WEEKLY WEATHER AND CROP BULLETIN

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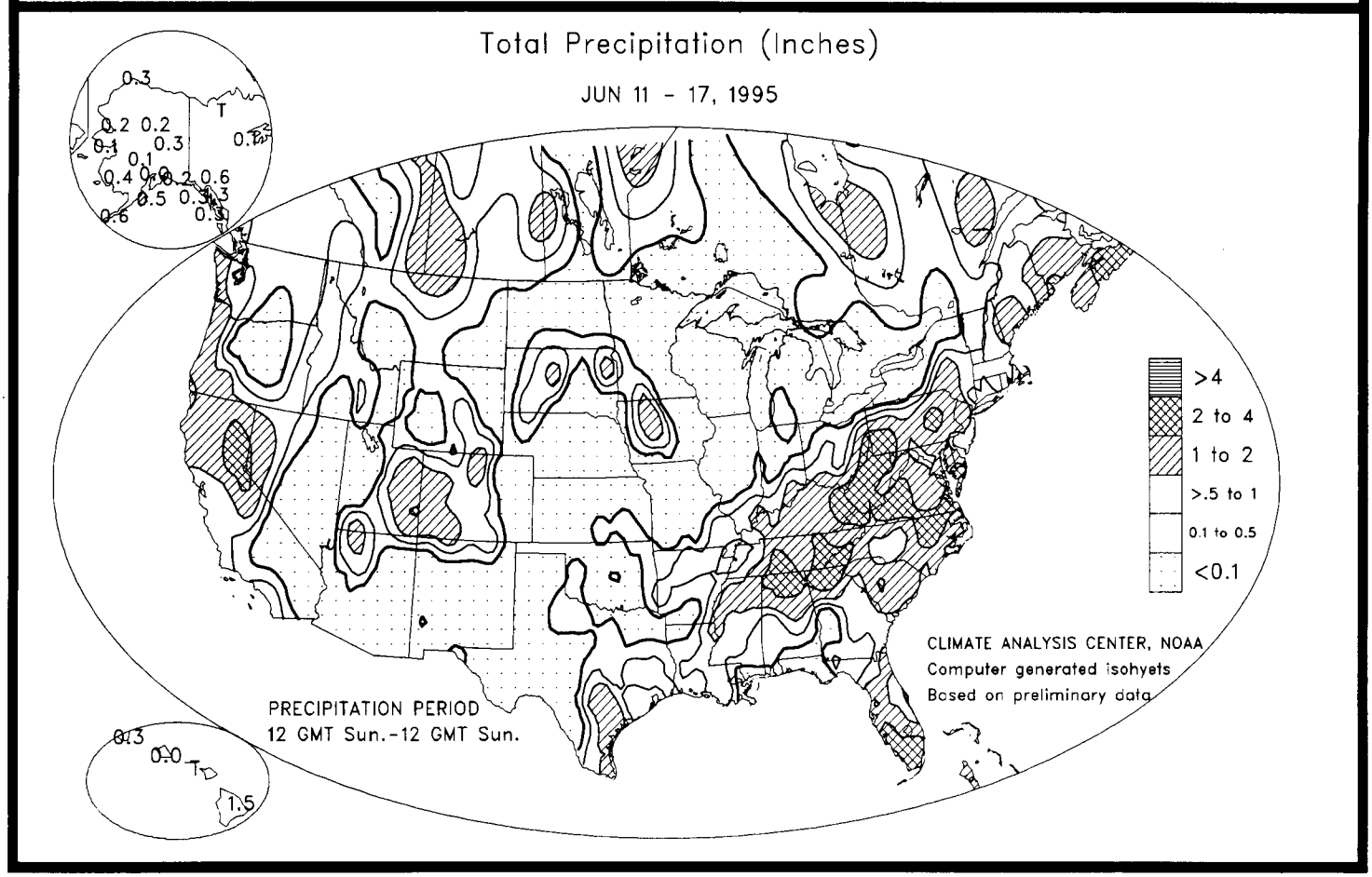

HIGHLIGHTS

June 11 - 17, 1995

Very warm and dry conditions promoted rapid planting progress and crop development in the **central Plains** and **western Corn Belt**, marking the end of a 9-week stretch of excessively cool, wet weather. Cool air, preceded by showers, shifted into the **Southeast**, ending a 5-week warm spell. Meanwhile in the **West**, a strong late-season storm delivered heavy precipitation and held weekly temperatures as much as 12°F below normal.

Early in the week, rain boosted topsoil moisture from **New England** to **southern Texas**. Totals locally exceeded 2 inches from the **Tennessee Valley** to the **Middle Atlantic States**. Meanwhile, cool air lingered over the **central Plains** and **western Corn Belt** through Monday, setting or tying nearly a dozen daily record. Lows on Sunday included 40°F in **Goodland,**

(Continued to p. 9)

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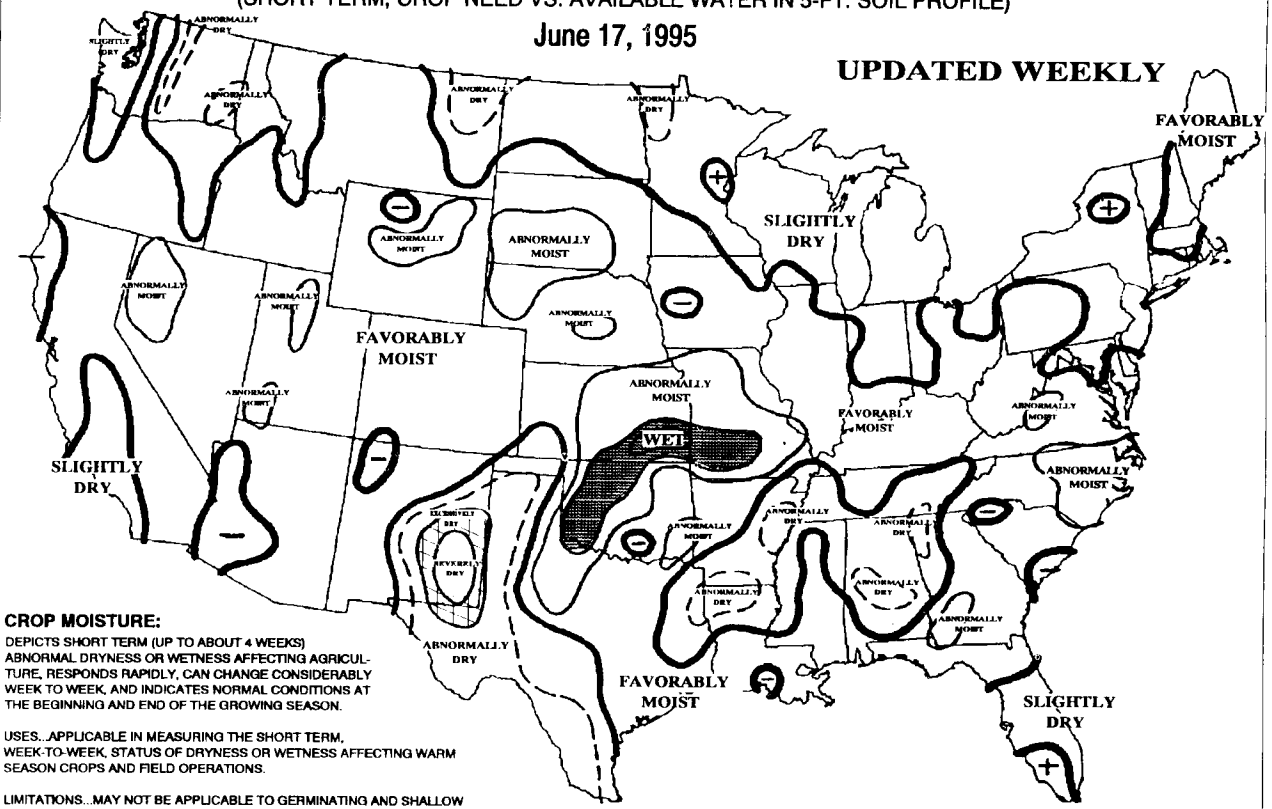
CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

June 17, 1995

UPDATED WEEKLY



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.

