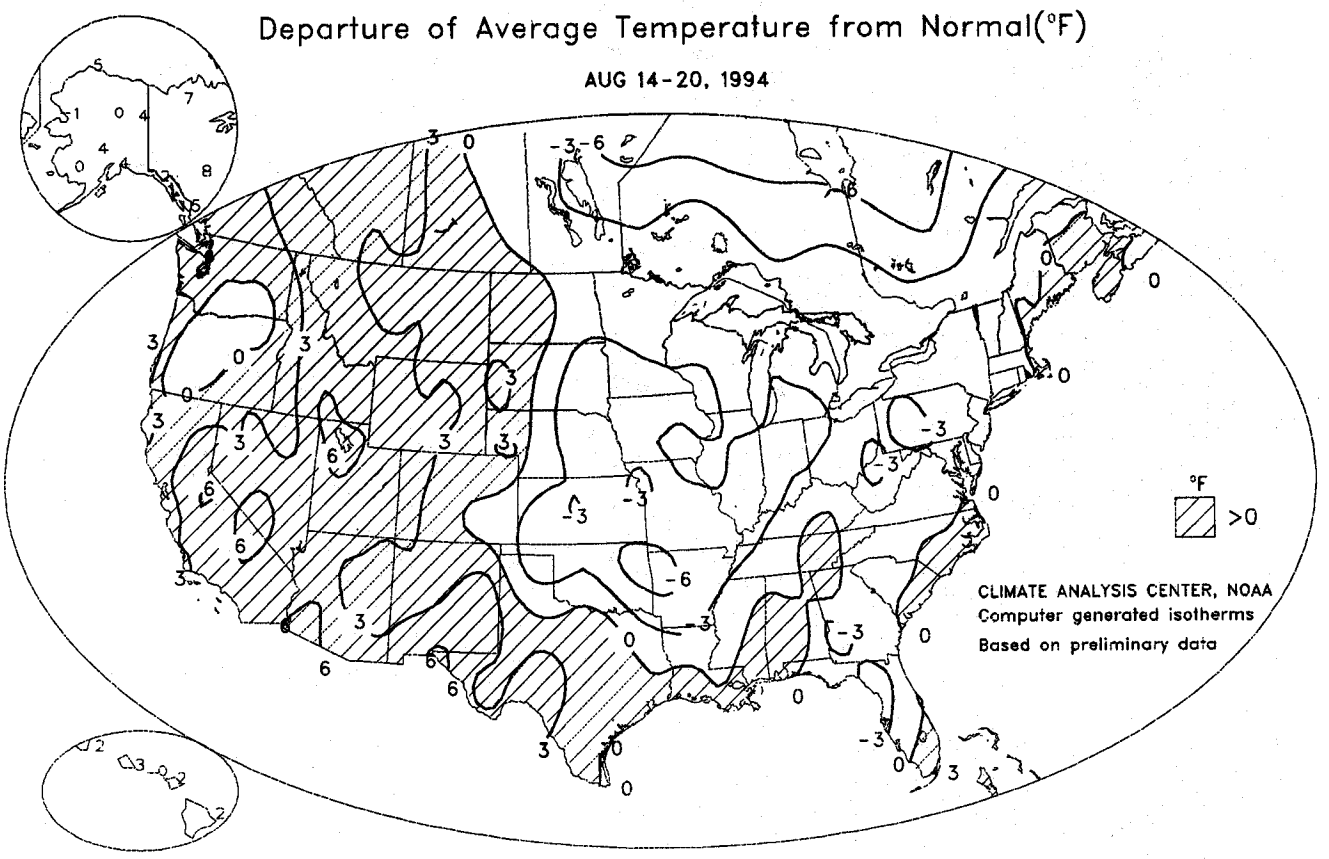
UNSHADED AREAS: INDEX DECREASED

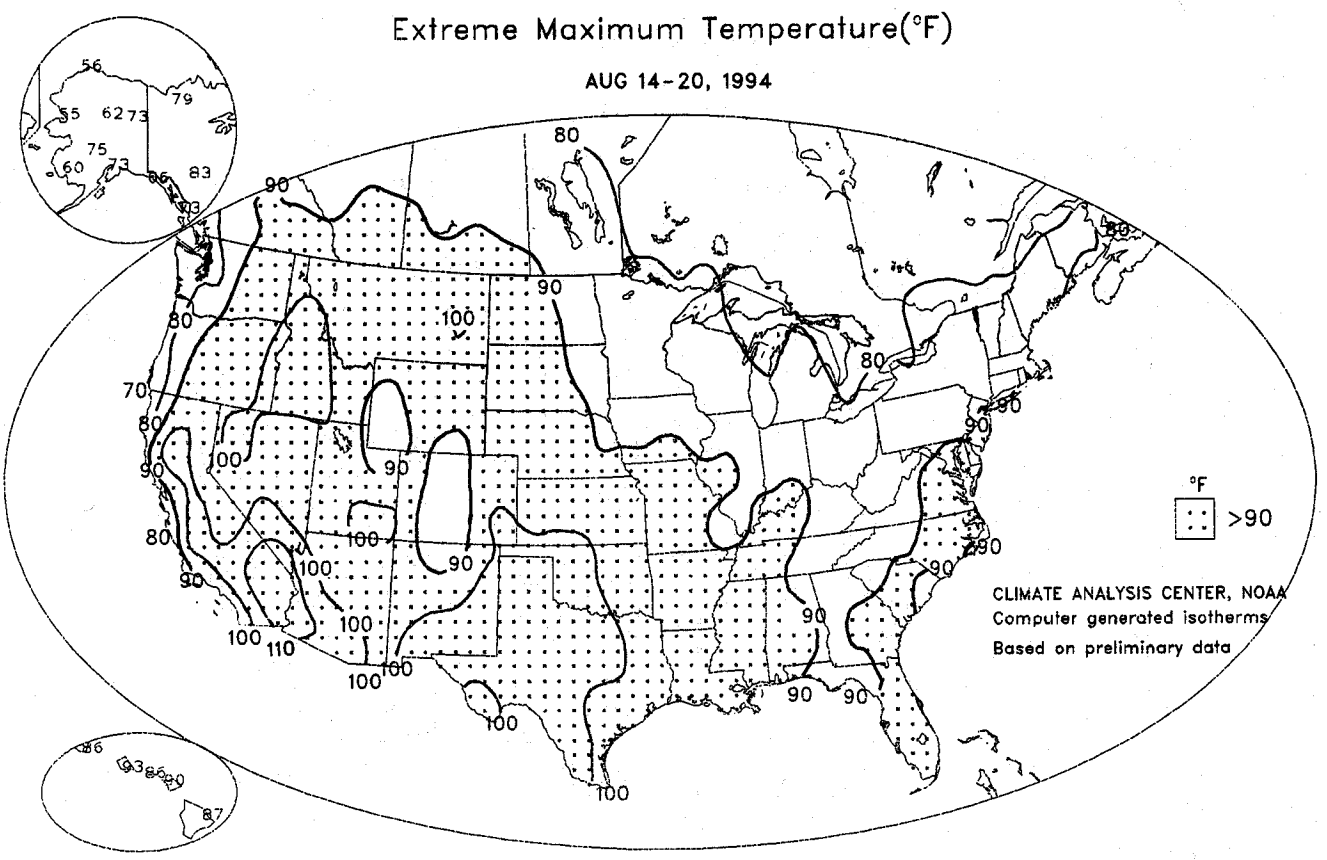
ABOVE 3	SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3	MORE DRY WEATHER NEEDED; WORK DELAYED
1 TO 2	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1	TOPSOIL MOISTURE SHORT; GERMINATION SLOW
-1 TO -2	ABNORMALLY DRY; PROSPECTS DETERIORATING
-2 TO -3	TOO DRY; YIELD PROSPECTS REDUCED
-3 TO -4	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4	EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports


DROUGHT SEVERITY
(LONG TERM, PALMER)
August 20, 1994
UPDATED BI-WEEKLY
MODERATE
EXTREME
SEVERE
MOIST
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS,YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS 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, DESIGNATING 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 OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
August 20, 1994
(Index values are in tenths; example: 37 = 3.7)
UPDATED BI-WEEKLY
0.4 to -0.4 NEAR NORMAL
-0.5 to -0.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
0.5 to 0.9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE 4.0 EXTREME MOIST SPELL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


Departure of Average Temperature from Normal(°F)
AUG 14-20, 1994
°F
>0
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isotherms
Based on preliminary data


Extreme Maximum Temperature(°F)
AUG 14-20, 1994
°F
>90
CLIMATE ANALYSIS CENTER, NOAA
Computer generated isotherms
Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending August 20, 1994

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 Jun 1	PCT. NORMAL SINCE Jun 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	88	71	90	68	80	0	.8	.0	.6	15.2	134	40.4	109	92	59	3	0	2	1
MOBILE	91	73	93	72	82	0	T	-1.6	T	16.8	102	39.1	90	98	54	5	0	1	0
MONTGOMERY	92	71	94	70	82	2	.6	-.3	.4	18.1	135	39.0	102	91	51	7	0	4	0
AK ANCHORAGE	68	53	73	47	60	4	T	-.6	T	2.3	52	5.6	69	86	62	0	0	0	0
BARROW	49	37	56	35	43	5	1.3	1.1	.5	2.6	140	3.2	122	97	84	0	0	6	1
FAIRBANKS	72	50	79	39	61	4	.2	-.2	.1	3.8	83	5.0	74	86	51	0	0	2	0
JUNEAU	65	52	69	48	59	3	T	-1.2	T	3.9	36	23.8	84	94	69	0	0	1	0
KODIAK	68	51	77	48	60	4	T	-1.2	T	11.3	98	53.8	140	86	46	0	0	0	0
NOME	51	47	53	45	49	-1	2.8	2.2	1.1	7.2	144	10.0	121	96	91	0	0	7	2
AZ PHOENIX	105	84	108	80	94	3	T	-.2	T	.2	15	2.8	66	50	21	7	0	0	0
PRESCOTT	89	64	94	61	76	6	1.4	.7	.6	5.2	87	8.7	71	86	32	3	0	5	1
TUCSON	103	75	106	71	89	5	.4	-.1	.3	1.1	26	3.8	56	65	21	7	0	3	0
YUMA	110	88	112	86	99	6	.0	-.2	.0	T	0	.7	41	37	19	7	0	0	0
AR FORT SMITH	86	64	92	58	75	-6	1.1	.4	.9	15.8	191	37.9	146	91	49	2	0	3	1
LITTLE ROCK	86	67	92	61	76	-4	1.7	1.0	1.1	15.0	164	39.6	131	87	49	1	0	2	2
CA BAKERSFIELD	103	71	106	65	87	5	.0	.0	.0	T	6	4.2	108	51	19	7	0	0	0
EUREKA	67	57	69	55	62	4	.0	-.1	.0	.8	87	19.5	91	92	69	0	0	0	0
FRESNO	102	68	106	61	85	5	.0	.0	.0	T	0	6.3	91	65	16	7	0	0	0
LOS ANGELES	86	70	89	69	78	8	.0	.0	.0	T	0	6.2	80	85	39	0	0	0	0
REDDING	101	61	104	58	81	1	.0	-.1	.0	T	3	15.0	78	54	10	7	0	0	0
SACRAMENTO	97	60	101	55	78	3	.0	.0	.0	.0	0	6.7	63	80	18	7	0	0	0
SAN DIEGO	82	71	90	67	76	3	.0	.0	.0	.1	50	8.2	131	88	43	1	0	0	0
SAN FRANCISCO	78	55	84	54	66	3	.0	.0	.0	T	25	10.7	87	90	47	0	0	0	0
CO DENVER	88	59	97	54	74	2	.1	-.2	.1	2.0	42	7.4	66	82	24	4	0	1	0
GRAND JUNCTION	94	66	100	60	80	3	.1	-.1	.1	.3	17	3.4	55	66	21	5	0	2	0
PUEBLO	88	58	97	53	73	-1	1.5	1.0	.8	6.6	141	12.6	154	94	33	3	0	3	2
CT BRIDGEPORT	79	66	87	56	73	0	1.6	.8	1.1	5.7	61	26.0	96	88	62	0	0	4	1
HARTFORD	79	61	84	53	70	-2	2.4	1.6	1.8	12.6	136	34.2	124	93	64	0	0	4	1
DC WASHINGTON	83	68	93	65	76	-3	1.4	.5	.6	8.5	87	28.6	116	94	61	1	0	4	1
FL PANAMA CITY	83	74	85	73	79	-2	1.7	-.1	.7	18.6	88	32.7	73	96	77	0	0	5	2
DAYTONA BEACH	90	71	91	70	80	-1	2.2	.8	1.6	20.1	131	40.0	134	99	62	5	0	6	1
JACKSONVILLE	90	73	93	71	81	0	.2	-1.0	.1	24.8	169	39.1	125	96	61	6	0	4	0
KEY WEST	90	81	92	75	85	1	.1	-1.0	.1	7.4	63	18.0	80	79	66	3	0	3	0
MIAMI	90	79	91	72	85	2	.3	-1.5	.3	21.2	108	39.3	111	82	57	5	0	1	0
ORLANDO	89	72	92	71	81	-2	2.0	.5	1.0	27.7	146	42.4	129	96	57	3	0	5	1
TALLAHASSEE	87	73	90	68	80	-2	10.0	8.3	4.8	30.6	147	61.3	133	95	66	2	0	7	5
TAMPA	88	73	92	72	80	-2	1.3	-.4	.7	20.1	118	28.4	97	95	68	3	0	3	2
WEST PALM BEACH	90	76	91	73	83	0	.6	-.9	.5	19.2	105	43.2	119	89	58	4	0	2	1
GA ATLANTA	87	71	91	69	79	1	2.0	1.2	1.9	23.8	215	44.3	127	95	65	1	0	2	1
AUGUSTA	86	70	91	68	78	-2	5.2	4.2	4.2	15.4	136	32.1	102	99	65	1	0	5	2
MACON	85	70	90	66	77	-3	2.5	1.7	2.1	26.7	258	44.9	143	98	68	1	0	3	1
SAVANNAH	89	74	92	73	81	0	1.8	.1	1.5	17.3	102	34.8	100	93	64	4	0	4	1
HI HILO	86	72	87	70	79	3	1.8	-.3	.6	34.1	155	102.4	126	91	66	0	0	6	2
HONOLULU	91	79	93	78	85	4	T	-.1	T	.7	46	11.8	98	74	50	7	0	0	0
KAHULUI	89	75	90	74	82	3	T	-.1	T	1.4	144	9.0	67	79	58	1	0	0	0
LIHUE	86	78	86	77	82	2	.2	-.2	.1	3.2	64	20.2	81	82	66	0	0	3	0
ID BOISE	94	57	105	50	76	3	.0	-.1	.0	.3	24	5.0	66	50	13	7	0	0	0
LEWISTON	89	61	99	55	75	1	.0	-.2	.0	1.6	67	6.2	77	39	18	2	0	0	0
POCATELLO	94	51	97	47	72	4	.2	.1	.2	1.0	46	5.0	64	88	11	7	0	1	0
IL CHICAGO	79	60	88	55	70	-2	.3	-.7	.3	11.1	109	19.5	86	91	49	0	0	2	0
MOLINE	81	58	88	50	70	-3	1.1	.2	1.1	12.7	106	21.3	82	92	50	0	0	1	1
PEORIA	83	59	91	50	71	-2	.1	-.6	.1	4.7	46	13.6	58	91	45	1	0	2	0
QUINCY	83	59	90	51	71	-3	T	-.8	T	3.0	28	12.5	50	80	39	2	0	0	0
ROCKFORD	78	58	86	50	68	-3	1.9	.9	1.2	14.2	125	23.4	100	99	61	0	0	2	2
SPRINGFIELD	84	59	90	50	71	-2	.4	-.3	.4	9.0	99	24.6	107	90	44	2	0	1	0
IN EVANSVILLE	87	62	92	56	74	-3	.7	-.1	.7	7.1	68	21.3	69	93	46	3	0	1	1
FORT WAYNE	80	55	86	48	67	-4	.6	-.2	.6	8.6	93	21.1	93	96	51	0	0	1	1
INDIANAPOLIS	82	59	89	52	71	-3	.4	-.4	.4	9.7	93	22.3	84	90	47	0	0	2	0
SOUTH BEND	78	57	85	51	68	-3	1.7	.9	1.1	14.2	137	22.5	92	96	53	0	0	2	2
IA DES MOINES	83	59	91	51	71	-1	.0	-.9	.0	10.6	97	18.2	80	90	48	1	0	0	0
SIOUX CITY	81	57	86	48	69	-4	T	-.7	T	10.5	118	15.5	86	95	48	0	0	0	0
WATERLOO	80	56	88	47	68	-2	1.4	.6	1.4	16.0	136	23.0	99	97	54	0	0	1	1
KS CONCORDIA	87	61	92	57	74	-3	T	-.8	T	8.4	81	12.6	61	88	37	3	0	0	0
DODGE CITY	89	61	99	56	75	-3	1.3	.7	1.1	8.2	100	11.9	75	85	33	4	0	2	1
GOODLAND	86	57	97	48	72	-2	.0	-.4	.0	6.2	84	11.1	79	90	34	3	0	0	0
TOPEKA	88	60	94	50	74	-2	.5	-.4	.5	7.1	61	13.8	59	91	35	4	0	1	1
WICHITA	89	63	99	55	76	-3	1.7	.9	1.6	10.6	93	15.6	67	85	34	3	0	3	1
KY BOWLING GREEN	88	63	92	59	76	-1	2.8	2.1	2.3	12.6	112	40.3	120	94	53	2	0	2	2
LEXINGTON	85	62	89	54	73	-2	2.3	1.4	2.0	9.1	80	34.9	116	94	51	0	0	2	1
LOUISVILLE	87	63	92	57	75	0	.4	-.4	.3	5.2	50	23.6	79	88	42	3	0	2	0
LA BATON ROUGE	90	71	92	67	81	-1	1.0	-.4	.8	17.1	112	45.0	110	98	57	3	0	2	1
LAKE CHARLES	92	75	97	73	84	2	.5	-.7	.3	14.0	103	27.2	80	97	62	6	0	5	0
NEW ORLEANS	92	72	95	70	82	1	.3	-1.1	.3	19.9	124	35.0	85	96	52	7	0	1	0
SHREVEPORT	92	70	95	62	81	0	1.6	1.0	1.6	12.5	128	34.3	108	92	49	5	0	1	1

Based on 1961-90 normals.