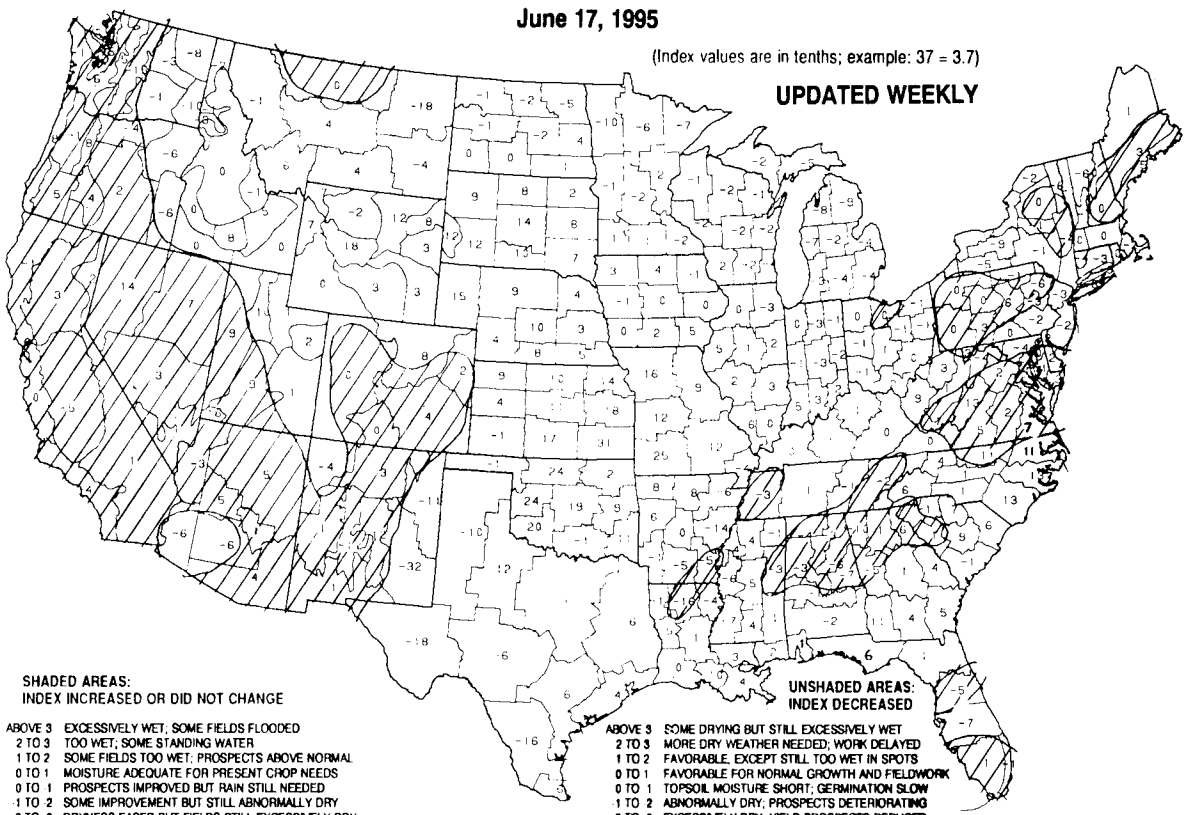
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

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

June 17, 1995

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

UPDATED WEEKLY



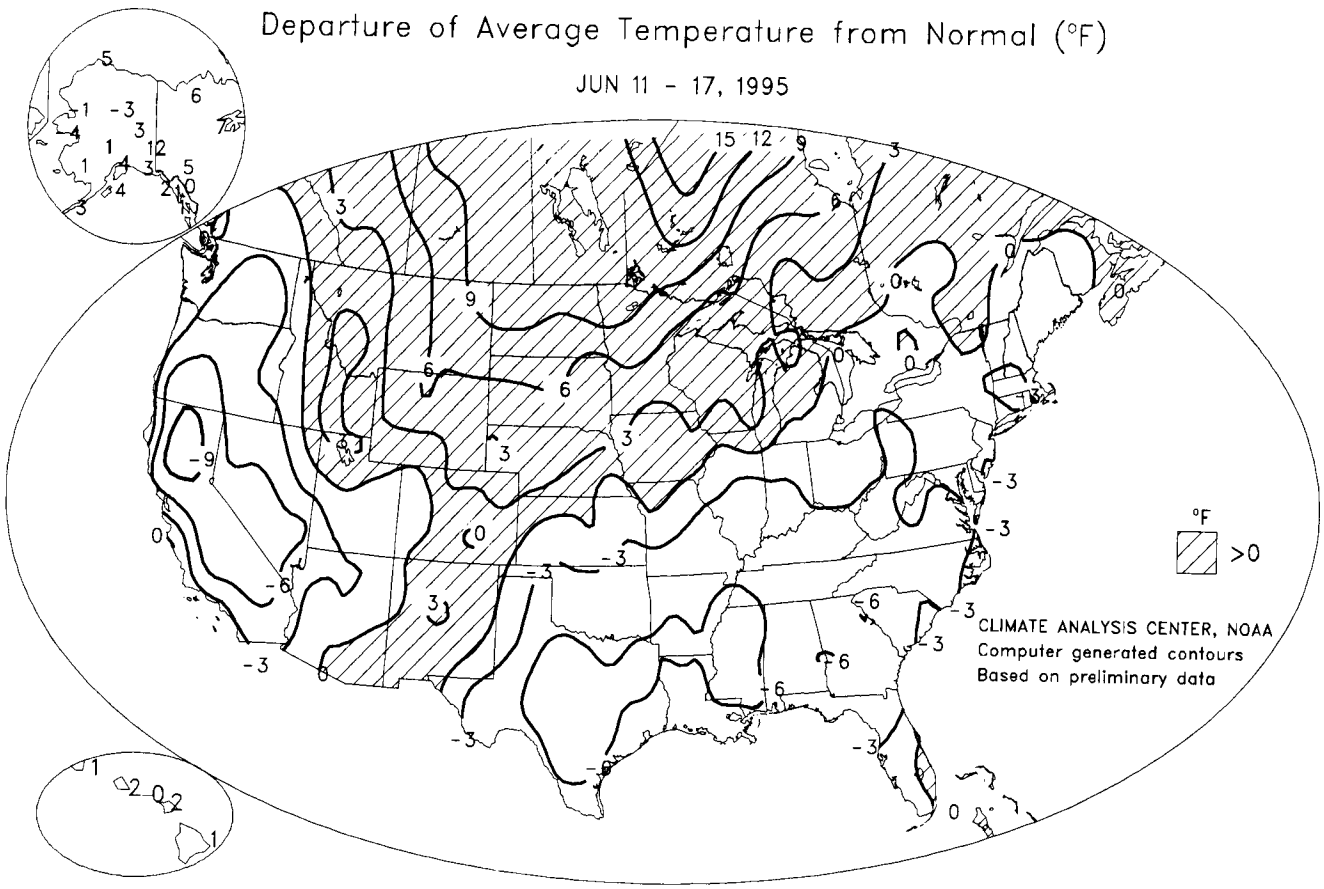
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

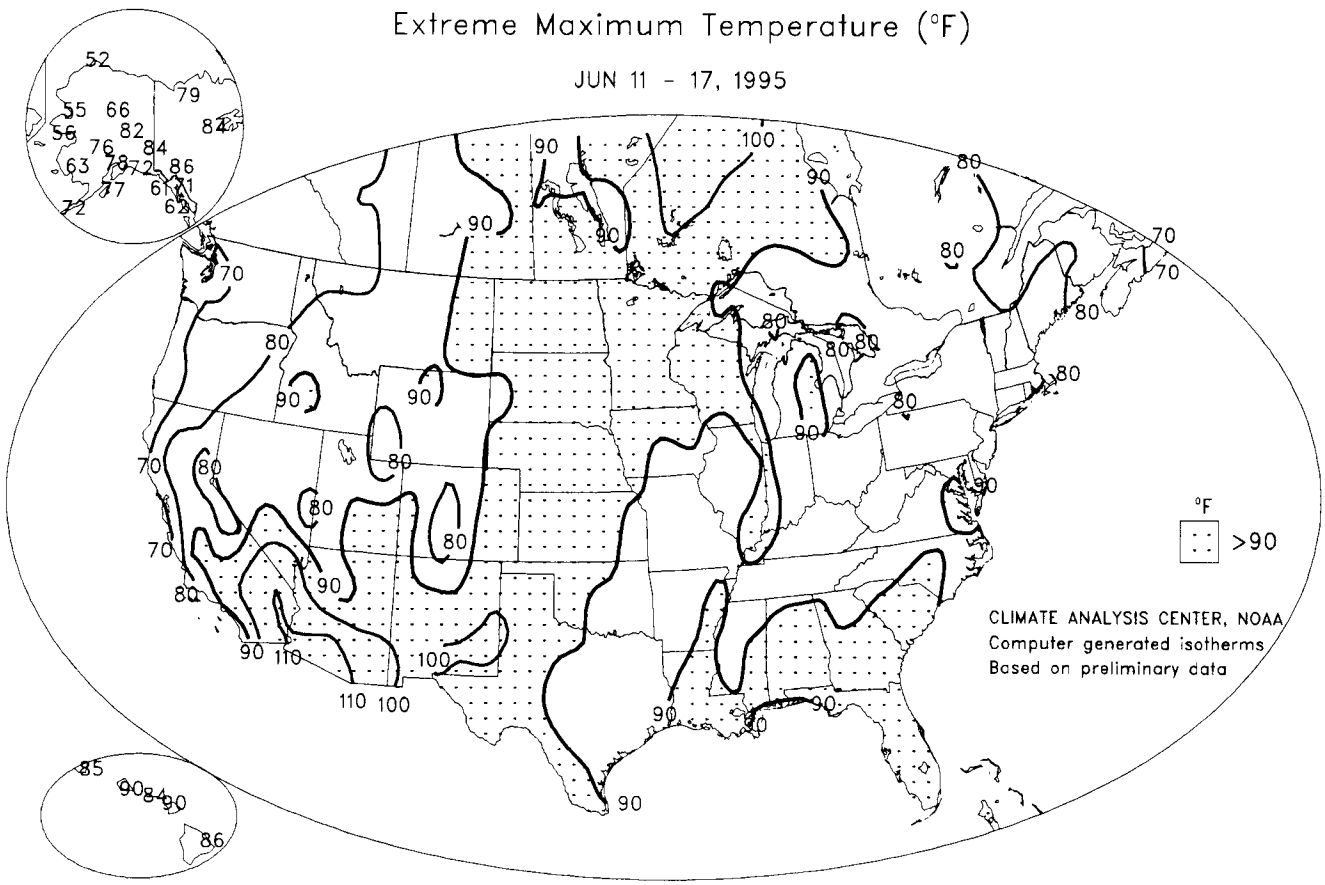
ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
0 TO 1	MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3	DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4	SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
BELOW -4	NOT ENOUGH RAIN; 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	EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
-3 TO -4	POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4	EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports


Departure of Average Temperature from Normal (°F)
JUN 11 - 17, 1995
°F
>0
CLIMATE ANALYSIS CENTER, NOAA
Computer generated contours
Based on preliminary data


Extreme Maximum Temperature (°F)
JUN 11 - 17, 1995
°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 June 17, 1995