Weather Data for the Week Ending August 20, 1994

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 Jan 1	PCT. NORMAL SINCE Jan 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
ME CARIBOU	73	54	81	48	63	0	.7	-.3	.7	11.5	120	27.0	123	82	52	0	0	1	1
PORTLAND	75	58	80	49	67	-1	2.0	1.3	1.8	5.1	61	26.3	99	94	62	0	0	3	1
MD BALTIMORE	83	66	95	61	74	-1	.9	.0	.5	9.7	98	32.5	124	93	59	1	0	3	1
SALISBURY	84	64	90	57	74	-1	2.2	1.0	1.0	7.3	64	29.4	100	96	56	1	0	4	2
MA BOSTON	81	63	91	59	72	0	2.7	2.0	2.4	7.5	94	30.8	120	84	62	1	0	4	1
CHATHAM	74	63	78	57	68	1	1.1	.4	.8	4.8	57	30.6	111	86	75	0	0	2	1
MI ALPENA	76	54	81	47	65	0	1.3	.5	.7	12.8	157	21.3	117	96	57	0	0	3	2
DETROIT	79	59	83	53	69	-2	.2	-.6	.2	10.2	114	21.9	105	92	53	0	0	2	0
FLINT	77	54	83	48	66	-3	1.2	.4	1.1	12.9	158	23.0	124	96	52	0	0	2	1
GRAND RAPIDS	77	56	83	50	67	-3	.1	-.7	.1	20.7	228	32.5	151	94	54	0	0	1	0
HOUGHTON LAKE	77	55	82	47	66	1	2.3	1.6	1.8	11.6	150	20.6	120	93	52	0	0	3	2
LANSING	77	53	84	47	65	-3	1.3	.5	1.3	13.8	170	23.5	125	99	53	0	0	2	1
MARQUETTE	71	51	80	44	61	-1	.2	-.6	.1	4.6	54	13.6	65	93	61	0	0	3	0
MUSKEGON	74	56	79	50	65	-3	.1	-.7	.0	10.9	167	21.3	116	97	58	0	0	2	0
SAULT ST. MARIE	71	53	79	41	62	-1	1.0	.2	.6	8.9	109	18.9	96	95	55	0	0	4	1
MN ALEXANDRIA	76	57	81	48	66	-3	.3	-.5	.2	5.3	56	11.4	65	94	53	0	0	2	0
DULUTH	72	53	79	48	63	-1	.2	-.7	.2	8.2	82	17.8	93	89	57	0	0	2	0
INT'L FALLS	76	53	86	46	64	0	.8	.1	.6	10.9	114	15.4	95	95	51	0	0	2	1
MINNEAPOLIS	78	57	83	47	67	-3	.2	-.6	.2	8.7	87	17.0	87	91	51	0	0	1	0
ROCHESTER	76	55	80	45	65	-3	.2	-.7	.2	11.8	113	22.2	111	95	53	0	0	2	0
MS GREENWOOD	91	69	96	63	80	0	T	-.5	T	12.2	119	31.6	88	95	51	6	0	1	0
JACKSON	89	70	92	66	80	-1	.2	-.5	.2	16.3	171	42.9	117	94	55	3	0	2	0
MERIDIAN	92	72	94	67	82	1	.9	.1	.6	17.8	159	48.2	125	94	52	6	0	3	1
MO CAPE GIRARDEAU	84	60	89	55	72	-5	1.2	.4	1.2	9.9	107	28.6	95	94	49	0	0	1	1
COLUMBIA	87	58	93	51	72	-3	T	-.7	T	4.7	49	23.1	94	89	35	3	0	1	0
KANSAS CITY	87	61	94	49	74	-2	1.2	.3	1.2	6.9	59	17.6	72	84	37	4	0	1	1
SAINT LOUIS	84	65	91	58	75	-3	.5	-.2	.3	6.0	63	22.9	94	84	46	1	0	2	0
SPRINGFIELD	84	59	92	50	71	-5	2.5	1.5	1.9	11.3	106	32.6	121	90	42	2	0	3	1
MT BILLINGS	90	59	96	54	74	4	.0	-.2	.0	4.0	114	8.8	83	50	17	4	0	0	0
GLASGOW	88	56	99	52	72	3	T	-.3	T	3.6	77	7.4	90	82	23	3	0	1	0
GREAT FALLS	87	50	96	43	68	1	.0	-.4	.0	2.8	61	7.8	70	84	18	2	0	0	0
HAVRE	89	53	100	44	71	2	T	-.3	T	4.5	113	5.4	67	85	31	3	0	0	0
HELENA	92	54	98	49	73	5	T	-.3	T	1.8	48	5.4	65	83	21	5	0	0	0
KALISPELL	88	45	96	38	67	4	T	-.3	T	2.2	52	7.1	65	84	17	3	0	0	0
MILES CITY	91	57	102	51	74	1	.1	-.2	.0	1.7	34	5.8	56	67	19	3	0	2	0
MISSOULA	93	50	99	44	71	5	T	-.3	T	2.6	75	8.7	94	83	12	6	0	0	0
NE GRAND ISLAND	84	58	92	53	71	-3	.9	.2	.9	10.4	122	16.2	90	90	44	1	0	1	1
LINCOLN	83	57	90	53	70	-5	.2	-.6	.1	10.4	112	14.8	77	95	45	1	0	2	0
NORFOLK	83	57	89	49	70	-2	T	-.5	T	17.1	183	21.8	118	90	45	0	0	1	0
NORTH PLATTE	88	56	93	51	72	0	T	-.3	T	10.4	136	13.9	92	92	38	3	0	2	0
OMAHA	84	58	92	51	71	-4	T	-.7	T	14.4	153	19.8	98	91	47	2	0	0	0
SCOTTSBLUFF	90	55	98	52	73	1	T	-.2	T	5.7	106	10.9	92	88	25	5	0	0	0
VALENTINE	89	52	100	48	71	-2	.4	-.2	.2	8.9	103	12.9	78	86	25	3	0	3	0
NV ELY	88	50	94	46	69	4	.1	-.1	.0	.4	20	5.9	89	84	22	3	0	2	0
LAS VEGAS	106	81	111	74	94	5	.1	-.1	.1	.2	24	.9	32	43	18	7	0	1	0
RENO	96	55	99	50	75	6	.0	-.1	.0	.1	10	3.2	66	78	10	7	0	0	0
WINNEMUCCA	95	50	99	44	73	3	.0	-.1	.0	.4	28	4.8	90	91	7	7	0	0	0
NH CONCORD	76	56	82	44	66	-1	1.4	.7	1.2	8.2	96	24.3	108	98	55	0	0	3	1
NJ ATLANTIC CITY	81	63	90	53	72	-1	2.5	1.5	2.0	9.4	102	31.9	121	96	65	1	0	3	1
NM ALBUQUERQUE	90	64	97	60	77	1	2.3	1.9	1.3	3.3	107	6.1	111	73	28	3	0	5	2
CLOVIS	93	64	106	58	78	4	T	-.7	T	3.9	51	8.4	72	80	28	4	0	0	0
ROSWELL	96	70	106	67	83	4	.2	-.4	.2	.4	7	5.3	69	72	28	6	0	2	0
NY ALBANY	75	58	83	47	66	-3	2.3	1.5	1.3	10.8	120	26.9	117	94	66	0	0	3	2
BINGHAMTON	72	57	81	48	64	-3	2.1	1.4	.9	15.8	170	31.7	136	96	67	0	0	3	3
BUFFALO	77	59	86	52	68	-1	.8	-.2	.4	9.1	98	23.6	103	86	52	0	0	2	0
NEW YORK	83	68	91	64	76	0	1.5	.6	.7	9.5	94	30.2	111	85	55	1	0	4	1
ROCHESTER	80	60	89	53	70	2	1.0	.2	.6	6.0	76	18.6	94	88	50	0	0	2	1
SYRACUSE	77	59	85	53	68	0	2.0	1.2	.9	8.3	84	27.0	114	91	57	0	0	3	2
NC ASHEVILLE	79	64	83	59	71	-1	5.2	3.8	3.3	18.5	137	41.5	114	100	68	0	0	6	3
CHARLOTTE	85	68	91	65	76	-2	4.9	4.1	2.2	12.2	125	27.0	96	96	63	1	0	6	3
GREENSBORO	82	66	88	61	74	-2	2.7	1.8	1.3	12.8	117	27.1	97	98	68	0	0	5	2
HATTERAS	86	74	90	69	80	1	6.8	5.4	3.4	15.7	121	39.1	114	94	71	1	0	7	3
NEW BERN	87	72	91	68	79	1	3.8	2.3	1.7	9.0	54	26.0	70	98	64	2	0	5	3
RALEIGH	85	69	90	65	77	0	2.3	1.4	1.5	10.1	98	26.2	94	98	68	1	0	4	1
WILMINGTON	87	72	90	70	80	1	3.3	1.7	1.4	12.3	75	34.4	93	98	64	1	0	7	2
ND BISMARCK	87	53	95	39	70	2	.1	-.3	.1	5.2	87	8.5	74	91	34	3	0	2	0
FARGO	80	56	86	44	68	-1	.4	-.2	.4	10.2	143	15.9	117	92	47	0	0	1	0
GRAND FORKS	82	56	88	47	69	2	.6	.0	.6	11.4	160	15.5	122	92	42	0	0	2	1
WILLISTON	87	55	99	42	71	2	.1	-.1	.1	5.8	111	12.0	118	90	27	2	0	3	0
OH AKRON-CANTON	78	58	83	50	68	-3	4.7	4.0	3.7	13.0	137	31.0	129	94	55	0	0	2	2
CINCINNATI	82	60	86	51	71	-2	1.8	1.0	.9	12.7	123	28.3	102	95	53	0	0	2	2
CLEVELAND	78	58	84	52	68	-2	.4	-.4	.3	10.1	107	20.2	87	94	57	0	0	2	0
COLUMBUS	82	60	89	50	71	1	1.0	.2	.6	9.6	97	22.3	90	93	51	0	0	2	1
DAYTON	83	58	90	49	71	-2	.3	-.4	.3	9.2	96	24.4	99	96	55	1	0	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending August 20, 1994

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 Jan 1	PCT. NORMAL SINCE Jan 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
TOLEDO	77	55	83	49	66	-4	.4	-.4	.4	8.7	95	21.4	101	96	53	0	0	1	0
YOUNGSTOWN	77	56	84	47	67	-2	1.7	1.0	1.1	10.7	106	26.7	111	95	56	0	0	3	2
OK OKLAHOMA CITY	91	65	98	53	78	-3	1.1	.5	.8	4.0	47	16.0	73	85	35	4	0	3	1
TULSA	88	63	94	53	76	-6	2.6	1.9	1.6	17.4	185	33.0	129	92	44	3	0	2	2
OR ASTORIA	71	54	72	53	63	2	T	-.3	T	4.5	103	36.0	98	97	63	0	0	1	0
BURNS	88	46	96	42	67	3	.0	-.2	.0	.5	30	2.9	48	52	12	2	0	0	0
MEDFORD	88	55	92	50	71	-1	.0	-.1	.0	.3	29	5.1	52	91	22	3	0	0	0
PENDLETON	85	58	93	53	71	-1	.0	-.1	.0	1.2	88	8.0	111	54	21	1	0	0	0
PORTLAND	82	59	85	57	70	2	.0	-.3	.0	1.8	66	14.6	73	83	33	0	0	0	0
SALEM	81	53	82	51	67	0	.0	-.2	.0	1.2	51	16.0	75	88	31	0	0	0	0
PA ALLENTOWN	80	63	88	52	72	0	2.2	1.3	1.7	13.9	131	34.1	123	94	64	0	0	3	1
ERIE	76	61	86	54	69	-1	1.2	.2	.7	12.9	128	26.7	110	91	55	0	0	2	1
HARRISBURG	79	64	87	53	72	-3	2.2	1.5	2.1	12.7	127	33.5	128	93	61	0	0	3	1
PHILADELPHIA	83	68	90	61	75	2	1.9	1.0	1.0	14.9	130	35.4	120	89	60	1	0	3	2
PITTSBURGH	78	59	85	50	69	-2	1.7	1.0	1.3	11.4	120	28.8	117	89	56	0	0	4	1
SCRANTON	75	59	83	50	67	-3	3.4	2.6	1.6	11.1	112	27.0	115	97	66	0	0	3	3
RI PROVIDENCE	78	61	86	54	70	-2	1.5	.7	1.2	7.9	89	27.9	99	92	65	0	0	4	1
SC CHARLESTON	88	73	90	70	81	0	2.5	.8	1.2	24.4	135	40.2	112	93	62	1	0	5	1
COLUMBIA	87	71	92	70	79	-1	3.1	1.7	1.6	19.5	136	34.5	99	96	60	1	0	5	3
FLORENCE	89	71	90	68	80	0	2.4	1.3	1.1	12.9	96	28.0	92	97	61	2	0	7	1
GREENVILLE	83	67	86	64	75	-2	4.2	3.3	3.2	22.0	183	38.2	112	96	67	0	0	4	2
SD ABERDEEN	79	53	84	43	66	-4	T	-.6	T	9.9	117	14.2	91	94	51	0	0	2	0
HURON	80	55	87	45	68	-4	T	-.4	T	9.2	125	15.6	103	94	51	0	0	1	0
RAPID CITY	91	57	98	52	74	3	.4	.0	.4	1.9	30	6.0	48	70	22	5	0	1	0
SIOUX FALLS	81	56	87	47	69	-3	.1	-.6	.1	10.3	130	16.7	103	96	53	0	0	1	0
TN CHATTANOOGA	86	69	89	66	78	0	3.4	2.6	1.7	23.5	220	57.4	163	98	63	0	0	5	3
KNOXVILLE	84	67	89	64	76	-1	1.7	1.0	.9	15.4	143	54.0	169	99	64	0	0	5	1
MEMPHIS	89	68	94	65	79	-2	1.1	.4	1.1	11.0	115	34.8	104	86	46	4	0	1	1
NASHVILLE	88	67	91	65	78	-1	1.3	.5	1.0	15.4	157	43.1	138	90	50	1	0	2	1
TX ABILENE	96	72	103	62	84	1	T	-.6	T	.6	9	15.0	99	82	30	6	0	1	0
AMARILLO	89	60	104	54	74	-2	.5	-.3	.4	7.7	92	12.6	90	88	34	4	0	2	0
AUSTIN	97	75	98	72	86	1	1.8	1.4	1.8	8.8	127	19.5	97	90	41	7	0	1	1
BEAUMONT	93	74	96	72	83	1	1.9	.7	.9	17.3	121	43.5	124	100	60	7	0	3	2
BROWNSVILLE	92	76	95	73	84	-1	T	-.6	T	6.6	108	12.8	93	94	52	5	0	2	0
CORPUS CHRISTI	96	75	97	72	86	1	.0	-.7	.0	4.2	55	15.9	92	93	45	7	0	0	0
DEL RIO	100	76	102	73	88	5	.0	-.6	.0	5.6	88	15.2	98	80	41	7	0	0	0
EL PASO	100	74	106	71	87	7	T	-.4	T	.9	27	3.0	61	45	19	6	0	0	0
FORT WORTH	97	73	103	68	85	2	.6	.1	.6	7.0	104	21.5	94	88	42	6	0	1	1
GALVESTON	92	81	95	79	87	3	.2	-.8	.1	6.6	60	15.8	64	84	64	7	0	2	0
HOUSTON	96	76	101	74	86	3	1.4	.5	1.3	9.5	73	23.9	74	97	56	7	0	2	1
LUBBOCK	93	67	103	59	80	2	.1	-.4	.1	2.7	41	10.5	88	85	37	5	0	2	0
MIDLAND	97	70	104	62	83	3	T	-.4	T	3.8	91	6.2	72	85	27	6	0	0	0
SAN ANGELO	100	73	104	67	86	4	.4	.0	.4	1.8	40	8.1	68	83	28	7	0	1	0
SAN ANTONIO	100	76	101	73	88	3	T	-.6	T	4.2	56	20.7	107	84	34	7	0	0	0
VICTORIA	95	75	96	73	85	2	1.4	.6	1.4	10.7	97	24.2	91	93	46	7	0	1	1
WACO	99	74	102	72	86	1	.6	.2	.6	3.1	50	19.4	97	85	35	7	0	1	1
WICHITA FALLS	97	70	105	60	84	0	T	-.6	T	.4	5	6.6	33	80	28	6	0	1	0
UT CEDAR CITY	92	61	96	54	76	4	.1	-.2	.1	.7	27	4.5	62	73	21	4	0	2	0
SALT LAKE CITY	97	68	100	62	83	7	T	-.2	T	.5	20	8.2	78	65	22	7	0	0	0
VT BURLINGTON	77	59	82	50	68	0	1.3	.3	.7	11.7	120	26.0	122	88	57	0	0	3	2
VA NORFOLK	86	72	93	67	79	2	1.0	-.1	.6	19.3	159	41.4	139	90	62	1	0	3	1
RICHMOND	84	67	92	62	75	-2	1.8	.8	1.0	11.5	99	32.1	113	93	47	1	0	5	2
ROANOKE	83	66	90	61	74	0	3.3	2.3	1.9	12.9	132	35.8	137	92	59	1	0	3	2
WA QUILLAYUTE	71	53	73	51	62	2	.4	-.2	.3	6.4	89	55.6	95	98	62	0	0	2	0
SEATTLE-TACOMA	77	58	79	56	67	2	T	-.3	T	1.8	62	15.7	79	88	43	0	0	0	0
SPOKANE	85	54	96	52	69	1	T	-.2	T	1.0	40	6.2	62	84	19	1	0	1	0
YAKIMA	87	51	95	46	69	0	.0	-.1	.0	.6	69	4.2	93	82	24	1	0	0	0
WV BECKLEY	75	59	80	55	67	-2	2.3	1.6	1.5	15.6	145	40.0	146	95	67	0	0	3	2
CHARLESTON	80	61	87	56	70	-4	3.2	2.3	2.2	12.7	113	40.2	143	98	65	0	0	3	2
HUNTINGTON	81	61	87	56	71	-1	.9	.0	.8	10.0	89	35.3	123	95	58	0	0	3	1
PARKERSBURG	78	58	86	50	68	-6	.6	-.3	.6	12.3	113	36.9	131	99	64	0	0	2	1
WI GREEN BAY	76	57	84	49	66	-1	.8	.0	.8	11.0	127	22.4	123	94	63	0	0	2	1
LACROSSE	78	57	82	49	67	-3	--	--	--	--	--	--	--	96	51	0	0	-	-
MADISON	78	56	82	49	67	-2	.9	.1	.8	13.8	136	22.3	107	92	54	0	0	3	1
MILWAUKEE	80	62	84	58	71	1	.7	-.1	.4	9.6	107	19.6	93	84	53	0	0	3	0
WAUSAU	74	55	82	47	65	-2	.6	-.4	.4	7.5	71	14.7	71	93	54	0	0	2	0
WY CASPER	92	56	95	51	74	5	T	-.1	T	3.7	116	6.6	74	91	15	5	0	0	0
CHEYENNE	85	54	91	49	69	3	T	-.4	T	4.8	90	10.4	96	91	22	2	0	0	0
LANDER	89	57	93	53	73	4	T	-.1	T	.8	30	5.2	56	50	14	3	0	0	0
SHERIDAN	91	54	98	48	72	4	T	-.2	T	3.4	94	9.5	95	70	18	4	0	0	0

Based on 1961-90 normals.