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	84	59	92	51	71	-5	.4	-.4	.3	.6	30	19.1	68	90	38	1	0	2	0
MOBILE	86	62	91	55	74	-6	T	-1.1	T	1.7	62	39.6	134	90	41	1	0	1	0
MONTGOMERY	88	60	97	54	74	-4	.0	-1.2	.0	.5	17	21.1	77	88	35	3	0	0	0
AK ANCHORAGE	66	49	78	44	58	4	T	-.3	T	T	2	3.6	84	86	51	0	0	0	0
BARROW	44	33	52	30	38	5	.3	.3	.3	.3	356	1.2	144	96	75	0	2	2	0
FAIRBANKS	74	51	82	44	63	3	.3	.0	.3	.6	93	2.3	77	83	34	0	0	1	0
JUNEAU	58	48	71	46	53	0	1.3	.6	.6	1.9	110	--	--	99	76	0	0	5	1
KODIAK	59	47	77	43	53	4	.5	-.6	.3	3.8	133	38.2	128	88	64	0	0	2	0
NOME	47	36	56	34	41	-4	.1	-.1	.1	.1	19	6.1	160	93	71	0	0	3	0
AZ PHOENIX	100	73	110	63	87	-1	.0	.0	.0	.0	0	3.1	119	33	9	5	0	0	0
PRESCOTT	81	52	92	41	67	0	T	-.1	T	T	0	4.9	78	42	15	2	0	0	0
TUCSON	102	67	109	60	85	1	.0	.0	.0	.0	0	3.7	135	37	8	6	0	0	0
YUMA	98	70	108	60	84	-3	.0	.0	.0	.0	0	1.9	192	44	15	5	0	0	0
AR FORT SMITH	83	61	87	55	72	-5	.2	-.6	.2	2.9	139	21.1	107	95	44	0	0	1	0
LITTLE ROCK	81	62	88	56	72	-5	.6	-.4	.6	1.3	50	20.2	85	68	43	0	0	1	1
CA BAKERSFIELD	84	57	96	50	70	-7	.1	.1	.1	.1	171	7.9	207	46	20	2	0	1	0
EUREKA	62	49	64	43	56	0	1.3	1.2	.9	1.6	435	35.7	172	93	69	0	0	4	1
FRESNO	82	54	94	46	68	-8	.7	.6	.7	.7	943	15.2	218	72	23	3	0	1	1
LOS ANGELES	71	57	79	52	64	-1	.6	.6	.4	.6	>1000	21.0	271	91	62	0	0	2	0
REDDING	74	55	87	51	65	-11	1.8	1.6	.9	1.8	456	46.6	250	88	42	0	0	4	2
SACRAMENTO	75	52	86	49	63	-8	.5	.4	.3	.5	671	23.8	223	95	42	0	0	3	0
SAN DIEGO	70	59	80	57	65	-2	.4	.4	.3	.5	657	15.8	256	90	62	0	0	3	0
SAN FRANCISCO	65	52	67	51	58	-3	.6	.6	.4	.6	857	21.0	172	93	59	0	0	3	0
CO DENVER	83	55	90	42	69	2	.2	-.2	.1	1.5	143	9.2	123	73	27	1	0	2	0
GRAND JUNCTION	86	57	96	49	72	-1	.9	.7	.9	1.2	274	7.1	153	59	15	4	0	1	1
PUEBLO	87	51	95	45	69	-2	T	-.3	T	.8	120	8.6	207	83	25	4	0	0	0
CT BRIDGEPORT	76	58	83	54	67	0	.6	-.3	.4	1.0	50	14.8	75	80	52	0	0	3	0
HARTFORD	75	53	88	47	64	-4	.2	-.7	.1	.7	30	14.9	73	93	51	0	0	3	0
DC WASHINGTON	81	62	90	58	71	-4	.8	.1	.5	1.1	57	14.2	84	81	35	1	0	2	0
FL PANAMA CITY	84	66	87	63	75	-3	.1	-1.4	.1	4.6	135	19.1	71	86	47	0	0	1	0
DAYTONA BEACH	86	70	91	66	78	-1	.1	-1.4	.1	3.0	92	10.6	60	91	53	1	0	1	0
JACKSONVILLE	86	64	97	57	75	-4	2.3	1.0	1.1	4.1	138	15.2	78	94	47	2	0	3	2
KEY WEST	88	77	90	72	83	-1	.8	-.4	.6	2.2	76	11.2	82	80	60	2	0	2	1
MIAMI	87	75	88	71	81	-1	2.9	.6	1.3	7.7	143	23.5	112	82	56	0	0	3	3
ORLANDO	87	69	93	66	78	-3	1.4	-.4	.7	4.5	116	14.4	81	89	50	1	0	3	2
TALLAHASSEE	88	62	95	55	75	-5	1.5	-.1	1.5	6.5	178	24.2	84	84	43	2	0	2	1
TAMPA	89	69	93	65	79	-2	.2	-1.1	.2	2.6	90	13.3	87	87	50	2	0	3	0
WEST PALM BEACH	87	73	90	66	80	-1	1.0	-.9	.6	3.2	69	12.5	55	84	55	2	0	4	1
GA ATLANTA	83	62	91	57	73	-3	.2	-.6	.1	1.3	68	19.2	74	83	41	1	0	2	0
AUGUSTA	85	61	92	55	73	-5	.6	-.4	.4	4.8	209	20.1	90	90	44	1	0	2	0
MACON	84	60	92	53	72	-6	.4	-.5	.4	2.6	132	18.9	82	91	42	1	0	1	0
SAVANNAH	86	66	94	60	76	-3	.2	-1.1	.2	3.3	108	15.1	73	87	41	1	0	1	0
HI HILO	84	69	86	67	77	1	1.5	.2	.8	3.3	96	30.4	48	91	57	0	0	5	1
HONOLULU	88	75	90	73	82	2	T	-.1	T	T	0	9.7	88	74	50	1	0	0	0
KAHULUI	88	72	90	65	80	2	T	.0	T	.2	88	8.3	66	74	46	1	0	1	0
LIHUE	84	74	85	72	79	1	.3	-.1	.2	.4	42	13.6	65	78	62	0	0	3	0
ID BOISE	80	51	91	45	66	0	.4	.2	.3	.5	88	7.9	120	74	26	1	0	3	0
LEWISTON	71	55	79	52	63	-4	T	-.3	T	.2	21	5.9	92	77	41	0	0	0	0
POCATELLO	81	48	86	45	65	2	T	-.2	T	1.7	273	9.4	146	83	29	0	0	0	0
IL CHICAGO	83	57	90	49	70	2	.0	-.9	.0	.4	19	15.7	107	73	32	2	0	0	0
MOLINE	83	57	90	50	70	-1	T	-1.0	T	.6	27	19.1	117	82	35	1	0	0	0
PEORIA	82	55	88	48	69	-3	.0	-.9	.0	.2	10	20.2	130	87	39	0	0	0	0
QUINCY	79	58	86	52	69	-3	T	-.9	T	.1	6	16.0	97	80	42	0	0	0	0
ROCKFORD	83	56	89	49	70	1	.0	-1.1	.0	.9	34	15.1	103	90	37	0	0	0	0
SPRINGFIELD	82	58	89	48	70	-3	T	-.8	T	.5	24	18.7	119	78	35	0	0	0	0
IN EVANSVILLE	83	59	91	51	71	-4	1.1	.2	1.1	2.8	135	30.2	136	85	37	1	0	1	1
FORT WAYNE	81	55	89	48	68	-2	.0	-.9	.0	1.2	60	15.8	101	88	37	0	0	0	0
INDIANAPOLIS	81	55	89	46	68	-3	T	-.8	T	.3	18	16.8	92	87	35	0	0	1	0
SOUTH BEND	80	54	90	44	67	-2	T	-1.0	T	.3	13	14.5	87	80	37	1	0	0	0
IA DES MOINES	82	60	88	50	71	1	.2	-.9	.2	1.4	52	18.1	125	83	33	0	0	1	0
SIOUX CITY	88	59	99	45	74	3	.0	-.9	.0	1.7	81	13.9	122	82	31	4	0	0	0
WATERLOO	84	58	91	49	71	2	T	-1.0	T	1.8	72	12.9	92	87	34	1	0	1	0
KS CONCORDIA	86	60	92	47	73	0	.0	-1.1	.0	1.2	47	15.1	119	82	37	3	0	0	0
DODGE CITY	87	57	96	43	72	-2	.0	-.7	.0	.2	11	10.4	110	86	36	2	0	0	0
GOODLAND	86	54	95	40	70	1	.0	-.8	.0	1.5	82	10.1	118	88	36	3	0	0	0
TOPEKA	83	60	89	52	72	-1	T	-1.3	T	2.0	63	21.3	140	84	38	0	0	0	0
WICHITA	86	61	94	51	73	-1	.0	-1.4	.0	5.3	162	17.9	118	85	38	2	0	0	0
KY BOWLING GREEN	81	57	88	52	69	-5	.4	-.6	.2	1.7	72	19.4	78	94	47	0	0	2	0
LEXINGTON	80	57	86	51	69	-3	1.1	.2	1.0	3.3	162	26.7	128	88	50	0	0	2	1
LOUISVILLE	81	60	86	54	70	-3	.7	-.1	.6	1.5	76	20.6	95	89	50	0	0	2	1
LA BATON ROUGE	86	62	92	58	74	-6	.1	-.9	.0	.3	12	39.9	143	99	50	2	0	2	0
LAKE CHARLES	89	66	91	60	77	-3	.1	-1.0	.1	1.2	43	25.8	111	94	44	3	0	3	0
NEW ORLEANS	86	67	92	62	76	-4	.1	-1.3	.1	1.1	33	42.6	151	86	39	1	0	1	0
SHREVEPORT	86	62	91	58	74	-4	.2	-.8	.2	.5	19	24.8	101	92	42	3	0	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending June 17, 1995

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
ME CARIBOU	70	50	80	43	60	0	.5	-.1	.3	.9	58	16.1	116	84	48	0	0	3	0
PORTLAND	70	52	84	49	61	-1	1.9	1.1	.9	2.6	130	18.7	92	96	64	0	0	4	2
MD BALTIMORE	82	61	92	57	72	-1	.6	-.2	.4	1.0	46	12.6	68	80	43	1	0	2	0
SALISBURY	81	58	89	51	70	-2	1.9	1.1	1.0	2.4	118	13.6	68	96	49	0	0	4	1
MA BOSTON	72	58	87	56	65	-2	.6	-.1	.3	1.5	84	13.8	71	88	57	0	0	5	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	80	45	94	37	62	1	T	-.7	T	.2	9	8.2	70	89	31	2	0	0	0
DETROIT	80	55	91	48	68	0	T	-.8	T	.1	4	12.2	87	80	38	1	0	1	0
FLINT	80	49	90	43	65	-1	.0	-.8	.0	.4	22	9.4	77	82	39	1	0	0	0
GRAND RAPIDS	81	52	88	44	67	0	.3	-.6	.3	3.1	146	14.9	103	83	36	0	0	1	0
HOUGHTON LAKE	82	49	89	40	65	3	.0	-.7	.0	.1	8	9.0	80	72	33	0	0	0	0
LANSING	79	50	88	40	65	-1	T	-.8	T	.1	5	11.3	90	91	41	0	0	0	0
MARQUETTE	81	52	92	40	66	7	T	-.8	T	.7	33	14.5	101	75	35	1	0	1	0
MUSKEGON	78	53	85	43	66	1	.0	-.6	.0	.4	29	11.7	88	84	41	0	0	0	0
SAULT ST. MARIE	74	46	85	38	60	3	.1	-.7	.1	.7	41	12.8	96	87	46	0	0	1	0
MN ALEXANDRIA	86	60	99	48	73	7	.0	-1.0	.0	.4	19	--	--	84	36	3	0	0	0
DULUTH	79	52	93	43	66	6	T	-.9	T	.5	23	11.2	99	78	39	1	0	0	0
INT'L FALLS	86	54	99	40	70	9	.0	-.9	.0	1.0	47	7.0	80	82	31	2	0	0	0
MINNEAPOLIS	85	58	95	45	72	4	.0	-1.0	.0	2.0	87	9.1	76	80	35	2	0	0	0
ROCHESTER	83	56	93	43	69	3	.0	-.9	.0	.8	40	10.5	91	82	36	1	0	0	0
MS GREENWOOD	87	61	90	57	74	-5	T	-1.0	T	.1	5	21.0	75	89	39	1	0	1	0
JACKSON	84	58	89	53	71	-7	.3	-.5	.3	.8	42	26.0	89	93	40	0	0	1	0
MERIDIAN	86	61	93	54	74	-4	.6	-.3	.6	1.0	48	27.2	93	90	37	1	0	1	1
MO CAPE GIRARDEAU	81	61	89	57	71	-5	.7	-.2	.7	1.2	55	22.0	96	88	40	0	0	1	1
COLUMBIA	81	59	87	54	70	-1	T	-.9	T	1.8	78	28.8	168	93	50	0	0	1	0
KANSAS CITY	83	61	88	51	72	-1	.0	-1.1	.0	2.0	74	20.8	133	85	46	0	0	0	0
SAINT LOUIS	81	63	89	56	72	-3	.1	-.8	.1	1.3	62	26.5	155	79	39	0	0	1	0
SPRINGFIELD	80	58	86	50	69	-3	.2	-1.1	.2	4.9	156	27.4	141	86	40	0	0	1	0
MT BILLINGS	84	55	87	45	70	5	.2	-.3	.2	1.2	98	9.3	112	73	33	0	0	1	0
GLASGOW	87	58	91	47	72	8	.3	-.2	.3	2.5	210	5.9	125	78	30	3	0	2	0
GREAT FALLS	78	50	80	46	64	2	.1	-.5	.0	2.3	154	7.9	99	94	43	0	0	2	0
HAVRE	81	52	83	45	67	3	T	-.4	T	2.5	245	6.4	123	92	35	0	0	1	0
HELENA	82	47	85	41	64	2	.1	-.4	.1	1.5	130	6.3	112	85	29	0	0	1	0
KALISPELL	70	45	77	38	58	0	.5	-.1	.2	2.5	185	7.9	100	93	50	0	0	3	0
MILES CITY	88	60	94	45	74	8	.1	-.6	.1	.6	37	6.5	94	85	32	4	0	1	0
MISSOULA	77	51	85	42	64	5	.2	-.2	.1	1.6	146	5.3	77	77	35	0	0	4	0
NE GRAND ISLAND	86	59	94	44	72	1	.1	-.8	.1	2.2	94	13.9	119	85	36	3	0	1	0
LINCOLN	85	59	93	46	72	0	T	-.9	T	1.1	49	15.4	126	88	41	2	0	0	0
NORFOLK	87	59	96	45	73	3	.0	-1.1	.0	1.7	66	16.1	138	82	33	2	0	0	0
NORTH PLATTE	85	58	92	42	72	4	.0	-.8	.0	1.3	68	10.4	110	88	40	2	0	0	0
OMAHA	86	59	94	47	73	1	.0	-.9	.0	.9	39	15.5	119	84	35	3	0	0	0
SCOTTSBLUFF	86	53	94	38	70	3	T	-.6	T	3.0	189	12.0	151	92	37	1	0	1	0
VALENTINE	88	59	97	40	74	5	T	-.8	T	1.4	70	12.0	122	77	29	4	0	0	0
NV ELY	73	42	84	29	57	-2	.4	.2	.4	1.5	269	8.7	174	68	26	0	1	1	0
LAS VEGAS	93	68	106	51	81	-4	T	.0	T	T	29	3.6	190	34	11	4	0	1	0
RENO	72	46	86	40	59	-6	.7	.6	.5	1.2	397	9.7	232	66	27	0	0	2	0
WINNEMUCCA	75	41	88	35	58	-6	.5	.3	.5	1.0	194	7.6	174	73	26	0	0	2	0
NH CONCORD	74	50	86	42	62	-2	.8	.1	.3	1.3	71	14.4	92	98	52	0	0	4	0
NJ ATLANTIC CITY	77	54	83	47	65	-4	.7	.1	.3	2.2	153	14.8	80	97	56	0	0	4	0
NM ALBUQUERQUE	92	63	98	55	78	4	T	-.1	T	T	0	1.9	69	42	11	4	0	0	0
CLOVIS	90	58	101	49	74	1	.0	-.7	.0	T	0	3.0	52	62	18	4	0	0	0
ROSWELL	94	63	101	55	79	1	.0	-.4	.0	.0	0	.8	22	54	20	5	0	0	0
NY ALBANY	74	49	84	45	62	-5	.4	-.5	.3	2.3	109	11.8	74	94	46	0	0	2	0
BINGHAMTON	73	51	81	47	62	-2	1.0	.2	.7	1.7	83	12.4	77	82	46	0	0	2	1
BUFFALO	76	52	83	48	64	-2	T	-.9	T	.5	23	13.1	83	83	33	0	0	0	0
NEW YORK	79	63	87	60	71	0	.9	.1	.6	1.1	55	13.6	71	80	47	0	0	4	1
ROCHESTER	78	50	87	44	64	-1	T	-.7	T	.4	24	8.5	63	88	31	0	0	0	0
SYRACUSE	78	48	88	43	63	-2	.1	-.8	.1	.8	40	9.7	61	88	35	0	0	2	0
NC ASHEVILLE	75	53	84	46	64	-5	1.5	.3	.8	4.9	177	24.3	94	96	53	0	0	3	1
CHARLOTTE	82	60	89	54	71	-5	.3	-.4	.3	3.0	155	17.8	87	83	43	0	0	2	0
GREENSBORO	81	58	88	51	69	-3	.6	-.3	.5	2.6	121	13.6	71	84	48	0	0	2	0
HATTERAS	83	67	87	61	75	1	.9	.0	.6	4.6	202	23.4	99	85	46	0	0	2	1
NEW BERN	83	64	88	58	73	-2	T	-1.2	T	.4	12	10.0	43	94	51	0	0	0	0
RALEIGH	82	59	89	54	71	-4	.9	.0	.6	3.2	155	20.0	102	91	43	0	0	2	1
WILMINGTON	83	62	88	56	73	-3	1.2	.1	1.2	5.8	226	26.2	113	95	49	0	0	1	1
ND BISMARCK	86	59	93	38	72	8	.0	-.7	.0	.2	15	7.7	109	87	37	3	0	0	0
FARGO	89	60	100	43	75	9	.0	-.7	.0	.6	39	7.4	92	73	33	4	0	0	0
GRAND FORKS	89	61	100	44	75	11	.0	-.7	.0	.8	53	5.6	78	75	30	4	0	0	0
WILLISTON	93	57	101	42	75	11	.0	-.5	.0	.6	46	5.8	94	86	26	5	0	0	0
OH AKRON-CANTON	78	53	86	46	66	-2	.1	-.7	.0	.5	30	18.0	110	81	34	0	0	2	0
CINCINNATI	80	57	87	50	69	-2	.4	-.5	.4	.8	38	21.6	110	91	47	0	0	2	0
CLEVELAND	78	53	88	46	66	-2	T	-.8	T	.3	16	17.9	113	87	39	0	0	1	0
COLUMBUS	81	56	88	47	68	0	.3	-.6	.1	2.7	125	18.5	109	88	45	0	0	3	0
DAYTON	80	58	88	53	69	-1	.3	-.6	.2	1.1	48	21.9	127	85	41	0	0	2	0