National Agricultural Summary

August 15 - 21, 1994

HIGHLIGHTS: Producers remained uneasy about soil dryness in parts of the Corn Belt where scanty, uneven rain fell but did not replenish the soil moisture. Scattered rains late in the week left dry pockets, lowering some row crop conditions. Crop damage from thunderstorms and hail in northeastern Iowa was reported, while in Illinois, the continued dryness caused concern over soybeans losing blooms and aborting pods. Warmer weather in the Great Lakes region improved crop progress for the row crops, but continued warm weather is needed to mature the row crops and prepare them for harvest. Rain fell along the eastern seaboard early in the week, leaving soils saturated and hampering field activities. In the Southeastern States, sunshine and dry weather was needed for the cotton crop. The heat wave in the Western States continued, where the hot, dry weather caused worsening soil moisture shortages, and irrigation water shortages remained a concern. Some cotton in the southern Great Plains received much-needed rain, but the scattered showers did not cover the bulk of the cotton-growing region. Clear weather in the northern and central Great Plains region allowed the small grain harvest to advance.

SMALL GRAINS: Spring wheat harvested was 46 percent(%) complete, up 17 percentage points from last week but 6 points behind the 5-year average. The wheat harvested in Montana advanced 25 points from last week, while the wheat harvest was 27 points ahead of the average. North Dakota's wheat harvest advanced 17 points from last week but was 18 points behind the average. The condition for spring wheat was mostly good, down slightly from last week, with 59% of the spring wheat crop rated good to excellent.

FIELD CROPS: Corn condition was mostly good, virtually unchanged from last week, with 81% of the corn rated as good to excellent. Corn condition declined in Missouri from last week, with 46% of the corn rated as excellent this week compared to 55% last week. Corn in the dough stage for the 17 major producing States was 77%, up 18 points from last week and 16 points ahead of the average. Ohio and Iowa increased corn doughing by 30 points from last week, with Iowa 35 points ahead of the average. Corn was 33% dented, up 16 points from last week and 7 points ahead of the average. Nebraska corn dented was up 32 points from last week, and was 28 points ahead of the average, while Indiana was 5 points behind the average.

Cotton condition was down from last week for the 14 major producing States, with 56% of the cotton crop rated as good to excellent compared with 62% for last week. The cotton condition for Texas dropped from last week, with 12% of the crop rated as poor compared to 7% last week. Bolls opening were 16% complete, up 6 points from last week and 1 point ahead of the average. Georgia and Louisiana reported bolls opening at 8 and 7 points behind the average, respectively. Cotton producers in Georgia reported that dry weather and sunshine were needed. Louisiana producers were preparing for the cotton harvest and spraying for weevils. In the Texas plains, irrigation was constant with some fields shedding fruit following the hot and dry conditions from previous weeks.

Sorghum condition in the 12 States was down from last week, with 61% of the sorghum reported as good to excellent. Sorghum condition declined in Kansas and Mississippi from lack of soil moisture. Sorghum headed was 93% for the week, 6 points ahead of last week and 14 points ahead of the average. Sorghum headed was 30 points ahead of the average in Kansas, while Nebraska was 17 points ahead. Sorghum turning color at 46% was 10 points ahead of last week and the average for the 12 major producing States. The sorghum harvest was nearing completion in southern Texas, while fields in the plains showed signs of heat and dry-soil stress.

Rice condition was mostly good, up slightly from last week. Rice headed was 93%, up 9 points from last week and 14 points ahead of the average. Rice harvested was 15% complete, up 5 points from last week and matching the average for the five major producing States. Arkansas reported rice headed at 95%, 22 points ahead of the average, while rice harvested was 1 point behind the average.

Soybean condition was down from last week, with 71% of the soybean crop rated as good to excellent compared with 79% last week. Soybean condition rated good to excellent in Illinois at 63%, compared to 78% last week. Soybeans setting pods were reported at 88% for the 19 major producing States, 9 points ahead of last week and 12 points ahead of the average. Ohio and Missouri increased over 25 points from last week for setting pods, while Michigan and Kansas both increased 15 points from last week. In Kansas and Missouri, bean development was reported limited by the dry conditions.

Crop Condition

for the Week Ending August 21, 1994

SORGHUM

State	VP	P	F	G	EX
AR	0	0	19	65	16
CO	0	8	27	48	17
IL	0	4	41	55	0
KS	0	3	26	66	5
LA	0	2	40	58	0
MS	0	0	24	64	12
MO	2	4	52	36	6
NE	0	1	12	71	16
NM	0	47	33	20	0
OK	0	7	26	67	0
SD	0	15	4	69	12
TX	0	12	45	40	3
12 State	0	7	32	55	6
Prev Week	0	2	34	56	8
Prev Year	1	5	36	49	9

CORN

State	VP	P	F	G	EX
CO	1	2	20	61	16
GA	0	2	7	77	14
IL	0	0	27	58	15
IN	1	4	26	60	9
IA	0	0	1	62	37
KS	0	1	16	69	14
KY	1	1	21	60	17
MI	3	7	20	50	20
MN	1	2	16	63	18
MO	3	8	43	40	6
NE	0	2	8	65	25
NC	3	5	31	55	6
OH	1	5	23	53	18
PA	0	3	10	44	43
SD	0	2	10	61	27
TX	0	0	23	76	1
WI	0	0	5	49	46
17 State	1	2	16	59	22
Prev Week	1	2	14	59	24
Prev Year	3	14	31	44	8

COTTON

State	VP	P	F	G	EX
AL	0	4	41	55	0
AZ	0	0	10	80	10
AR	0	0	34	66	0
CA	0	0	0	85	15
GA	0	0	25	72	3
LA	0	0	23	65	12
MS	0	3	57	39	1
MO	0	0	30	60	10
NM	0	0	29	50	21
NC	0	0	19	73	8
OK	0	0	57	19	24
SC	0	0	23	77	0
TN	0	0	1	98	1
TX	0	12	53	30	5
14 State	0	6	38	50	6
Prev Week	0	3	35	54	8
Prev Year	0	7	39	49	5

RICE

State	VP	P	F	G	EX
AR	0	0	0	100	0
CA	0	0	0	90	10
LA	0	0	55	45	0
MS	0	0	24	68	8
TX	0	0	0	65	35
5 State	0	0	14	80	6
Prev Week	0	0	16	78	6
Prev Year	0	1	20	78	1

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	20	68	12
AR	0	0	41	59	0
GA	0	0	12	74	14
IL	0	1	36	54	9
IN	1	3	29	63	4
IA	0	0	4	64	32
KS	0	5	40	52	3
KY	0	4	25	66	5
LA	0	4	43	49	4
MI	1	4	25	50	20
MN	1	3	24	60	12
MS	0	3	25	63	9
MO	3	9	51	33	4
NE	0	1	11	64	24
NC	0	0	27	67	6
OH	1	6	23	51	19
SC	0	0	32	68	0
SD	0	0	4	73	23
TN	0	2	11	85	2
19 State	1	2	26	58	13
Prev Week	0	2	19	65	14
Prev Year	2	12	39	41	6

SPRING WHEAT

State	VP	P	F	G	EX
ID	1	11	24	52	12
MN	0	14	49	35	2
MT	2	7	23	45	23
ND	1	7	28	56	8
SD	1	2	46	48	3
5 State	1	7	33	50	9
Prev Week	2	6	31	53	8
Prev Year	2	12	37	42	7

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

Crop Progress

for the Week Ending Aug. 21, 1994

SPRING WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
ID	64	47	5	42
MN	41	33	16	61
MT	51	26	0	24
ND	34	17	9	52
SD	91	79	53	80
5 States	46	29	14	52

These 5 States produced 97% of the 1993 spring wheat crop.

GRAIN SORGHUM HEADED

	Current	Last Wk	1993	Avg.
AR	97	96	90	89
CO	60	55	57	62
IL	92	86	84	82
KS	95	85	70	65
LA	100	98	95	95
MS	100	100	96	95
MO	96	90	78	83
NE	100	97	73	83
NM	65	47	69	77
OK	83	72	77	70
SD	93	78	52	67
TX	93	91	90	89
12 States	93	87	78	79

These 12 States produced 98% of the 1993 grain sorghum crop.

GRAIN SORGHUM COLORING

	Current	Last Wk	1993	Avg.
AR	76	63	49	59
CO	6	4	6	8
IL	36	19	9	28
KS	25	15	5	10
LA	86	72	76	79
MS	86	74	71	69
MO	50	34	25	35
NE	26	9	3	14
NM	4	0	5	9
OK	40	22	25	29
SD	25	9	3	17
TX	75	71	77	72
12 States	46	36	33	36

These 12 States produced 98% of the 1993 grain sorghum crop.

RICE HEADED

	Current	Last Wk	1993	Avg.
AR	95	86	71	73
CA	80	55	75	68
LA	94	88	85	90
MS	96	94	66	81
TX	100	100	89	97
5 States	93	84	76	79

These 5 States produced 96% of the 1993 rice crop.

RICE HARVESTED

	Current	Last Wk	1993	Avg.
AR	3	0	0	2
CA	0	0	0	0
LA	41	35	42	46
MS	3	0	2	2
TX	47	34	24	45
5 States	15	10	11	15

These 5 States produced 96% of the 1993 rice crop.

SOYBEANS SETTING PODS

	Current	Last Wk	1993	Avg.
AL	56	51	54	55
AR	71	58	46	46
GA	79	65	61	67
IL	91	88	76	87
IN	95	86	89	88
IA	100	98	70	89
KS	90	75	70	70
KY	51	42	49	45
LA	85	74	82	72
MI	75	60	70	70
MN	98	96	47	85
MS	81	72	52	59
MO	83	65	57	66
NE	100	96	74	82
NC	53	40	47	46
OH	97	71	84	81
SC	52	30	42	43
SD	98	87	53	79
TN	51	42	62	52
19 States	88	79	67	76

These 19 States produced 95% of the 1993 soybean crop.

COTTON BOLLS OPENING

	Current	Last Wk	1993	Avg.
AL	6	2	8	11
AZ	61	45	58	51
AR	4	1	0	2
CA	10	5	10	10
GA	4	2	19	12
LA	14	5	10	21
MS	25	6	6	16
MO	4	2	3	4
NM	11	0	6	7
NC	15	7	6	10
OK	3	2	5	1
SC	2	1	12	9
TN	1	0	5	4
TX	20	16	24	18
14 States	16	10	16	15

These 14 States produced 99% of the 1993 cotton crop.

CORN DOUGHING

	Current	Last Wk	1993	Avg.
CO	55	39	32	38
GA	100	100	100	100
IL	85	78	68	79
IN	86	66	77	77
IA	78	48	13	43
KS	95	85	70	80
KY	92	85	92	84
MI	20	10	15	20
MN	50	24	7	45
MO	93	80	59	91
NE	96	83	48	69
NC	93	88	89	91
OH	87	57	65	65
PA	56	30	37	37
SD	71	47	18	48
TX	94	90	90	93
WI	52	32	21	37
17 States	77	59	44	61

These 17 States produced 91% of the 1993 corn crop.

CORN DENTING

	Current	Last Wk	1993	Avg.
CO	25	0	2	7
GA	100	98	99	98
IL	37	21	21	36
IN	22	9	16	27
IA	30	12	0	16
KS	55	30	35	40
KY	55	48	57	50
MI	5	0	0	5
MN	8	2	0	9
MO	68	46	23	51
NE	49	17	7	21
NC	82	77	77	79
OH	24	8	12	22
PA	7	0	7	8
SD	19	10	1	15
TX	81	66	74	81
WI	10	5	4	10
17 States	33	17	14	26

These 17 States produced 91% of the 1993 corn crop.

(Continued from front cover)
Although widespread flooding occurred along Beryl's path, major flooding, like that observed with Tropical Storm Alberto's remnants in early July, was averted due to the storm's acceleration after landfall. Rainfall included 9.26 inches on Monday in **Apalachicola, FL**. **Tallahassee, FL** recorded 6.39 inches in 24 hours on August 15-16. For the 24 hours ending at 8 a.m. EDT on August 17, local rainfall topped 6 inches from **northeastern Georgia** to **southwestern Virginia**. With amounts boosted by Beryl and its remnants, weekly rainfall included 10.03 inches in **Tallahassee, FL**, 5.23 inches in **Asheville, NC**, 5.20 inches in **Augusta, GA**, and 4.22 inches in **Greenville, SC**. Weekly totals surpassed 3 inches in locations such as **Roanoke, VA**, **Charleston, WV**, and **Scranton, PA**.

Farther west, heavy thunderstorms pounded **north-central New Mexico** with up to 2 inches of rain on August 14-15, the only notable relief in an otherwise hot, dry week for the **Southwest** and **interior Northwest**. **El Paso, TX** hit 100°F on Saturday, the 56th such occurrence this year, breaking the record of 55 days set in 1980. **Midland, TX** reached the 100-degree plateau for the 31st time on Friday, third on the all-time list behind 1964 (52 days) and 1977 (43 days). **Roswell, NM**, with 104°F on Friday, set its third consecutive daily record high. Farther north, **Salt Lake City, UT** registered 100°F on Tuesday, a record-setting seventh triple-digit reading in August, and a record-tying (with 1960) 21st day of 100-degree heat this year. On August 17, **Grand Junction, CO** measured its latest 100-degree reading on record. **Boise, ID** reached 90°F or above on each day during the week (including 105°F on August 14), stretching their record-setting heat wave to 44 days (the streak ended with a high of 89°F on August 21). The former record of 40 days was set in 1961. The 100-degree heat crept as far east as **eastern Montana** early in the week, where **Miles City** peaked at 102°F on Monday. Heat also spread into **western Oklahoma** and much of **Texas**. **Houston, TX** recorded 101°F on Monday, while **Gage, OK** registered 104°F on Wednesday and Friday. In contrast, an unseasonable chill cloaked the **eastern Plains** and the **Midwest**. Daily record lows on Monday included 45°F in **Spencer, IA** and 51°F in **Omaha, NE**. A day later, a low of 53°F in **Tulsa, OK** came within 1°F of their August record low. Also on Tuesday, **Kansas City, MO** (49°F) marked its earliest ever sub-50°F reading.

The late-week cold front cooled the **southern Plains** and reinforced the cool pattern across the **Midwest** and **east-central Plains**. Heavy rain developed in the **Ozark Plateau** and adjacent areas on Friday and spread southward on Saturday. Rainfall totaled 2.63 inches in **Tulsa, OK** and 2.50 inches in **Springfield, MO**. Widespread light rains dampened the **Corn Belt** from **Wisconsin** and **Illinois** eastward. By week's end, rainfall intensified along the front from **western Pennsylvania** southwestward through the **Tennessee Valley** and into **eastern Texas**.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.62 to 3.32 in. north; 0.54 to 3.15 in. central; 0.06 to 2.43 in. south. Temperatures 0 to 4° below normal statewide. Lows 57 to 64° north; 58 to 69° central; 61 to 73° south. Highs 86 to 91° north; 89 to 94° central; 88 to 95° south.

Days suitable for fieldwork 5.5. Soil moisture 10% short, 75% adequate, 15% surplus. Corn dented 89%, 89% 1993, 94% avg.; mature 63%, 63% 1993, 72% avg.; harvested 20%, 23% 1993, 33% avg.; 8% poor, 15% fair, 61% good, 16% excellent. Sorghum harvested 6%, 8% 1993, 13% avg.; turning color 33%, 28% 1993, na avg.; 11% poor, 19% fair, 61% good, 9% excellent. Peanut 42% poor, 48% fair, 10% good. Pasture feed 18% fair, 59% good, 23% excellent. Livestock 8% fair, 83% good, 9% excellent. Seasonal activities: Planting, harvesting vegetables, spraying fields for insects, weeds, soil sampling, ground preparation.