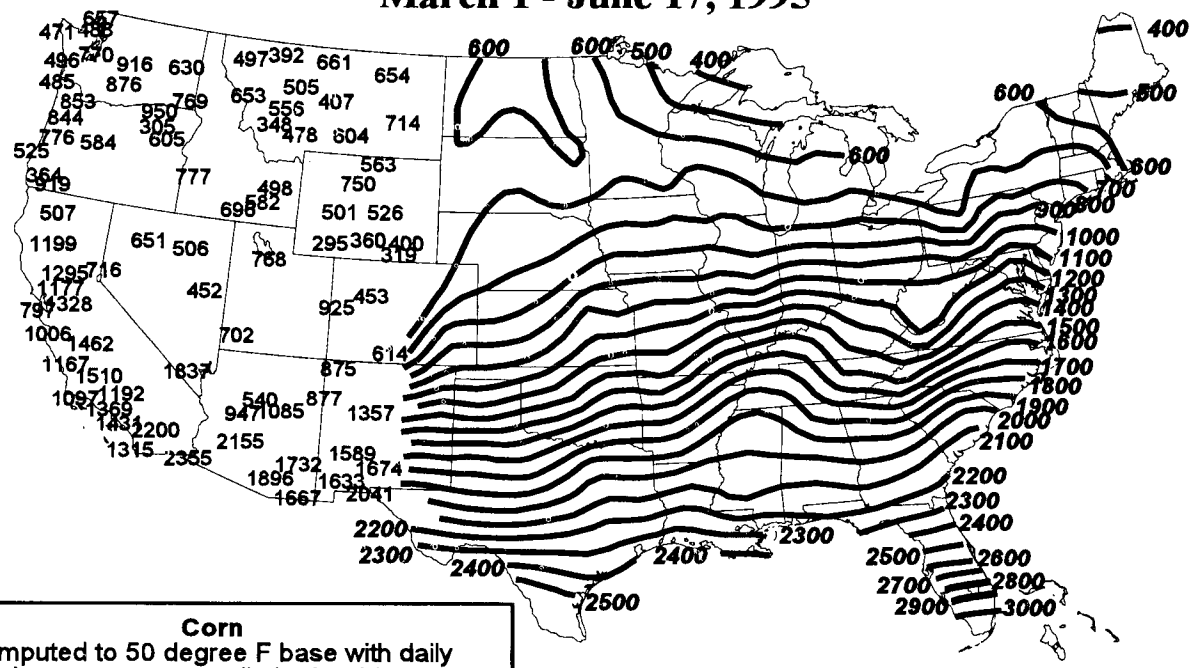
Based on 1961-90 normals.

Weather Data for the Week Ending June 17, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTRME 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
TOLEDO	82	54	91	48	68	0	T	-.9	T	1.0	49	13.8	98	84	38	1	0	0	0
YOUNGSTOWN	77	49	84	42	63	-3	.1	-.9	.0	1.4	62	14.1	87	87	40	0	0	2	0
OK OKLAHOMA CITY	83	60	87	53	71	-5	.2	-.9	.2	4.8	181	17.5	109	90	43	0	0	1	0
TULSA	84	62	88	54	73	-5	.2	-.8	.2	4.9	181	25.0	131	89	41	0	0	1	0
OR ASTORIA	61	49	62	45	55	-2	1.1	.5	.5	2.0	132	34.8	103	95	69	0	0	6	0
BURNS	69	41	80	32	55	-2	.5	.3	--	.6	122	8.1	165	79	31	0	1	-	-
MEDFORD	69	49	74	44	59	-7	.7	.6	.5	1.1	282	12.7	141	89	46	0	0	4	1
PENDLETON	68	50	73	47	59	-7	.2	.1	.2	1.5	366	10.3	164	88	53	0	0	2	0
PORTLAND	66	53	72	47	60	-4	.9	.6	.4	1.8	191	19.5	107	84	59	0	0	5	0
SALEM	67	51	71	38	59	-2	.7	.4	.3	1.1	134	24.2	123	88	60	0	0	5	0
PA ALLENTOWN	79	57	84	52	68	-2	1.0	.2	.8	1.3	62	16.0	83	88	47	0	0	2	1
ERIE	74	52	86	48	63	-3	T	-1.0	T	.8	34	13.9	84	86	43	0	0	0	0
HARRISBURG	80	59	85	51	69	-2	.5	-.4	.3	1.9	85	13.5	72	87	47	0	0	2	0
PHILADELPHIA	81	62	89	59	72	2	.2	-.7	.2	.3	14	12.1	59	87	47	0	0	2	0
PITTSBURGH	79	54	85	50	67	-1	.7	-.1	.4	2.3	111	13.3	78	83	35	0	0	2	0
SCRANTON	77	52	84	47	65	-2	1.0	.1	.6	1.4	60	10.4	67	86	44	0	0	3	1
RI PROVIDENCE	73	56	87	53	65	-2	.8	.1	.5	2.6	132	17.6	82	88	56	0	0	4	0
SC CHARLESTON	85	66	91	60	76	-3	.5	-1.0	.5	3.5	101	15.0	71	91	46	1	0	2	0
COLUMBIA	86	61	92	54	73	-4	.7	-.4	.4	7.1	274	22.6	99	90	42	1	0	3	0
FLORENCE	87	64	94	58	75	-2	.5	-.5	.5	5.4	229	21.9	112	95	42	1	0	2	0
GREENVILLE	84	59	91	52	71	-4	.4	-.7	.3	2.6	97	22.5	91	87	43	1	0	2	0
SD ABERDEEN	84	59	92	44	71	5	.0	-.8	.0	1.1	57	12.4	139	89	41	2	0	0	0
HURON	84	60	92	45	72	4	.1	-.7	.1	1.7	90	17.4	181	89	46	2	0	1	0
RAPID CITY	83	56	89	42	70	5	.1	-.6	.1	2.8	153	10.7	130	85	49	0	0	2	0
SIOUX FALLS	87	60	98	45	74	6	T	-.8	T	2.0	104	17.0	165	83	34	3	0	0	0
TN CHATTANOOGA	83	58	90	52	70	-5	.8	.0	.6	1.6	81	23.0	87	90	46	1	0	2	1
KNOXVILLE	81	58	89	51	69	-4	1.0	.1	.8	2.8	124	24.6	105	97	51	0	0	3	1
MEMPHIS	83	61	88	57	72	-7	.5	-.4	.5	1.3	60	22.1	85	83	44	0	0	1	0
NASHVILLE	81	58	87	51	70	-6	1.1	.3	1.1	1.9	91	24.8	105	94	46	0	0	2	1
TX ABILENE	83	61	87	55	72	-8	T	-.7	T	1.3	78	11.5	114	85	42	0	0	1	0
AMARILLO	87	58	98	49	73	-1	.0	-.9	.0	.9	43	7.7	101	74	26	3	0	0	0
AUSTIN	84	64	87	62	74	-7	1.9	1.1	1.9	2.0	84	18.8	122	85	45	0	0	2	1
BEAUMONT	87	65	90	59	76	-5	.6	-.7	.6	3.3	101	23.0	96	95	44	1	0	1	1
BROWNSVILLE	88	69	90	66	79	-4	1.5	.8	1.5	1.5	88	3.0	32	89	43	3	0	1	1
CORPUS CHRISTI	85	68	87	65	77	-5	1.9	1.1	1.9	1.9	93	12.8	109	85	46	0	0	1	1
DEL RIO	89	65	92	62	77	-4	.0	-.7	.0	T	1	5.9	55	84	42	3	0	0	0
EL PASO	96	66	101	61	81	1	.4	.3	.4	.4	152	2.1	108	48	15	6	0	2	0
FORT WORTH	86	65	89	59	75	-3	.5	-.3	.5	1.8	85	25.4	139	86	42	0	0	1	0
GALVESTON	84	74	86	68	79	-2	.2	-.9	.1	.2	6	10.0	62	73	46	0	0	2	0
HOUSTON	86	64	89	61	75	-5	1.4	-.1	1.3	2.5	70	21.5	94	95	46	0	0	3	1
LUBBOCK	90	61	98	52	76	-2	.0	-.7	.0	.7	42	4.9	71	76	27	5	0	0	0
MIDLAND	89	62	95	57	75	-4	.0	-.3	.0	T	0	4.5	85	75	24	3	0	0	0
SAN ANGELO	87	60	90	52	73	-6	.0	-.6	.0	.1	5	11.3	126	86	35	2	0	0	0
SAN ANTONIO	85	62	87	58	74	-8	1.7	.8	1.7	1.7	72	10.2	72	92	53	0	0	1	1
VICTORIA	86	65	88	62	75	-5	1.8	.8	1.8	1.9	72	14.4	79	90	49	0	0	2	1
WACO	84	61	88	56	73	-8	.0	-.8	.0	.8	40	21.4	135	93	46	0	0	0	0
WICHITA FALLS	86	62	91	57	74	-4	T	-.9	T	4.6	190	14.5	94	88	40	2	0	0	0
UT CEDAR CITY	79	49	89	39	64	-2	.5	.5	.4	1.2	559	7.5	148	62	18	0	0	2	0
SALT LAKE CITY	85	58	92	46	71	3	.1	-.1	.1	1.5	254	12.5	142	67	21	3	0	1	0
VT BURLINGTON	78	51	87	47	64	-1	.3	-.5	.3	.8	42	9.4	69	89	37	0	0	2	0
VA NORFOLK	81	63	92	56	72	-2	1.5	.7	1.2	2.9	138	16.2	82	86	49	1	0	2	1
RICHMOND	81	58	89	53	69	-5	.7	-.1	.6	1.4	73	15.0	80	85	30	0	0	3	1
ROANOKE	80	58	89	51	69	-2	1.6	.9	.9	4.3	234	20.1	110	83	50	0	0	2	2
WA QUILLAYUTE	60	49	64	46	55	-1	2.4	1.7	1.3	3.3	169	45.4	85	97	72	0	0	6	2
SEATTLE-TACOMA	65	52	69	51	58	-2	.5	.2	.2	1.4	152	17.8	100	95	55	0	0	4	0
SPOKANE	68	49	75	46	59	-3	.3	.0	.1	1.6	204	12.1	144	90	49	0	0	3	0
YAKIMA	71	46	78	41	58	-6	.1	.0	.1	.3	91	4.8	122	79	41	0	0	1	0
WV BECKLEY	72	52	78	47	62	-4	1.3	.4	.5	4.4	209	22.0	117	93	54	0	0	3	1
CHARLESTON	78	55	83	50	66	-5	1.2	.4	.7	4.3	218	24.7	132	99	55	0	0	3	1
HUNTINGTON	79	55	85	50	67	-2	2.0	1.3	1.2	4.0	212	23.4	121	93	50	0	0	3	1
PARKERSBURG	79	54	85	47	67	-4	1.3	.4	.8	3.2	152	--	--	99	46	0	0	3	1
WI GREEN BAY	82	54	91	44	68	4	.0	-.8	.0	.8	42	8.9	78	85	41	1	0	0	0
LACROSSE	85	59	94	50	72	3	.0	-.9	.0	1.5	69	13.2	108	87	40	2	0	0	0
MADISON	84	56	90	46	70	3	.0	-.9	.0	.9	45	13.4	104	77	35	1	0	0	0
MILWAUKEE	81	59	92	52	70	5	T	-.7	T	1.1	63	12.5	90	70	37	1	0	1	0
WAUSAU	82	53	91	42	68	3	.0	-.9	.0	.5	22	6.8	55	87	33	1	0	0	0
WY CASPER	83	50	88	37	66	4	.6	.3	.4	2.9	325	13.2	197	76	29	0	0	2	0
CHEYENNE	80	50	87	35	65	4	.5	.1	.5	3.2	261	12.0	177	81	34	0	0	2	1
LANDER	81	52	87	37	67	4	T	-.4	T	2.4	254	13.3	177	61	21	0	0	0	0
SHERIDAN	83	49	89	36	66	5	.0	-.6	.0	3.0	215	10.8	137	75	36	0	0	0	0
PR SAN JUAN	90	76	91	74	83	1	.5	-.4	.2	3.4	141	24.2	125	93	63	3	0	5	0

Based on 1961-90 normals.