ALASKA: Most areas received some light rainfall by weekend, not enough to relieve droughty conditions. Near freezing temperatures were recorded 15th and 19th in Kenny Lake, Clearwater respectively.

Days suitable for fieldwork 5. Barley 90% ripe, 5% swathed, 65% harvested; 1993 65% ripe, harvest 25% complete. Oats 65% ripe, 5% swathed, 5% harvested; harvest 20% 1993. Second crop hay harvest 5% complete, 5% behind 1993. Many growers anticipate a light second cut due to a very dry summer. Commercial vegetable harvest continues. Topsoil moisture 85% short, 15% adequate. Subsoil moisture supplies were 75% short, 25% adequate.

ARIZONA: Temperatures 1 to 6° above normal. Extremes 48°; 100° higher elevations, 61°; 113° deserts. Measurable precipitation reported at all reporting stations except Yuma; trace to 1.70 in.

Pest pressure being handled well by growers, condition remains mostly good; opening bolls 61%, 58% 1993, 51% avg. Weed infestations light to moderate; insect, disease infestations reported moderate. Alfalfa condition good. Harvest moderate to active. Weed, insect, disease infestations light to moderate. Vegetables harvested from central areas included cantaloupe, chili pepper. Crops available eastern areas were apples, watermelon, chili peppers.

ARKANSAS: Temperatures averaged below normal with scattered showers, thunderstorms. Extreme 47°; 97°. Precipitation 0.29 to 4.39 in.

Days suitable for fieldwork 7. Soil moisture 73% short, 27% adequate. Crop development ahead of schedule. Producers irrigating cotton, soybeans. Producers starting to harvest rice, sorghum, corn. Peaches, tomatoes, watermelons good with harvest ongoing. Corn 2% fair, 77% good, 21% excellent. Alfalfa 60% fair, 40% good. Other hay 11% poor, 32% fair, 55% good, 2% excellent. Pasture feed 2% very poor, 9% poor, 47% fair, 32% good, 10% excellent. Little River County reported cases of blackleg in cattle herds. Pope County reported cases of anaplasmosis in cattle herds. Livestock good.

CALIFORNIA: High pressure over west brought hot, dry weather. Temperatures above normal all areas. No rainfall reported.

Open weather permitted good progress field activities. Straw baled small grain fields. Rice excellent growth; development ahead normal. Few fields drained, preparation harvest; others sprayed weeds, water grass. Cotton grew well; bolls opening most areas. Fields irrigated, treated aphids, lygus, pink bollworm, whitefly. Defoliation ongoing desert areas. Corn cut silage, sprayed aphids, mites, worms. Dry beans, safflower, seed alfalfa, sunflowers, sugarbeets harvested. Planting new crop sugarbeets began San Joaquin Valley. Dry beans treated insects. Alfalfa, sudan grass cut for hay, greenchopped. Some alfalfa sprayed worms. Harvest of peaches, plums, nectarines, almonds, prunes, table grapes, wine grapes, apples, grapefruit, Valencia oranges continued. Raisin grape harvest began Fresno County. Some walnut orchards prepared for harvest. Scale treatments olive groves. Coachella lemon harvest began. Central coast broccoli, cabbage, cauliflower, celery harvests normal. Ground preparation fall broccoli underway central valley. Carrot ground treated for planting Kern County, planting Riverside County. Head, Leaf, Romaine lettuce harvested. Fall lettuce planted Fresno County. Harvest cantaloupe, honeydew, watermelons continued central valley. Melons planted Riverside County. Palo Verde Valley melons damaged by whitefly. Dry onion harvest Riverside County completed. Peppers harvested San Joaquin Valley. Fall potatoes Tulelake-Butte Valley growing well. Summer potatoes harvested San Joaquin Valley; winter potatoes planted Riverside County. Pumpkins growing rapidly, setting fruit Tulare County. Sweet corn picked San Joaquin, Coachella valleys. Early sweet potato harvest under way San Joaquin Valley. Spices, herbs harvested central, desert valleys. Processing, fresh market tomato harvests active Sacramento, San Joaquin valleys. Fall fresh market tomato fields irrigated, thinned, weeded central valley. Other crops harvested: garlic, squash, eggplant, cucumbers, green beans, tomatillos, various oriental vegetables. Pasture, range conditions mostly fair to poor; rangelands continued to deteriorate. Degree of supplemental feeding variable, generally increased. Water supplies below normal. Moderate livestock movement. Calving some areas. Cattle, sheep good condition. Bees active late melon fields.

COLORADO: High pressure remained over the State during the first part of the week, with temperatures above normal. A cold front moved across the State on the 19th resulting in significantly cooler weather on the 19th, 20th. Temperatures returned to near normal on the 21st. Precipitation amounts were generally less than 0.10 in. mountains, northeast, as isolated thunderstorms developed. Dry elsewhere. On the 19th an upper level disturbance triggered thunderstorms in the western parts of the State. In the southeast radar estimates of over 2.00 in. of rain were indicated with several areas in the mountains, northeast reporting between 0.25 to 0.50 in.

Days suitable for fieldwork 5.7. Soil moisture 16% very short, 42% short, 41% adequate, 1% surplus. Alfalfa second cutting 83% complete, 76% 1993, 71% avg.; third cutting 22% complete, 17% 1993, 14% avg.; 1% very poor, 11% poor, 34% fair, 47% good, 7% excellent. Spring barley 70% harvested, 62% 1993, 60% avg. Dry beans 3% cut, 1% 1993, 3% avg.; 1% very poor, 8% poor, 14% fair, 71% good, 6% excellent. Oats 79% harvested, 64% 1993, 60% avg. Dry onions 32% harvested, 17% 1993, 22% avg.; 1% poor, 17% fair, 53% good, 29% excellent. Sugarbeets 2% poor, 16% fair, 66% good, 16% excellent. Spring wheat 75% harvested, 15% 1993, 28% avg. Summer potatoes 43% harvested, 45% 1993, 30% avg.; 21% fair, 79% good. Fall potatoes 8% poor, 15% fair, 65% good, 12% excellent. Corn, small grains are maturing much earlier than normal. Heavy rain in some areas came to fast to really soak soil. Livestock fair to good. Pasture, range feed conditions are very poor over most of the State, except in the southeast where conditions are rated poor to fair.

FLORIDA: Temperatures normal to 2° below normal. Highs; low to middle 90s. Lows; low, middle 70s. One to 7 days of rain. Rain totals mostly between 1.00 to 3.00 in., locally over 8.00 in. Big Bend.

Soil moisture surplus most of north, adequate west Panhandle. Tropical Storm Beryl's heavy rains flooded low spots in some fields, made weed control difficult. Cotton crop hurt by Beryl recovered somewhat, fruiting well. Early variety peanut harvesting started. Much of peanut harvest delayed due to wet conditions. Tobacco harvest approaching end of season. Growers trying to catch up hay harvesting. Sugarcane growth continues good. Citrus very good to excellent condition. Moisture adequate to surplus, abundant new growth. Some fruit splitting in wet areas. Testing continues on grapefruit to be used for fresh packing. Caretakers cutting cover crops, fertilizing, pushing dead trees, planting new trees. Heavy rain hampered fieldwork North, East Coast. Crop conditions generally good. Central/Zellwood celery, sweet corn planting started. Growers preparing fields for fall carrots, leaf crops. East Coast tomato transplanting increasing, though thunderstorms caused delays. Ground preparation, laying plastic for cucumbers, eggplant. Cucumbers seeding to increase. Early seeded pepper fields showed good start, growers thinned stands. Pepper transplanting gained momentum. Southwest, light planting of fall tomatoes begun with plant condition good. Pasture feed 10% fair, 60% good, 30% excellent. Hay making slowed by frequent showers. Cattle herds good to excellent.

GEORGIA: Tropical Storm Beryl moved through State on 16th, resulting in widespread rains of 2.00 to 4.00 in., locally heavier over northeast. Scattered showers midweek into weekend, more numerous late in weekend, 21st. Rainfall 2.50 in. to over 5.00 in. common. Main exceptions extreme northwest, southeast. Heaviest rain 9.30 in. near Elberton, 9.10 in. Rabun County. Temperatures 1 to 4° below normal, except 1 or 2° above normal southeast. Hottest: from the mid 80s mountains, to low 90s south. Coolest temperatures upper 50s to low 60s extreme north, to only low 70s southeast.

Days suitable for fieldwork 2.8. Soil moisture 33% adequate, 67% surplus. Corn 96% mature, 96% 1993, 93% avg.; 26% harvested for grain, 24% 1993, 32% avg.; harvest delayed by rain. Cotton needs sunshine, dry weather. Sorghum 10% fair, 86% good, 4% excellent; 4% harvested for grain, 3% 1993, 2% avg. Peanuts 1% poor, 29% fair, 68% good, 2% excellent; 0% dug, 0% 1993, 1% avg.; harvest just underway, diseases forcing early digging. Soybeans 95% blooming, 91% 1993, 91% avg.; 2% dropping leaves, 0% 1993, 1% avg.; weeds are problems, insects increasing. Tobacco 4% poor, 39% fair, 54% good, 3% excellent; 90% harvested, 74% 1993, 85% avg. Other vegetables 10% poor, 46% fair, 44% good. Apples 12% very poor, 30% fair, 58% good; 15% harvested, 16% 1993, 28% avg. Pecans 11% poor, 41% fair, 48% good; diseases causing drop. Hay 3% poor, 27% fair, 63% good, 7% excellent; harvest nearly impossible. Pasture feed 6% fair, 75% good, 19% excellent. Cattle, hogs good. Activities: Harvesting corn, spraying pesticides between showers, preparing equipment, watching it rain.

HAWAII: Weather was hot, humid. Shower activities light, confined to windward, higher elevations. Temperatures low 70s to low 90s, record highs several days. Rainfall none to 2.40 in.

Most crops made fair to good progress during the week. High temperatures slowed progress some vegetable crops. Spraying heavy to control insects, diseases. Papaya harvesting heavy. Sugar, pineapple harvesting active.

IDAHO: Temperatures up to 6° above normal. Precipitation none to 0.03 in. north, none southwest, none to 0.30 in. south central, none to 0.27 in. east. Extreme 41°; 105°. Smoke from grass, forest fires creating hazy conditions.

Days suitable for fieldwork 7. Southcentral areas experiencing rodent damage to potatoes, sugarbeets, dry beans. Potatoes harvested 2%, 1% 1993, 2% avg. Soil moisture 42% very short, 38% short, 20% adequate. Range, pasture feed 57%. Potato progress: closing middles 31%, turning 44%, vines dying/killed 23%, harvested 2%.; 2% poor, 14% fair, 71% good, 13% excellent. Barley harvested 69%, 7% 1993, 44% avg.; 2% very poor, 9% poor, 23% fair, 53% good, 13% excellent. Alfalfa hay harvested (2nd cutting) 91%, 73% 1993, 83% avg. Alfalfa hay harvested (3rd cutting) 18%, 12% 1993, 15% avg. Dry pea acreage harvested 86%, 16% 1993, 66% avg. Lentil acreage harvested 84%, 7% 1993, 58% avg. Mint acreage harvested 99%, 87% 1993, 87% avg. Peaches harvested 69%, 28% 1993, 59% avg. Plums, prunes harvested 10%, 3% 1993, 20% avg. Onions harvested 10%, 3% 1993, 10% avg. Hops harvested 3%, 35% 1993, 14% avg. Dry beans harvested 6%, 0% 1993, 6% avg. Irrigation water supplies 18% very poor, 17% poor, 38% fair, 27% good. Activities: Killing potato vines, preparing for potato harvest, irrigating, cutting alfalfa, harvesting grain, dry beans, hauling water to livestock, managing grain stubble.

ILLINOIS: It was another rather dry week across the State. Temperatures 0 to 6° below normal. Highs were in the upper 70s to about 85°, average lows were mostly in the middle 50s to lower 60s. Much of State received rain during the week, although for much of the State it was 0.50 in. or less with the majority falling on the 19th, 20th. Thunderstorms did bring locally heavy rainfall of 1.00 in. to 2.00 in.

Days suitable for fieldwork 6.0. Soil moisture 74% short, 26% adequate. Corn mature 2%, less than 1% 1993, 6% avg. Soybeans turning yellow 4%, less than 1% 1993, 3% avg. Shedding leaves less than 1% 1994, less than 1% 1993, 2% avg. Alfalfa hay third cutting 64%, 32% 1993, 51% avg.; 8% excellent, 52% good, 33% fair, 7% poor. Pasture feed 76% of normal. Soil moisture supplies continued short in almost all but the two northern districts where moisture is adequate. Crop conditions declined with spotty rainfall except in the northernmost two districts where crop prospects are good to excellent. Condition of the crop in the east, south is good to fair with concern about beans losing blooms, aborting pods, corn firing, poor kernel fill due to dryness. Farm activities included crop scouting, preparing storage facilities for harvest, cutting hay, harvesting vegetable, melon crops, mowing weeds.

INDIANA: Cool, drier-than-normal weather occurred across State the past week. A cold front moved across State 20th, with some strong thunderstorms. High temperatures averaged from the upper 70's to mid 80's, which was 1 to 4 degrees below normal across the State. Lows mid 50s to around 60°, which was 1 to 5° below normal. Coolest readings were in the mid 40s in the north, upper 40s in the south. Rainfall 0.30 to 1.00 in. across State. This was below normal by around 0.10 to 0.75 in.

Days suitable for fieldwork 5.4. Southern crops continue to be stressed by lack of moisture. Harvesting tobacco, baling hay were major field activities this week. Other activities included mowing, machinery maintenance, cleaning out grain bins. Pastures are in poor condition. Pasture feed rated 73% of normal, 75% last week. Topsoil 50% short, 48% adequate, 2% surplus. Subsoil 49% short, 50% adequate, 1% surplus. Tobacco harvested 15%, 13% 1993, 13% avg. Alfalfa 3rd cutting 61%, 31% 1993, 39% avg.

IOWA: Temperatures 1 to 3° below normal. Extremes 46° (northeast, 16th); 94° (southeast 19th). No rainfall over most of southern, western Iowa; up to 3.54 in. northeast; state average 0.21 in. (weekly normal 0.91 in.). Thunderstorms with large hail caused major damage in parts of the northeastern areas late in week.

Days suitable for fieldwork 5.8. Topsoil 33% short, 59% adequate, 8% surplus. Subsoil 17% short, 73% adequate, 10% surplus. Percent of soybean acreage with leaves turning color 2%, 0% 1993, 1% avg. Alfalfa hay 3rd crop harvested 40%, 3% 1993, 30% avg. Clover hay 2nd crop harvested 87%, 48% 1993, 80% avg. Pasture feed 9% poor, 25% fair, 50% good, 16% excellent. Hay 1% very poor, 5% poor, 25% fair, 55% good, 14% excellent. Livestock were reported in mostly good condition, however, there were many reports of pinkeye, face fly problems in cattle.

KANSAS: Temperatures below normal except northwest. Precipitation all districts, central districts less than 0.25 in.

Days suitable for fieldwork 6.5. Surface soil moisture 82% short to very short, 18% adequate. Subsurface moisture 51% short to very short, 49% adequate. Lack of adequate moisture causing condition fall crops to decrease. Corn mature 5%, 10% 1993, 20% avg. Over half of corn (55%) reached dent stage. Silage, high moisture corn harvest started scattered locations. One-quarter sorghum crop turning color with a few fields in southeast quarter of State considered mature. Sorghum condition 71% good to excellent. Soybeans need more moisture to fill with good sized beans. A few fields shedding leaves. Alfalfa 4th cutting 25%, 5% 1993, 10% avg. Pastures declining due lack of moisture. Stock being supplemented with hay, sorghum forage.

KENTUCKY: Cooler-than-normal temperatures. Daytime highs averaged 84°, lows averaged 62°; both were 2° below average. Dry most of the week. Widespread rain 19th, 20th 0.50 to 1.50 in.

Days suitable for fieldwork 5.7. Soil moisture 18% very short, 51% short, 30% adequate, 1% surplus. Burley tobacco cut 20%, 15% 1993, 25% avg. Dark tobacco 35% cut. Good tobacco curing conditions. Soybeans turning yellow 10%. Corn mostly good. Hay, pasture condition declined slightly. Hay crops 4% very poor, 14% poor, 35% fair, 39% good, 8% excellent. Livestock producers in dry areas feeding hay.

LOUISIANA: Temperatures 2.2° below to 0.5° above normal. Extremes 59°; 97°. Rainfall 0.47 in. central to 2.74 in. north central.

Days suitable for fieldwork 5.9. Soil moisture 4% very short; 17% short; 75% adequate, 4% surplus. Corn 28% fair, 58% good, 14% excellent; 95% mature, 89% 1993, 96% avg.; 43% harvested, 35% 1993, 52% avg. Dry weather allowed excellent progress of corn harvest. Yields, quality were both above average. Cotton prepared for harvest, sprayed for weevils. Hay 44% second cutting, 44% 1993, 40% avg. Peaches 100% harvested, 95% 1993, 98% avg. Rice 49% ripe, 58% 1993, 63% avg. Harvest very active in the south, just beginning in the north. Sorghum 52% ripe, 30% 1993, 51% avg.; 14% harvested, 7% 1993, 23% avg. Soybeans 97% blooming, 92% 1993, 89% avg.; 5% turning color, 4% 1993, 5% avg. Sugarcane 23% fair, 77% good; 9% planted, 7% 1993, 5% avg. Planting in several parishes made good progress. Sweet potatoes 33% fair, 50% good, 17% excellent; 13% harvested, 6% 1993, 14% avg. Harvest made good progress, slowed in Evangeline parish due to bruising. Livestock 2% very poor, 7% poor, 56% fair, 26% good, 9% excellent. Pastures 1% poor, 5% fair, 86% good, 8% excellent. Vegetables 2% poor, 25% fair, 60% good, 13% excellent.

MARYLAND & DELAWARE: MARYLAND: Rainfall 2.01 in.; normal 1.05 in. Temperature 73.8°, normal 75.1°. Extremes 45°; 95°.

Days suitable for fieldwork 4.4. Topsoil 59% adequate, 41% surplus. Subsoil 80% adequate, 20% surplus. Pasture feed excellent. Corn good; 66% dough, 62% 1993, 67% avg.; 29% dent, 33% 1993, 38% avg.; 2% mature, 5% 1993, 7% avg. Soybeans good; 89% bloomed, 82% 1993, 81% avg.; 60% setting pods, 55% 1993, 58% avg. Sorghum good; 100% headed, 94% 1993, 89% avg. Tobacco mostly good to excellent; 90% bloomed, 75% 1993, 78% avg.; 64% topped, 42% 1993, 55% avg.; 16% harvested, 17% 1993, 22% avg. Sweet corn 82% harvested, 84% 1993, 77% avg. Other hay 83% second cut, 84% 1993, 76% avg.; 34% third cut, 35% 1993, 19% avg. Alfalfa hay 88% third cut, 89% 1993, 73% avg.; 9% fourth cut, 15% 1993, 8% avg. Hay supplies adequate. Peaches short crop poor to fair; 82% harvested, 66% 1993, 69% avg. Apples good; 11% picked, 12% 1993, 15% avg.

DELAWARE: Precipitation 2.92 in.; normal 1.13 in. Temperature 74.7°, normal 75.4°. Extremes 57°; 91°.

Days suitable for fieldwork 5.6. Topsoil moisture 58% adequate, 42% surplus. Subsoil moisture 50% adequate, 50% surplus. Corn fair to mostly good; 79% dough, 60% 1993, 69% avg.; 34% dent, 38% 1993, 36% avg. Soybeans fair to good; 88% bloomed, 76% 1993, 81% avg.; 41% setting pods, 30% 1993, 36% avg. Sorghum good; 85% heading, 54% 1993, 83% avg. Sweet corn 91% harvested, 91% 1993, 77% avg. Other hay 46% third cut, 30% 1993, 47% avg. Alfalfa hay 97% third cut, 78% 1993, 76% avg. Hay supplies adequate; pasture feed good. Peaches good; 82% harvested, 75% 1993, 84% avg. Apples good; 15% harvested, 21% 1993, 21% avg.

MICHIGAN: Extremes 42°; 84°. Precipitation 0.06 to 2.42 in. across the State.

Days suitable for fieldwork 5.0. Soil moisture 10% short, 70% adequate, 20% surplus. Dry beans 70% setting pods, 80% 1993, 70% avg.; 15% turning, 15% 1993, 10% avg.; 10% very poor, 20% poor, 30% fair, 30% good, 30% excellent. Oats 70% ripe, 100% 1993, 90% avg.; 55% harvested, 60% 1993, 70% avg.; 3% very poor, 12% poor,35% fair, 40% good, 10% excellent. Potatoes 40% harvested, 45% 1993, 30% avg. Hay 80% second cutting, 75% 1993, 80% avg.; 20% third cutting, 20% 1993, 15% avg.; 5% very poor, 5% poor, 25% fair, 45% good, 20% excellent. Pasture feed 90% of normal. Activities: Cutting hay, seeding alfalfa, baling straw, orchard mowing, hoeing soybeans, dry beans, sugarbeets, spreading lime, plowing.

MINNESOTA: Temperatures near normal in the northwest to 3° below normal for the rest of the State. Extremes 43°; 88°. Precipitation 0.10 to 0.70 in. below normal for State. Greatest weekly total was 1.19 in.

Days suitable for fieldwork 4.8. Topsoil 2% very short, 12% short, 69% adequate, 17% surplus. Corn 97% milk, 18% 1993, 73% avg.; 50% dough, 7% 1993, 45% avg.; 8% dent, 0% 1993, 9% avg. Soybeans 98% setting pods 47% 1993, 85% avg.; 5% yellowing, 0% 1993., 4% avg. Spring wheat 57% cut\swathed, 29% 1993, 68% avg.; 41% combined, 16% 1993, 61% avg. Barley 89% cut\swathed, 69% 1993, 85% avg.; 73% combined, 40% 1993, 74% avg. Oats 96% cut/swathed, 76% 1993, 91% avg.; 90% combined, 50% 1993, 82% avg. Winter wheat 92% harvested, 68% 1993, 88% avg. Rye 98% harvested, 64% 1993, 87% avg. Potatoes 5% harvested, 34% 1993, 35% avg. Corn 1% very poor, 2% poor, 16% fair, 63% good, 18% excellent. Spring wheat 14% poor, 49% fair, 35% good, 2% excellent. Barley 4% very

poor, 15% poor, 51% fair, 30% good. Soybeans 1% very poor, 3% poor, 24% fair, 60% good, 12% excellent. All sunflowers 2% poor, 32% fair, 55% good, 11% excellent. Sugarbeets 2% very poor, 23% fair, 70% good, 5% excellent.

MISSISSIPPI: Temperatures 1.0° below normal. Extremes 58°; 97°. Soil temperature 86°. Precipitation 1.05 in., 0.20 in. above normal. Lower delta accumulated the greatest amount of rainfall with 2.30 in. Greatest 1-day precipitation occurred at Yazoo with 3.98 in.

Days suitable for fieldwork 6.4. Soil moisture 56% short, 42% adequate, 2% surplus. Corn 93% dent, 74% 1993, 80% avg.; 55% mature, 35% 1993, 52% avg.; 10% harvested, 12% 1993, 15% avg.; 60% silage harvested, 54% 1993, 61% avg.; 8% fair, 68% good, 24% excellent. Cotton 25% open bolls, 6% 1993, 16% avg.; 3% poor, 57% fair, 39% good, 1% excellent. Rice 96% heading, 66% 1993, 81% avg.; 25% mature, 11% 1993, 22% avg.; 3% harvested, 2% 1993, 2% avg.; 24% fair, 68% good, 8% excellent. Sorghum 86% turning color, 71% 1993, 69% avg.; 35% mature, 29% 1993, 36% avg.; 12% harvested, 2% 1993, 8% avg.; 34% silage harvested, 39% 1993, 48% avg.; 24% fair, 64% good, 12% excellent. Soybeans 95% blooming, 83% 1993, 84% avg.; 81% setting pods, 52% 1993, 59% avg.; 13% turning color, 6% 1993, 8% 5 yr avg.; 3% poor, 25% fair, 63% good, 9% excellent. Hay 83% harvested, 80% 1993, 77% avg. Pecans 12% very poor, 15% poor, 42% fair, 31% good. Sweetpotatoes 17% harvested, 5% 1993, 13% avg.; 80% fair, 20% good. Watermelons 92% harvested, 94% 1993, 92% avg.; 80% fair, 20% good. Livestock 10% fair, 80% good, 10% excellent. Pasture feed 84% of normal. Activities: Insect control, hay, corn harvest, corn silage harvest.

MISSOURI: Temperature 6° below normal at Springfield to normal at Kirksville. Rainfall 0.54 in., varying from none in the north central, northeastern districts to over 1.00 in. southwestern, south central districts. Dry conditions resulted in a decline in row crop condition in most areas.

Days suitable for fieldwork 6.7. Topsoil moisture 94% short, 6% adequate. Crops need rain in most areas. Corn denting by district 53% north central, central to 100% southeast. Soybeans one week ahead of average. Beans setting pods by district range 65% southeast to 64% north central. Bean development within pod hampered by dry conditions in some areas. Sorghum coloring ranges from 30% in northwest, northeast to 75% southeast. Third cutting alfalfa 81%, 62% avg.; some areas too dry for third crop. Pasture feed 12% very poor, 38% poor, 48% fair, 2% good.

MONTANA: Temperatures above normal, precipitation below normal for all of the State.

Days suitable for fieldwork 6.9. Topsoil moisture 85% short, 15% adequate. Subsoil moisture 77% short, 23% adequate. Winter wheat 91% harvested, 5% 1993, 50% avg. Barley 58% harvested, 3% 1993, 26% avg.; 3% very poor, 9% poor, 35% fair, 39% good, 14% excellent. Oats 51% harvested, 0% 1993, 26% avg.; 1% very poor, 6% poor, 27% fair, 49% good, 17% excellent. Dry beans 2% harvested, 0% 1993, 0% avg. Corn for silage 1% harvested, 0% 1993, 0% avg. Second cutting alfalfa 77%, 18% 1993, 49% avg. Other hay harvest 93%, 74% 1993, 87% avg. Pasture, range feed 80% of normal.

NEBRASKA: Temperatures near normal west 3 to 6° below normal elsewhere. Precipitation was scattered across the State, varying from a trace southwest to 1.13 in. northeast.

Days suitable for fieldwork 5.2. Topsoil moisture 26% short, 70% adequate, 4% surplus. Subsoil moisture 18% short, 79% adequate, 3% surplus. Corn 1% poor, 6% fair, 66% good, 27% excellent; 83% dough, 27% 1993, 47% avg.; 17% dented, 1% 1993, 9% avg. Soybean 1% poor, 6% fair, 64% good, 29% excellent; 96% setting pods, 51% 1993, 63% avg.; 2% leaves turning color, 0% 1993, 0% avg. Sorghum 10% fair, 69% good, 21% excellent; 97% headed, 45% 1993, 65% avg.; 9% coloring, 0% 1993, 6% avg. Dry bean 22% fair, 70% good, 8% excellent; 94% setting pods, 50% 1993; 8% leaves turning color. Pasture, range feed 89% of normal.

NEVADA: Warm, dry upper level high pressure over the southwestern United States dominated the weather last week. Numerous afternoon, evening showers, thunderstorms occurred in the south, eastern portions of the State, including some with significant precipitation in the south and central areas. A total of 0.80 in. was reported at Mt. Charleston, in the Spring Mountains west of Las Vegas. Weekend a low pressure area moved across southern areas that caused numerous thunderstorms, rainfall from Las Vegas to Mesquite. Overton 0.52 in.; Tonopah reported 0.20 in. No other precipitation was reported. Temperatures 3 to 7° above normal in all climatic regions. Extremes 33°; 117°.

Small grain harvest continued north. Second cutting alfalfa well along, third cutting continued north, central areas. Harvest of garlic for seed completed. Onion digging active. Range, pasture feed condition continues to deteriorate; poor to very poor most areas. Main farm, ranch activities: Haying, grain harvest, fencing, ditch cleaning, livestock care.

NEW ENGLAND: Precipitation 0.24 to 2.59 in. north, 0.25 to 4.12 in. south. Temperatures 60 to 68° north; 64 to 73° south. Temperatures 1° below normal regionwide. Maximum temperatures 78 to 84° north; 71 to 87° south. Minimum temperatures 40 to 53° north; 39 to 57° south.

Days suitable for fieldwork 5. Soil moisture 3% very short, 12% short, 41% adequate, 44% surplus. Available grazing, 21% short, 79% adequate. Fieldwork 2 days behind schedule. Maine potatoes 5% harvested, Rhode Island potatoes 20% harvested, Connecticut River Valley potatoes 20% harvested. Potato condition good where late blight is not a problem. Maine oats 35% harvested, 15% 1993, 10% avg., condition good/fair. Field corn <5% harvested, condition good. Shade tobacco condition good, 70% harvested, 70% 1993. Outdoor tobacco condition good, 60% harvested, 65% 1993. Second crop hay 70% harvested, 65% 1993, 65% avg.; good. Third crop hay 20% harvested, 10% 1993, 15% avg.; good. Sweet corn 55% harvested, 50% 1993, 55% avg.; good. Apples 5% harvested; apple size medium, condition good, color good. Peaches size medium, 40% harvested, condition fair. Pears 5% harvested; size medium, condition good/fair. Raspberries size medium, 70% harvested, condition good. Highbush blueberries 80% harvested, condition good, size large/medium. Wild blueberries size medium, 75% harvested, condition good. Cranberries size medium/large, condition good/excellent. Major farm activities: Harvesting fruits, vegetables, applying insect, weed control, preparing equipment for harvest, haying between showers.

NEW JERSEY: Temperatures near normal. Extremes 46°; 89°. Rainfall 3.20 in. north, 2.04 in. central, 1.30 in. south. Heaviest 24-hour total 2.63 in. on 17th, 18th. Estimated soil moisture, in percent field capacity, averaged 91% north, 91% central, 87% south. Four-inch soil temperatures 70° north, 71° central, 74° south.

Days suitable for fieldwork 5. The abundant rainfall in southern, central areas, has caused tomatoes to crack, limited the farmers' ability to enter into the fields to harvest their crops. This has caused crops, awaiting harvest, to rot in the fields. Good supply of green, yellow squash, tomatoes, eggplants, peppers. Moderate supply of green beans, cabbage, cantaloupe, watermelon, cucumbers. Light volume of herbs, leeks, okra, green onions. Ginger Gold, Paula Reds are the primary varieties of apples being harvested.

NEW MEXICO: The "hotter than normal" summer continued, though a cold front brought relief to many areas over the weekend. Temperatures for the State almost 3° above normal; mercury hit 108° at Carlsbad on the 18th, 19th. Some precipitation fell over most of State with the southeast plains, northwest plateaus the only areas that got none. Higher amounts included 2.14 in. at Johnson Ranch, 1.92 in. at Las Vegas.

Days suitable for fieldwork 6.5. Soil moisture is 78% short, 22% adequate. Cropland conditions: Alfalfa 3% poor, 22% fair, 72% good, 3% excellent. Chile was reported at 13% poor, 13% fair, 68% good, 6% excellent. Corn 9% poor, 17% fair, 61% good, 13% excellent. Irrigated sorghum was reported as 20% fair, 80% good. Dryland sorghum was 62% poor, 38% fair. Cotton 29% fair, 50% good, 21% excellent. Pecan 20% fair, 70% good, 10% excellent. Apple 17% fair, 75% good, 8% excellent. Cattle, sheep conditions varied across the State from poor to good condition. Range feed condition is 57% of normal.

NEW YORK: Cool with numerous thunderstorms, heavy rains which caused localized flooding. High winds toppled trees, caused power outages.

Days suitable for fieldwork 3.7. Soil moisture adequate to surplus, short in southeast. Coolness slowed crop development. Pastures feed 95% of normal. Corn good to excellent condition. Oats 62% harvested, 68% 1993, 62% average. Wheat harvest completed. Second cutting alfalfa 84% finished, 85% 1993, 80% avg. Third cutting 51% complete, 22% 1993, 21% avg. Some hay chopped due to rain. Potato digging continued. Grading, packing picked up momentum. Vegetable harvesting in full swing. Need rain in southeast. Orange County onions maturing rapidly. Early fruit varieties being picked in Hudson Valley region.

NORTH CAROLINA: Mean temperatures at the seven reporting stations 71° at Asheville to 80° at Cape Hatteras, Wilmington. Rainfall 2.26 in. at Raleigh to 6.75 in. at Cape Hatteras.

Days suitable for fieldwork 3.8; Soil 36% adequate, 64% surplus. Crop conditions: Pasture feed 24% fair, 64% good, 12% excellent; tobacco 1% poor, 14% fair, 77% good, 8% excellent; corn 3% very poor, 5% poor, 31% fair, 55% good, 6% excellent; cotton 19% fair, 73% good, 8% excellent; peanuts 23% fair, 69% good, 8% excellent; soybeans 27% fair, 67% good, 6% excellent; hay 3% poor, 30% fair, 66% good, 1% excellent; sweet potatoes 21% fair, 68% good, 11% excellent; apples 2% fair, 80% good, 18% excellent; peaches 11% fair, 87% good, 2% excellent; sorghum 6% fair, 72% good, 22% excellent; truck crops 38% fair, 62% good; hay, roughage supplies 22% short, 71% adequate, 7% surplus; corn for silage harvested 33%, 34% 1993, 32% avg.; flue-cured tobacco harvested 41%, 36% 1993, 47% avg.; apples harvested 15%, 7% 1993, 8% avg.; cotton bloomed 94%, 91% 1993, 92% avg.; cotton open bolls 15%, 6% 1993, 10% avg.; corn soft dough 93%, 89% 1993, 91% avg.; corn dent 82%, 77% 1993, 79% avg.; corn mature 59%, 50% 1993, 53% avg.; soybeans bloomed 75%, 70% 1993, 71% avg.; soybeans pods set 53%, 47% 1993, 46% avg.; second cutting of hay is 69% complete with the third cutting 29% complete. Activities included: Harvesting, marketing tobacco, applying pesticides, herbicides, fungicides. Other activities included: Harvesting hay, corn; tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Hot, dry weather across State. Precipitation 0.03 in. southwest to 0.40 in. southeast. Temperatures 1° below normal southeast to

3° above normal northwest, west central, southwest. Extremes 32° southwest; 99° northwest.

Days suitable for fieldwork 6.4. Topsoil 12% very short, 39% short, 45% adequate, 4% surplus. Subsoil 6% very short, 28% short, 63% adequate, 3% surplus. Small grain harvest continued rapidly. Hard red spring wheat 34% combined, 9% 1993, 52% avg.; durum wheat 14% combined, 2% 1993, 36% avg.; barley 62% combined, 28% 1993, 71% avg.; oats 55% combined, 12% 1993, 61% avg. Condition of small grains: hard red spring wheat 1% very poor, 7% poor, 28% fair, 56% good, 8% excellent; durum wheat 1% very poor, 7% poor, 21% fair, 57% good, 14% excellent; barley 1% very poor, 5% poor, 22% fair, 58% good, 14% excellent; oats 1% very poor, 4% poor, 25% fair, 60% good, 10% excellent. Late season crop ahead of last year and at or ahead of average. Flaxseed 7% cut or combined, 1% 1993, 11% avg.; corn for grain 10% denting to dented and beyond, 0% 1993, 11% avg.; dry edible beans 18% mature/leaves dropping and beyond, 0% 1993, 20% avg.; soybeans 23% lower leaves yellowing and beyond, 2% 1993, 20% avg.; sunflower 22% ray flowers dried or dropped and beyond, 4% 1993, 24% avg.; potatoes 13% vines killed and beyond, 18% 1993, 11% avg. Condition: flaxseed 2% poor, 17% fair, 70% good, 11% excellent; corn for grain 1% poor, 11% fair, 68% good, 20% excellent; corn for silage 2% very poor, 6% poor, 24% fair, 59% good, 9% excel.; dry edible beans 1% very poor, 6% poor, 20% fair, 60% good, 13% excel.; soybeans 4% poor, 16% fair, 64% good, 16% excellent; sunflower 3% poor, 11% fair, 67% good, 19% excellent; sugarbeets 3% poor, 6% fair, 71% good, 20% excellent; potatoes 1% poor, 5% fair, 63% good, 31% excellent. Range, pasture feed 80% of normal; hay condition 84% of normal. Second cutting alfalfa 90% complete, other hay 92% complete. Stockwater supplies 1% very short, 6% short, 91% adequate, 2% surplus.

OHIO: Temperatures warmed, with highs in the 70s on the 15th to the 80s by the 19th. Warming was in advance of a frontal system that triggered virtually all of the week's rainfall on 20th, brought cooling by the weekend. Average highs mid 70s in the north to the low 80s in the south. Highest temperature reported was 90° at Dayton on 19th; lowest was 44° at both Marion, South Charleston (16th morning). Readings fell short of normal by 2 to 4° in the north but were equal to normal in the central, south. Cooler than normal temperatures held growing degree day accumulations a little below normal for the week. Totals for the season, since April 1st, are still 100 to 200 above normal in most areas. Precipitation totals were generally above 0.50 in. with a number of stations reporting more than 1.00 in.

Days suitable for fieldwork 5.8. Crop development is ahead of schedule. Crop condition decreased slightly for the first time in weeks, still looks good. Soil moisture 24% short, 71% adequate, 5% surplus. Tomato harvest 9% complete. Hay 3% poor, 27% fair, 57% good, 13% very good. Alfalfa hay third cutting 44% complete. Other hay second cutting 84% complete. Pasture feed 1% very poor, 8% poor, 33% fair, 49% good, 9% excellent.

OKLAHOMA: Temperatures 3° below normal Panhandle, southwest to 6° below normal east-central. Precipitation 0.11 in. southwest to 2.14 in. north central.

Days suitable for fieldwork 6.6. Topsoil 62% short, 36% adequate, 2% surplus. Subsoil moisture 36% short, 64% adequate. Corn 3% poor, 16% fair, 81% good; 29% mature, 18% 1993, 35% avg.; 8% harvested, 3% 1993, 5% avg. Soybeans 83% flowering, 68% 1993, 68% avg.; 70% setting pods, 31% 1993, 38% avg.; 24% maturing, 3% 1993, 3% avg. Peanuts 18% fair, 82% good; 89% setting pods, 80% 1993, 76% avg.; 1% mature, 1% 1993, 3% avg. Cotton 57% fair, 19% good, 24 excellent; 96% setting bolls, 99% 1993, 85% avg.; 3% open bolls, 5% 1993, 1% avg. Pasture feed 90% normal. Feeder steers, heifers $1.00 to $3.00 lower per cwt.

OREGON: Temperatures above normal statewide. Coast 3 to 6° above normal, western interior 2 to 4° above normal; elsewhere 1 to 6° above normal. State dry, except Astoria 0.01 in.

Soil moisture 73% short, 27% adequate. Winter wheat 98% harvested. Barley 68% harvested. Hay harvest continued statewide. Northeastern, Klamath Basin grain harvest continued, elsewhere harvests winding down. Summer fallow operations continued, Columbia Basin of State. Western areas: Sugarbeet seed harvests continued, mint harvest continued, hops harvest start approaching. Eastern potato, onion harvest full swing. Green pepper, watermelon harvest continued, Hermiston district. Willamette Valley: Green bean, sweet corn, broccoli, cabbage, onions, cucumber harvest continued, Evergreen blackberry harvest continued, some pruning, training, clean up of caneberry fields continued, peach, early to mid-season apple harvests continued, Gravenstein apple harvest nearly completed, hazelnuts, walnuts sized well. Lower Hood River Valley, Medford district Bartlett pear harvest full swing, Upper Hood River Valley to begin shortly. Cranberries continued to size, favorable conditions; southern coast. Livestock good to excellent. Range, pasture 66% of normal. Supplemental feeding continued Willamette Valley. Range continued to be extremely dry. Stockwater continued to be hauled to much of eastern area livestock. Some early weanings underway due to poor eastern range conditions.

PENNSYLVANIA: Remnants of Beryl brought up to 4.00 in. of rainfall to some areas. Temperature 73°; 3° above normal. Extremes 42°; 90°. Precipitation 2.82 in., 1.98 in. above normal.

Days suitable for fieldwork 3. Soil moisture 69% adequate, 31% surplus. Ensilage corn harvested 1% complete, 2% 1993. Soybean 2% poor, 10% fair, 47% good, 41% excellent. Wheat harvest 99% complete, 100% 1993; planted 2% complete, 2% 1993. Oat harvest 82% complete, 85% 1993. Barley harvest 99% complete, 100% 1993; planted 3% complete, 2% 1993. Tobacco harvest 20% complete, 12% 1993. Potato harvest 21% complete, 18% 1993. Second cutting alfalfa 90% complete, 95% 1993. Third cutting alfalfa 50% complete, 46% 1993. Fourth cutting alfalfa 8% complete, 5% 1993. Second cutting clover-timothy 68% complete, 76% 1993. Quality of hay made 34% poor, 40% fair, 26% good. Feed from pastures good to excellent. Apple harvest 20% complete, 11% 1993. Grapes harvest 5% complete, 19% 1993. Fall plowing 14% complete, 13% 1993. Activities: Making hay; harvesting oats, fruits, tobacco, potatoes, vegetables; repairing equipment; fixing fences; hauling manure; caring for livestock; attending Ag Progress Days, contending with flooding, extreme muddy conditions.

PUERTO RICO: Rainfall 1.10 in. was 0.50 in. below normal. Highest total rainfall 3.73 in. at Maricao, 3.26 in. at Mayaguez City, 2.70 in. at Juana Diaz Camp. Island temperatures 81 to 83° on the coasts, 76 to 77° interior with mean station temperature 86.1° Rio Piedras Aes to 68.6° Pico del Este Luquillo. Extremes 56°; 95°.

SOUTH CAROLINA: Rainfall 4.40 in.; temperatures 2° below normal to 1° above normal.

Days suitable for fieldwork 3.8. Soil moisture 7% short, 70% adequate, 23% surplus. Tobacco fair to good; 77% harvested, 43% 1993, 66% avg.; 19% stalks destroyed, 2% 1993, 7% avg. Corn fair to good; 95% mature, 80% 1993, 85% avg.; 31% harvested, 24% 1993, 24% avg. Cotton 23% fair, 77% good; 2% open bolls, 12% 1993, 9% avg. Soybeans 32% fair, 68% good; 84% blooming, 77% 1993, 77% avg.; 52% setting pods, 42% 1993, 43% avg. 1% turning leaves, 1% 1993, 2% avg. Cantaloupes fair to good; 92% harvested, 87% 1993, 88% avg. Watermelons fair to good; 90% harvested, 93% 1993, 93% avg. Cucumbers fair to good; 98% harvested, 99% 1993, 97% avg. Peaches fair to good; 97% harvested, 84% 1993, 91% avg. Apples fair to good; 9% harvested, 5% 1993, 13% avg. Sorghum fair to good; 20% harvested, 27% 1993, 21% avg. Snap beans fair to good; 96% harvested, 100% 1993, NA avg. Fall hay fair to good; 39% harvested, 40% 1993, 42% avg. Pasture feed 21% fair, 79% good.

SOUTH DAKOTA: Temperatures near normal across west, central; 1 to 5° below normal east. Extremes 30°; 98°. Precipitation less than 0.10 in. across most of State. Greatest south-central, central. Heaviest, 1.04 in. south-central.

Days suitable for fieldwork 6.1. Topsoil 8% very short, 47% short, 39% adequate, 6% surplus. Subsoil 11% very short, 36% short, 44% adequate, 9% surplus. Barley 98% harvested, 78% 1993, 92% avg. Oats 99% harvested, 79% 1993, 93% avg. Flax 25% fair, 75% good; 29% ripe, 40% 1993, 66% avg. Row crop progress well ahead of average. Sunflower 14% fair, 61% good, 25% excellent; 52% ray flowers dry, 17% 1993, 25% avg. Livestock 3% fair, 82% good, 15% excellent. Feed supply 14% short, 75% adequate, 11% surplus. Pasture feed 88% of normal. Water supply 4% short, 81% adequate, 15% surplus. Grasshopper damage reported across State.

TENNESSEE: Temperatures below normal statewide. Precipitation above normal except parts of west.

Days suitable for fieldwork 4.9. Soil moisture 2% very short, 20% short, 73% adequate, 5% surplus. Corn 92% dough, 91% 1993, 84% avg.; 56% dent, 56% 1993, 56% avg.; 9% mature, 11% 1993, 12% avg.; 13% silage harvest, 24% 1993, 13% avg.; 6% fair, 67% good, 27% excellent. Cotton 1% open bolls, 5% 1993, 4% avg.; 1% fair, 98% good, 1% excellent. Tobacco 85% topped, 78% 1993, 79% avg.; 12% fair, 81% good, 7% excellent. Burley 22% harvested, 17% 1993, 22% avg. Dark fire-cured 22% harvest, 19% 1993, 20% avg. Dark air-cured 22% harvest, 17% 1993, 19% avg. Sorghum 91% headed, 98% 1993, 91% avg.; 43% turning color, 57% 1993, 46% avg.; 7% mature, 8% 1993, 7% avg.; 8% fair, 92% good. Soybeans 86% blooming, 90% 1993, 82% avg.; 51% setting pods, 62% 1993, 52% avg.; 2% poor, 11% fair, 85% good, 2% excellent. Other hay, 3% poor, 15% fair, 74% good, 8% excellent. Alfalfa, 1% poor, 13% fair, 79% good, 7% excellent. Pasture feed 3% poor, 11% fair, 70% good, 16% excellent. Cattle, 6% fair, 88% good, 6% excellent.

TEXAS: Two cold fronts moved through the State this past week, bringing much-needed rainfall to much of Central Texas. Western, southern areas of the State were not as lucky. The first front moved into the State 15th, dissipated in southern Texas by 17th. Second front began to move into Texas on 20th, stalled in southern Texas late 21st. Half of the climatic divisions received above normal rainfall last week. These were all located in the central, northeast portions of the State. Western, southern divisions received less than normal rainfall last week. The above normal departures ranged from +0.09 in. the Upper Coast division to +1.05 in. the East Texas division. The below normal departures ranged from -0.18 in. the Low Rolling Plains to -0.51. in the Lower Valley. In fact, the Southern Texas, Lower Valley divisions did not receive any rainfall. Numerous stations received more than an inch of rainfall, while many other did not receive any rainfall. College Station, Lufkin each received more than 3.00 in. of rainfall. Four of the divisions experienced normal temperatures last week. The

northern four divisions experienced below normal temperatures, while the Trans Pecos, Edwards Plateau were above normal. The below normal departures -1° in the High Plains, North Central, East Texas to -5° Low Rolling Plains. The above normal departures were +3° Trans Pecos, +2° Edwards Plateau division.

Crops: Corn harvest activities were virtually completed in South Texas, good progress was made throughout Central Texas. Corn in the Plains continued to make good progress with some mite damage reported. Irrigation remained active. Corn 83% normal, 77% 1993; 100% silked, 100% 1993; 55% mature, 51% 1993; 48% harvested, 43% 1993. Cotton irrigation activities were constant throughout the Plains, cultivation, spot spraying, hoeing activities continued. Cotton continued to make good progress, some fields were shedding fruit due to heat, lack of moisture throughout the past several weeks. Harvest, defoliation activities continued from the Blacklands southward. Harvest was nearing completion in the Rio Grande Valley, winding down throughout the Coastal Bend. Cotton 67% normal, 77% 1993; 95% setting bolls, 88% 1993; 13% harvested, 7% 1993. Peanuts most irrigated peanut fields continued to make good progress, dryland fields remained stressed, in need of additional moisture. Irrigation was heavy in areas where water was available but producers in the Plains were having trouble keeping up with water demands. Peanuts 80% normal, 73% 1993; 1% harvested, 1% 1993. Rice harvest was in full swing along the Upper Coast and throughout South Central Texas. Afternoon showers along the Upper Coast caused minimal delays to harvest activities. Rice 97% normal, 86% 1993. Sorghum greenbugs continued to cause problems in some areas in the Plains and most fields continued to show signs of moisture stress. Sorghum harvest was nearly completed throughout southern Texas. Hot, open weather throughout the Blacklands allowed harvest to progress at a rapid pace. Sorghum 69% normal, 76% 1993; 65% mature, 61% 1993; 58% harvested for grain, 56% 1993. Soybeans harvest continued to make good progress along the Upper Coast. In the Blacklands harvest continued on early maturing fields. Soybeans 10% harvested, 7% 1993. Small grains planting got underway in the Plains. Across the state, land preparation, fertilizer application continued. Small grains 1% planted, 1% 1993.

Commercial Vegetables: Rio Grande Valley: insect scouting activities, irrigation were constant in citrus. Cabbage, peppers, watermelons made good progress. San Antonio-Winter Garden: preparations for fall vegetable planting continued with some fields being planted. Trans-Pecos: watermelon, cantaloupe harvest continued to wind down. Chile harvest began on a limited basis. Fall squash, melons made good progress. East Texas: tomato, pepper, pea, sweet potato, watermelon harvest was active. Fall vegetable planting continued. High Plains harvest of potato, onion, cucumber continued. Early planted pumpkins began turning color. Peaches in the Cross Timbers harvest was winding down. Elsewhere harvest activities were virtually completed with producers cleaning orchards. Pecans in the Cross Timbers, pecans continued to make good progress, however, shedding of nuts continued across the State. Scab, yellow and black pecan aphid, hickory shuckworm started causing problems in some areas. Producers continued to irrigate heavily in areas where water was available.

Range and Livestock: Range, pasture forage remained short across most of the State. Emergency grazing, baling of CRP land continued across the Plains. In East Texas, most pastures began greening up, hay harvest continued. Supplemental feeding continued, livestock remained in fair to good condition.

UTAH: Temperature maximums 5° above normal; minimums 6° above normal. Precipitation moderate over Dixie, western divisions; light to moderate over the rest of the State.

Days suitable for fieldwork 6.5. Soil moisture 92% short, 8% adequate. Irrigation water supply 40% very short, 59% short, 1% adequate. Stockwater supply 25% very short, 72% short, 3% adequate. Oats ripe 87%, 70% 1993; harvested for grain 72%, 26% 1993, 49% avg. Alfalfa hay 3rd cutting 41%, 19% 1993, 26% avg. Peaches harvested 42%, 45% 1993. Pears harvested 30%, 5% 1993. Cattle moved from summer range 6%. Sheep moved from summer range 1%. Pasture, range feed poor to fair. Major farm activities: Irrigating, harvesting hay, small grains, peaches, pears, melons, vegetables. Some spider mite was reported in corn. Yields on dryland crops were low due to dry conditions. Irrigated yields reported about normal where irrigation water was adequate.

VIRGINIA: Temperatures 1 to 2° above normal. Extremes 55°; 94°. Rainfall well above normal. Extremes 0.38 in; 5.42 in.

Days suitable for fieldwork 2.6. Topsoil 49% adequate, 51% surplus. Corn 5% very poor, 8% poor, 20% fair, 54% good, 13% excellent; dough stage 63%, 78% 1993, 71% avg.; dented 44%, 58% 1993, 53% avg. Soybean 5% fair, 93% good, 2% excellent; bloom 79%, 81% 1993, 79% avg.; setting pods 53%, 55% 1993, 56% avg. Peanut 25% fair, 75% good. Flue tobacco 23% fair, 54% good, 23% excellent; harvested 27%, 28% 1993, 36% avg. Burley tobacco 5% fair, 70% good, 25% excellent; harvested 3%, 1% 1993, 11% avg. Fire tobacco 27% fair, 38% good, 35% excellent; harvested 27%, 22% 1993, 32% avg. Sun tobacco 40% fair 40% good, 20% excellent; harvested 9%, 18% 1993, 25% avg. Cotton 100% good. Apple 4% fair, 96% good. Summer apple harvest 59%, 72% 1993, 31% avg. Peaches harvested 72%, 73% 1993, 73% avg. Pasture feed 8% fair, 55% good, 37% excellent. Alfalfa hay 1% fair, 59% good, 40% excellent. Other hay 17% fair, 56% good, 27% excellent. Tobacco harvest continues. Burley tobacco harvest just beginning. Vegetable harvesting slowed due to rain. Some planting of fall snapbean, cucumbers. Apple, peach harvest continues. Damp weather increasing disease pressure in peanuts. Spraying peanuts for leaf spot, schlerotinia.

WASHINGTON: Temperatures 1° below normal to 6° above normal west; 3° below normal to 5° above normal east. Precipitation none to 0.15 in. west; none to 0.01 in. east. Weather continued dry, hot. Days suitable for fieldwork 6.9. Soil moisture 88% short, 12% adequate. Hay, other roughage supplies 2% very short, 13% short, 84% adequate, 1% surplus. Range, pasture feed 42% very poor, 40% poor, 12% fair, 6% good. Spring wheat dryland 28% very poor, 46% poor, 23% fair, 3% good; irrigated 6% poor, 20% fair, 70% good, 4% excellent. Barley dryland 30% very poor, 38% poor, 25% fair, 7% good; irrigated 85% good, 15% excellent. Potatoes 19% fair, 81% good. Dry edible beans 10% fair, 90% good. Corn 9% fair, 88% good, 3% excellent. Winter wheat 99% harvested, 62% 1993, 82% avg. Spring wheat 98% harvested, 24% 1993, 68% avg. Barley 98% harvested, 34% 1993, 66% avg. Potatoes 12% harvested, 22% 1993, 16% avg. Corn silage 12% harvested, 21% 1993, 10% avg. Dry peas 99% harvested, 21% 1993, 75% avg. Alfalfa, second cutting, 95% complete, 87% 1993, 96% avg.; third cutting, 64% completed, 22% 1993, 47% avg. Small grain harvest mostly finished. Growers need rain, dry soil conditions delay planting. Alfalfa harvest advances. Potato, corn silage harvest progresses slowly. Dry bean harvest to begin shortly. Some garbanzos harvested. Bartlett pear harvest slowed Chelan county, full swing Yakima valley. Gala, Golden Delicious apple harvest continued early districts Yakima valley. Late variety peach, nectarine picking continues. Vegetable harvest continues. Water shortages causing problems Yakima valley. Range, pasture feed conditions dry. Fire danger very high. Cattle being fed hay.

WEST VIRGINIA: Temperature 68°. Extremes 50°; 92°. Precipitation averaged 2.79 in.

Days suitable for fieldwork 3.8. Soil moisture 69% adequate, 31% surplus. Hay 8% fair, 88% good, 4% excellent; second cutting 50%, 53% 1993, 48% avg.; third cutting 40%, 49% 1993. Apples 50% poor, 50% fair. Corn 14% fair, 86% good; silked 86%, 96% 1993, 89% avg.; dough stage, 45%, 73% 1993, 55% avg. Oats 100% good; ripe 100%, 100% 1993, 97% avg.; harvested 80%, 100% 1993, 89% avg. Tobacco 29% fair, 71% good; topped 64%, 75% 1993, 64% avg. Gardens 31% fair, 63% good, 6% excellent. Soybeans 100% good; blooming 98%, 99% 1993; podding 72%, 76% 1993. Pasture feed 10% fair, 46% good, 44% excellent; 101% of normal. Cattle 10% fair, 86% good, 4% excellent. Sheep 5% fair, 92% good, 3% excellent. Farm activities: cutting hay, harvesting oats, gardening, equipment maintenance.

WISCONSIN: Temperature 65°, 2° below normal. Extremes 39°; 90°. Precipitation 0.40 to 1.80 in.

Days suitable for fieldwork 4.4. Soil moisture 29% short, 60% adequate, 11% surplus. Pasture feed 82%, 88% 1993, 77% avg. General condition of crops: 8% fair, 76% good, 16% excellent. Corn in dough or beyond 52%, 21% 1993, 37% avg.; dent or beyond 10%, 4% 1993, 10% avg.; 5% fair, 49% good, 46% excellent. Oats 3% very poor, 10% poor, 39% fair, 45% good, 3% excellent; harvested 80%, 47% 1993, 69% avg. Soybean 2% poor, 5% fair, 63% good, 30% excellent; leaves turned 3%, 1% 1993, 4% avg. Second cutting hay harvested 85%, 69% 1993, 85% avg. Third cutting hay harvested 19%, 11% 1993, 18% avg. Winter wheat harvested 95%, 76% 1993, 89% avg. Progress of most crops improved last week with warmer conditions than the previous cool week. Additional heat units will be necessary to prepare the corn, soybeans for harvest. Improved drying conditions made 2nd, 3rd crop hay harvest possible in some areas. Second crop quality has decreased with long waits for harvest. Oats, winter wheat harvest are mostly finished. Several reporters said the Sweet corn crop was near record levels this year. The tobacco crop is reportedly of high quality and yield. Comments indicated the apple crop is also good this year.

WYOMING: Temperatures this past week were above normal with below normal precipitation. Casper was the warm spot, 7° above normal. Laramie, Powell, Saratoga only 1° above normal. Precipitation was 0.10 to 0.40 in. below normal for most of the State. Carpenter, Archer received the largest amounts of precipitation with 0.33 and 0.30 in., respectively.

Days suitable for fieldwork 6.8. Topsoil 86% short, 14% adequate. Spring wheat 81% harvested, 14% 1993, 51% avg. Oats 87% mature, 41% 1993, 80% avg.; 46% harvested, 16% 1993, 42% avg. Barley 92% mature, 73% 1993, 93% avg.; 71% harvested, 41% 1993, 63% avg. Corn 65% in dough, 2% 1993, 15% avg.; 28% dented, 0% 1993, 1% avg. Dry beans 55% leaves turning color, 2% 1993, 22% avg.; 3% windrowed, 0% 1993, 1% avg. Alfalfa 76% second cutting harvested, 39% 1993, 57% avg.; 3% third cutting, 0% 1993, 0% avg. Other hay 90% harvested, 82% 1993, 85% avg. Winter wheat acreage for harvest in 1995 is 7% planted. Barley 21% fair, 56% good, 23% excellent. Oat 44% fair, 56% good. Spring wheat 1% poor, 75% fair, 24% good. Sugarbeet 100% good. Corn 3% fair, 47% good, 50% excellent. Dry bean 82% good, 18% excellent. Irrigation water supplies 59% short, 41% adequate. Stockwater supplies 47% short, 53% adequate.

International Weather and Crop Summary

HIGHLIGHTS

August 14 - 20, 1994

FSU-WESTERN: Cool, wet weather slowed spring grain harvesting but increased topsoil moisture for planting 1995 winter grain crops.

FSU-NEW LANDS: Welcomed dryness covered the Urals region of Russia, improving conditions for spring grain development.

EUROPE: Showers and cooler weather across the north slowed winter grains harvesting, but eastern Hungary was still too dry for summer crops.

AUSTRALIA: Rain brought some relief to portions of drought-stricken eastern Australia, but much more is needed.

SOUTH AMERICA: Cool weather stressed reproductive winter wheat across portions of southern Brazil.

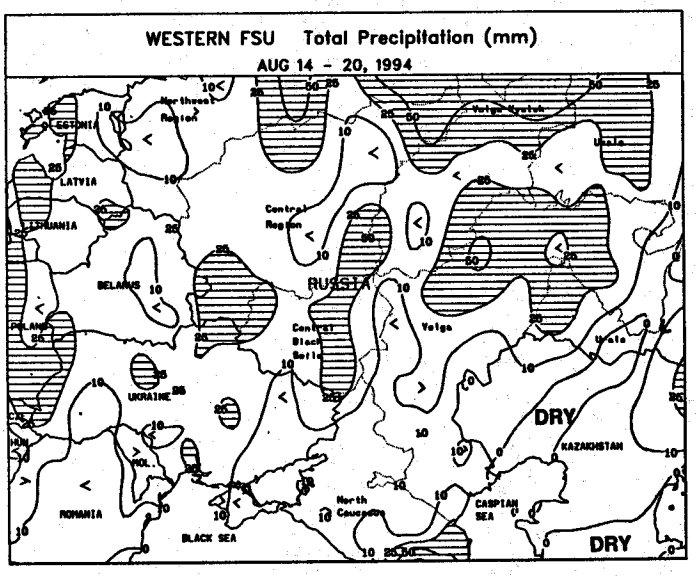
SOUTH ASIA: Substantial monsoon rain continued.

SOUTHEAST ASIA: Widespread rains covered most rice and corn areas of Thailand.

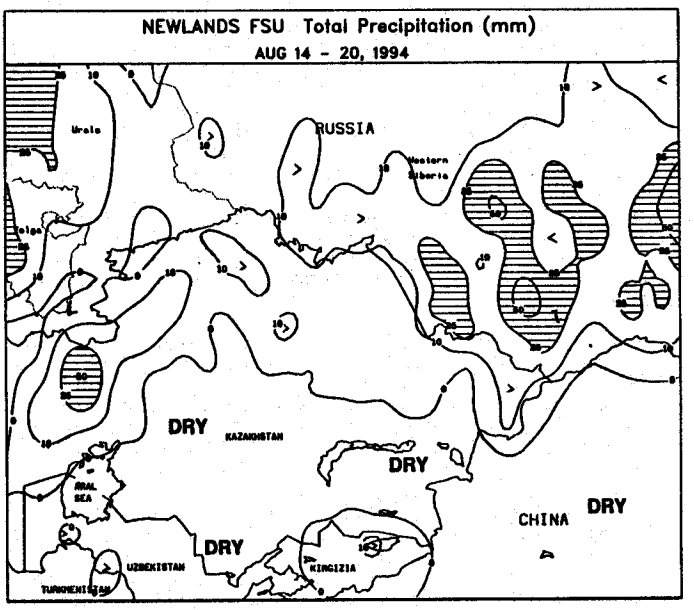
EASTERN ASIA: Beneficial rain prevailed across Japan, while heavy rain persisted across southern China.

MEXICO: Widespread showers benefited summer crops across the main corn belt.

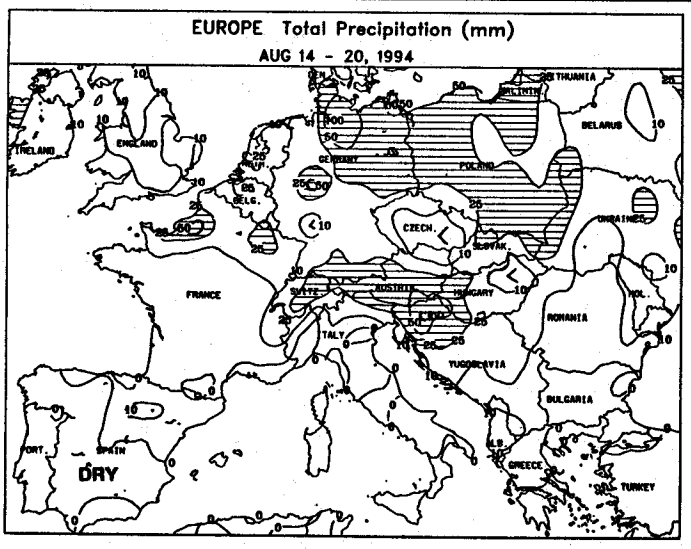
CANADA: Showers helped immature crops in the north, while early harvesting progressed in the southwest.



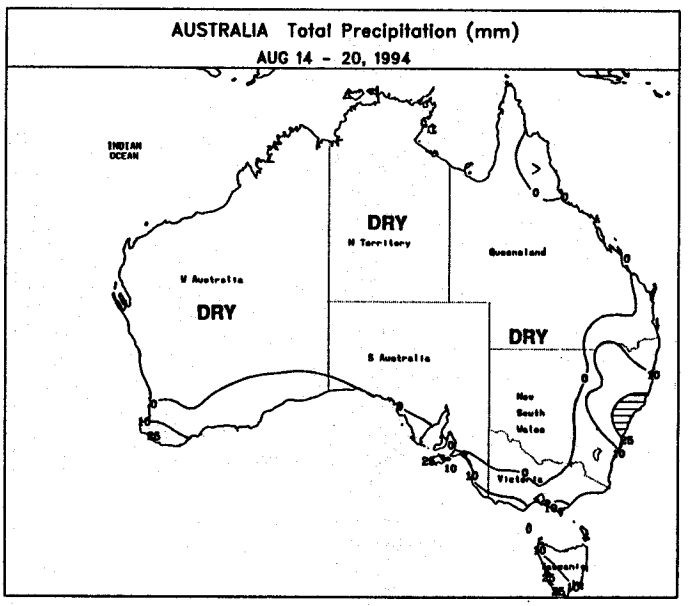
FSU-WESTERN: Unseasonably cool weather was accompanied by light to moderate showers (10-25 mm, with local amounts in excess of 25 mm) over the Baltic States, Belarus, and northern Russia (Northwest Region, Central Region, Central Black Soils, Volga Vyatsk, and upper Volga Valley). While the rain slowed spring grain harvesting, it increased topsoil moisture for planting 1995 winter grain crops. Planting usually begins in late August in the north and progresses southward during September. Cooler weather and scattered showers (10-30 mm) over Ukraine eased long-term dryness, stabilizing conditions for corn, sunflowers, and sugarbeets in the filling stage. Little, if any, precipitation fell over southern Russia (North Caucasus and lower Volga Valley), where dryness since mid-June has adversely affected corn, sunflowers, and sugarbeets. In addition, hot weather early in the week (maximum temperatures ranging from 31 to 33 degrees Celsius (C)) increased heat stress on crops.



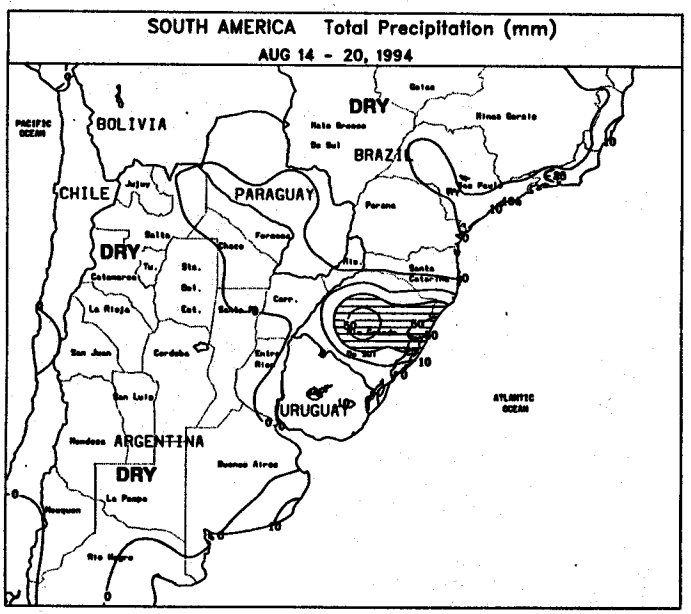
FSU-NEW LANDS: Welcomed dryness covered the Urals region of Russia, improving conditions for spring grain development. However, wet weather (25-50 mm, with local amounts in excess of 50 mm) fell over the eastern portion of Western Siberia, hampering spring grain maturation and early harvesting. Lesser amounts of rain (3-16 mm) covered Kazakhstan, causing only minor delays in early spring grain harvesting. Weekly average temperatures were 1-2 degrees C above normal in the west and 1-3 degrees C below normal in the east. In cotton-growing areas of Central Asia, unseasonably warm weather favored crop development.



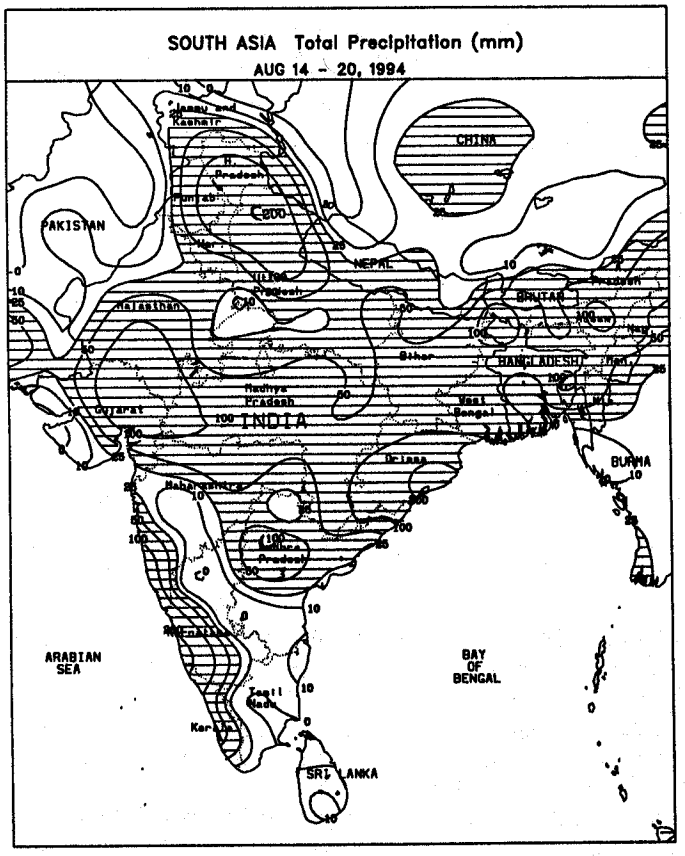
EUROPE: Widespread showers covered northeastern Europe, delaying winter crop harvesting but replenishing topsoil moisture for immature spring grains and summer crops. Weekly rainfall ranged from 25 to over 100 mm in eastern Germany and most of Poland. Scattered 10-25 mm amounts over northwestern Europe slowed harvest progress. Another area of heavier showers (25-50 mm) in central Europe again reached into western Hungary. However, rainfall diminished to less than 10 mm in eastern Hungary, where corn development has been hampered by warm, dry weather during the latter half of the growing season. Light showers (less than 10 mm) and maximum temperatures reaching into the low 30's C prevailed across southern Europe. Near- to slightly below-average temperatures halted the unseasonably warm weather that dominated northern Europe since July. In Scandinavia, showers and cool weather prevailed over crop areas of Norway and southern Sweden, while dry weather prevailed over Finland.



AUSTRALIA: Light rain (7-16 mm) fell across southern Queensland and northern New South Wales, increasing topsoil moisture for vegetative winter grains. However, much more rain is needed to end the drought. The rain likely came too late for winter grain planting. The southern wheat areas were mostly dry, where soil moisture is becoming limited. Only the southern portions of the western wheat areas received rain (5-15 mm), while the rest of the area reported little or no rain. Coastal northeast Queensland was dry, favoring sugarcane harvesting. Temperatures averaged near normal in the west and 1-2 degrees C below normal in the east.

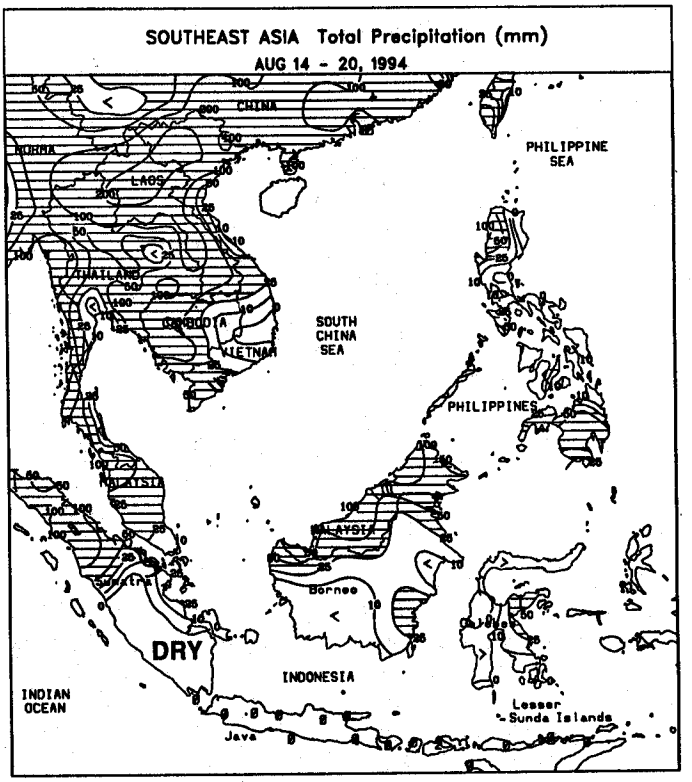


SOUTH AMERICA: In southern Brazil, near to freezing temperatures were reported across Santa Catarina and northern Rio Grande do Sul, stressing reproductive winter wheat. Light to moderate rain (10-40 mm, with isolated amounts greater than 50 mm) fell across the region, keeping soils moist. Seasonably dry weather continued to favor coffee, sugarcane, and citrus harvesting across Sao Paulo and Minas Gerais. In Argentina, mostly dry weather prevailed across the winter wheat areas. Temperatures averaged 1-2 degrees C below normal across Argentina and 1-3 degrees C above normal across southern Brazil.

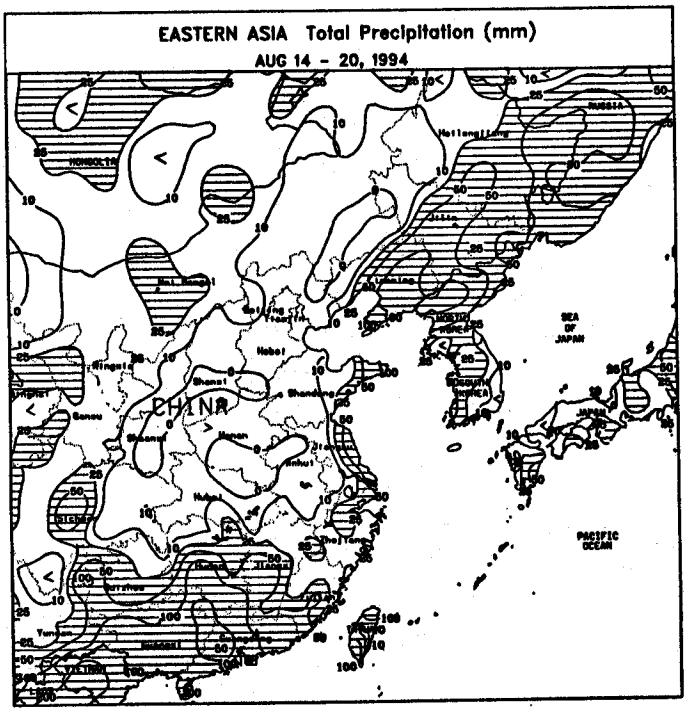


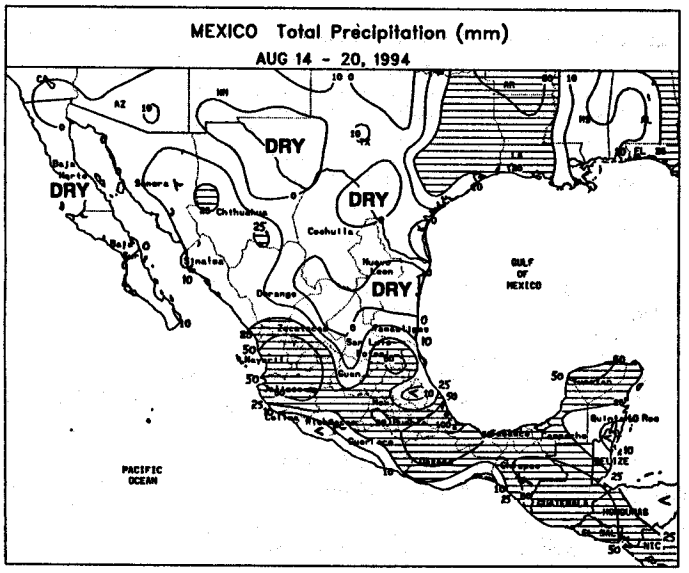
SOUTH ASIA: Substantial monsoon rainfall continued over most of India. Heavy showers (25-100 mm) covered most of Gujarat, improving moisture for groundnuts that had only light rainfall in recent weeks. Heavy rain also continued in the northwest. Some flooding likely occurred in Orissa, where 100-200 mm of rain fell. Abundant rains (50-100 mm or more) also covered Bangladesh and surrounding areas. In contrast to the wet weather pattern over most areas, dryness persisted over western Maharashtra, with less than 10 mm falling over the coarse grain and sugarcane areas. This dryness extended to southern Andhra Pradesh and Tamil Nadu.

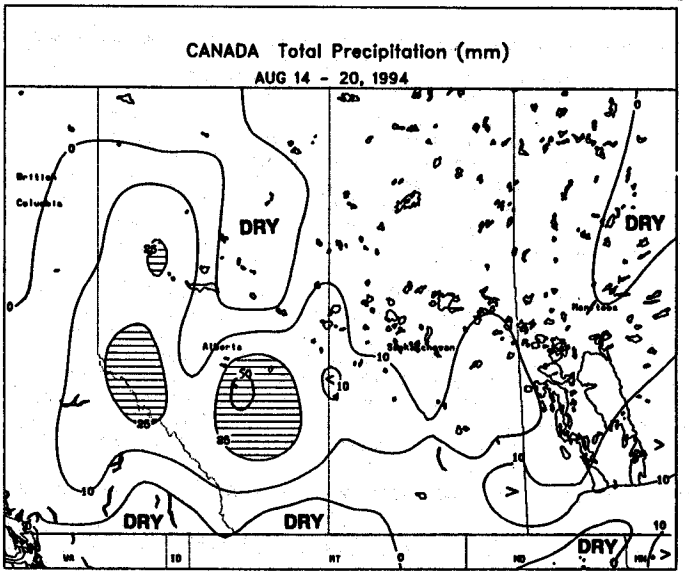
EASTERN ASIA: Widespread moderate to heavy showers (40-150 mm) continued across southern China (Guangdong, Guangxi, southern Hunan, and Jiangxi), causing additional flooding. Sunnier weather is needed for late double-crop rice approaching reproduction. The North China Plain and central China (north of the Yangtze Valley) were mostly dry (less than 10 mm). This region has been receiving somewhat-below-normal rainfall the past few weeks. Typhoon Ellie brushed eastern China on August 14-15, producing beneficial showers (10-70 mm) across Zhejiang, Jiangsu, and eastern Shandong. The storm then hit southern Liaoning on August 16, with sustained winds of 45-55 knots (52-63 mph). The remnants of Ellie produced widespread showers (20-130 mm) across most of Manchuria (missing the western sections), causing some flooding, but keeping corn and soybeans well watered. Temperatures averaged near normal along eastern China and Manchuria and 1-3 degrees C above normal across central (Sichuan) and northern China. South Korea received moderate showers (15-60 mm) across the western rice-growing areas. Light to moderate rain (10-40 mm, with heavier amounts of 40-80 mm across northern Honshu) covered most of Japan, replenishing rice irrigation supplies. Temperatures averaged 2-4 degrees C above normal across South Korea and Japan.



SOUTHEAST ASIA: Widespread rain soaked secondary rice and corn crops in Thailand and extended over most of the plantation crop areas of the Malay Peninsula. Heavy rain (100-200 mm) inundated Thailand's northern highlands, and northern portions of Laos and Vietnam. Rainfall also increased over southwestern rice areas of Thailand, with 25-100 mm falling over the region. Dry weather was restricted to a small area of south-central Vietnam, with less than 10 mm of rainfall providing little moisture to rainfed rice. In the Philippines, showers were confined to western Luzon, but increased from the previous week over Mindanao. Dry weather prevailed over Java.

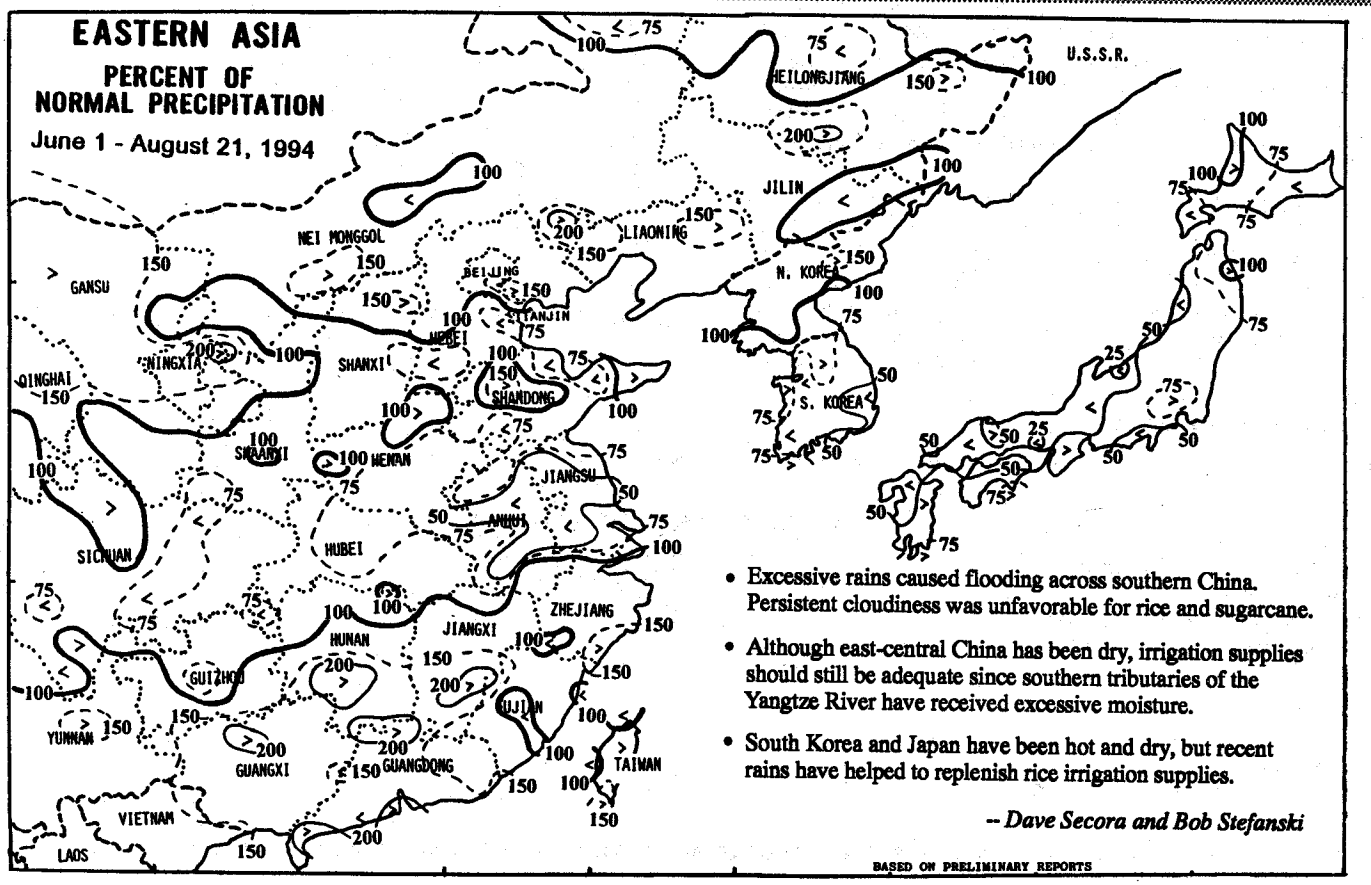






MEXICO: Widespread showers (20-70 mm) covered the Southern Plateau corn belt, benefiting reproductive to filling corn and sorghum. Showers (10-50 mm) also covered the Yucatan Peninsula, aiding germinating to vegetative corn. Light to moderate showers (10-25 mm) increased reservoir supplies across the western Sierra Madre. Temperatures averaged 1-2 degrees C above normal across the main corn belt.

CANADA: Beneficial showers fell over northern grain and oilseed areas of the Prairies, helping to fill immature crops. However, the band of rain missed the driest areas of the southwestern Prairies, where early harvesting of the moisture-deficient crop was underway. The heaviest rain (25-49 mm) fell over northern and central grain and oilseed areas of Alberta, while 10-20 mm amounts extended across northern crop areas of Saskatchewan and Manitoba. Warm weather prevailed early in the week, with maximum temperatures reaching the middle 30's C across the southern Prairies. More seasonable temperatures prevailed during the latter half of the week. In Ontario, mostly light showers and seasonable temperatures prevailed.



- Excessive rains caused flooding across southern China. Persistent cloudiness was unfavorable for rice and sugarcane.
- Although east-central China has been dry, irrigation supplies should still be adequate since southern tributaries of the Yangtze River have received excessive moisture.
- South Korea and Japan have been hot and dry, but recent rains have helped to replenish rice irrigation supplies.

-- Dave Secora and Bob Stefanski

The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic first class $45, foreign $55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to **U.S. Department of Commerce, NOAA.** POSTMASTER: Send address changes to **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250.** Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor (acting) . . *David Miskus* (202) 720-7919
Editor . . . . . *Brad Rippey* (202) 720-1444
Meteorologists: *David Secora, Jeff Savadel, Jeff Linhardt*

Subscriptions . . . . . *Joyce Houston* (202) 720-7917

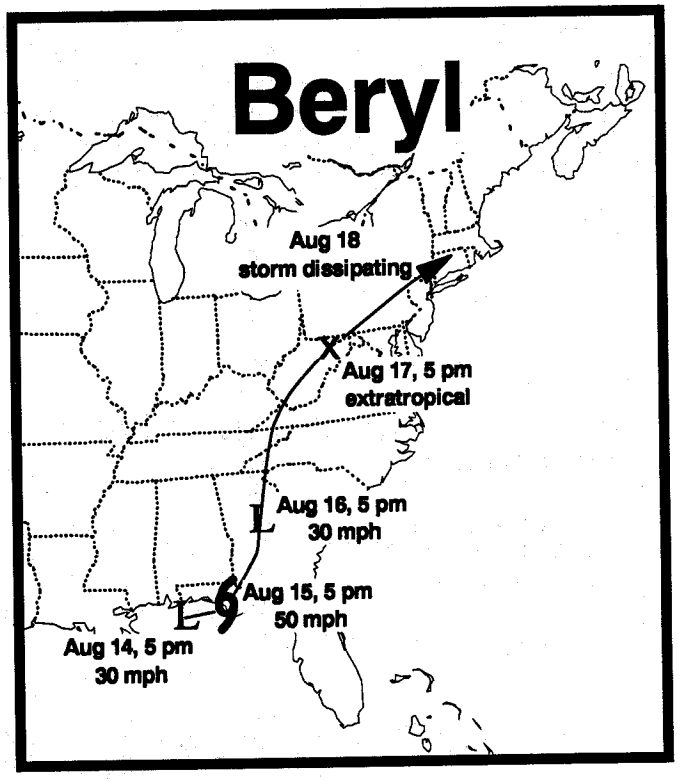
U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
E.M.S. Editor . . . . . *Sharon Lee*
National Agricultural Statistics Service
Agricultural Statistician . . *Greg Preston* (202) 720-7621
State Summaries Editor . . . *Klara Haskins* (202) 720-8033
World Agricultural Outlook Board
Agricultural Weather Analysts: *Ray Motha* (202) 720-9805
Tom Puterbaugh, Mark Brusberg, Bob Stefanski

Tropical Storm Beryl Soaks the Eastern United States

Beryl, the second named tropical system of the 1994 Atlantic hurricane season, made landfall near Panama City, FL during the evening hours of August 15. Maximum sustained winds were near 50 miles per hour (mph), with gusts to 64 mph reported along the Florida coast at Turkey Point (in Franklin County) and inland at Tallahassee. However, Beryl's chief impact was heavy rainfall and tornadic thunderstorms.

In Florida, Apalachicola reported the heaviest 24-hour rainfall, with 9.26 inches on Monday. Tallahassee, FL recorded a 24-hour total of 4.57 inches (August 15), and a 48-hour total of 6.89 inches (August 15-16). Widespread flooding affected the Florida Panhandle east of the point of landfall. Once inland, Beryl accelerated (unlike the remnants of Tropical Storm Alberto in early July), surging northward to near Atlanta, GA by the evening of August 16, where it was downgraded to an extratropical low pressure system. The storm's circulation center proceeded northward into West Virginia on Wednesday before turning northeastward toward southern New England and losing definition on Thursday. Nevertheless, Beryl's remnant spin and deep-layered tropical moisture induced severe weather and additional heavy rainfall.

On Tuesday afternoon into Tuesday night, three dozen tornadoes struck a corridor from northeastern Georgia to southern Virginia. Most of the twisters ripped across the western Carolinas, including 19 in South Carolina and 13 in North Carolina. Where mountainous terrain interacted with the tropical moisture, the primary concern was heavy rainfall, as amounts topped 4 inches from northeastern Georgia to southern New York. Flooding was widespread, but generally minor, as the system's intense rainfall was offset by its rapid movement.



NOAA/USDA Joint Agricultural Weather Facility
USDA South Building, Room 5844
Washington, DC 20250

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

WEEKLY NEWS BULLETIN
FIRST CLASS

FIRST CLASS MAIL
POSTAGE & FEES PAID
NOAA
PERMIT NO. G-19