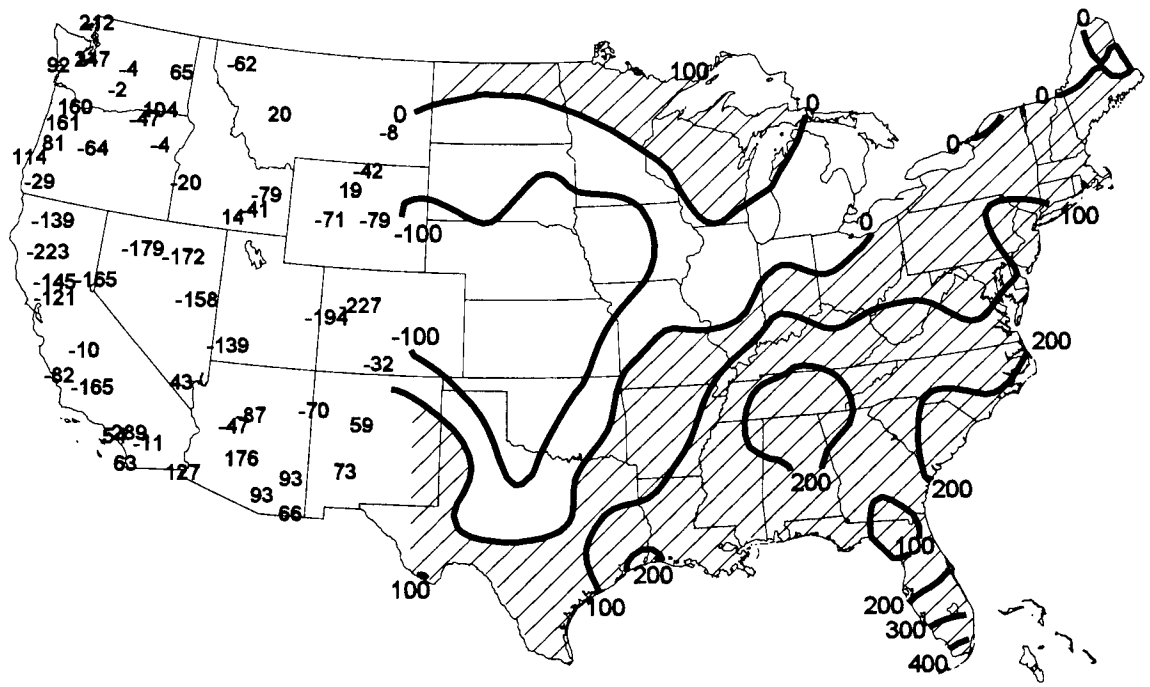
Total Growing Degree Days
March 1 - June 17, 1995



Corn
Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Growing Degree Days Departure from Normal
March 1 - June 17, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

National Agricultural Summary

June 12 - 18, 1995

HIGHLIGHTS: Warm, sunny weather enabled row crop producers to make significant planting progress across the Midwest. Pleasant weather allowed winter wheat harvest to progress in the southern Great Plains. Rainfall in northern California halted fieldwork, while chilly temperatures slowed crop development. The number of days suitable for fieldwork ranged from 3.7 days in North Carolina to 7 days in North Dakota, with most States reporting 5 to 6 days. Much-needed rain was received in the mid-Atlantic States, but soil moisture remained short in the Southeast. Several thousand acres of wheat and soybeans were flooded along the Arkansas river. The prolonged cool, wet spring has raised producers' concern for weed and insect control in addition to disease problems across the Nation. Soil moisture ranged from 84 percent (%) short to very short in New Mexico to 48% surplus in South Dakota.

The **winter wheat** crop was in mostly good to fair condition with 93% of the acreage headed, 3 percentage points behind the 5-year average. Harvest was 10% complete, 8 points behind normal. Wheat development was slowed by the extended cool, wet spring weather. Warm, sunny weather was ripening the wheat in Kansas, where the harvest was 12 points behind the average. Grain fill in Kansas was reported as below par due to the late-spring freeze. Wheat heading in Idaho and Nebraska increased 26 points from last week, while heading was 24 points behind normal in Montana and South Dakota. The excessive moisture raised producers' concern for diseases and weed control and lowered the Nation's winter wheat condition. Rust and other wheat foliar diseases were reported in the Midwest as a result of earlier wet field conditions. Hessian flies and Russian wheat aphids were reported in Washington. Wet conditions slowed wheat harvest in parts of central Texas, while in the High Plains, the wheat harvest was beginning.

Spring wheat was good to fair with 93% of the five major producing States' acreage emerged, 7 points behind normal. North Dakota's crop was mostly good with 87% of the acreage emerged, 13 points behind normal. Hot, dry weather in North Dakota lowered soil moisture supplies. Weeds remained a concern for producers since windy conditions prohibited spraying.

Corn planted was 97% complete for the 17 major producing States, 3 points behind last year and 2 points below the average. Improved weather conditions allowed Midwestern farmers to make significant planting progress for the second week in a row. Missouri corn planted at 75% complete, was up 31 points from last week but remained 21 points behind average. Corn planted in Missouri was 23 days behind the average, leaving many corn producers uncertain whether any additional corn will be planted this year. Suitable weather helped corn development, with some early-planted fields in Kentucky tasseling. Corn planting in Illinois and Iowa was close to completion. Corn height in South Dakota was reported at 5 inches, compared with an 11-inch average.

Cotton planting was 95% complete, up 7 points from last week and 2 points behind the average for the Nation. Cotton condition was good to fair with 34% of the crop squaring, 6 points ahead of the average. Planting was compete except in Georgia, Oklahoma, and Texas. Oklahoma's cotton planting at 63% complete, 24 points behind the average, was limited by wet fields. Cotton development in California was slowed by the chilly weather and was 3 weeks behind normal. Growth regulator was applied to some of Georgia's early-planted cotton fields. Cotton squaring in Alabama, Georgia, Louisiana, and Mississippi was ahead of the average by 20 points, while California and New Mexico were behind the average by 26 and 27 points, respectively. Insect control remained active in the Southeast where cotton producers were applying pinhead square, budworm, and bollworm chemicals. In the Texas Rio Grande Valley, dryland cotton was stressed and the crop's condition declined from last week as a result of continued dry weather and beet armyworm problems. High winds and seedling diseases have caused some problems in the Texas High Plains.

Sorghum planting was 71% complete for the 12 major producing States, up 25 points from last week but 15 points below the average. Planting in Illinois and Kansas was over 30 points behind the average. Sorghum planting in Texas increased 3 points from last week to equal the average. Planting continued at a rapid pace in the Texas Plains, with midge problems reported across the States.

Rice was in mostly good to fair condition for the five major producing States. Texas rice condition was in excellent to good condition. Emerged rice fields in California were sprayed for weeds, water weevils, and shrimp. Dry weather in Louisiana rice fields suppressed disease problems. Rice armyworms were reported in some Texas rice fields, where spraying was underway.

Soybean planting was 79% complete, up 20 points from last week and 7 points behind the average. Planting made significant progress in Nebraska, where producers increased planting by 41 points from last week to 92% complete. Soybean planting lagged more than 30 points in Kansas, Missouri, and South Dakota. Soybean planting in Missouri was 19 days behind the average. Illinois soybean producers increased plantings by 32 points from last week to 84% complete, 8 points behind normal. Dry weather in Louisiana delayed completion of soybean planting. In Wisconsin, most soybeans planted have begun to emerge, while in Minnesota, the average soybean height was 4 inches, compared with 5 inches for the 5-year average.

Range and Pasture: Pasture feed condition for the Nation was rated 78% good to excellent, slightly increased from last week. Rains in California generated excellent spring growth for rangeland grasses and mountain ranges. Some pasturers in the Midwest are becoming weedy as a result of the excess moisture. Ranges and pastures in Texas responded favorably to the midweek rains, but livestock producers in the Trans-Pecos region were forced to reduce their herds because of poor grazing.

(Continued from the front cover)
KS and 46°F in **Hastings, NE**. A day later, **Sioux City, IA** noted 45°F. Farther south, heat briefly settled over the **Southwest**, where highs on Monday in **Arizona** included 109°F in **Tucson** and 115°F in **Lake Havasu City**.

Between Tuesday and Thursday, more than 30 daily-record lows were broken or tied in the **Southeast**, including midweek readings of 51°F in **Birmingham, AL** and 53°F in **Macon, GA**. Elsewhere, warmth encompassed the **North-Central States**, while cool, windy, wet weather overspread the **West**. On Wednesday, highs struggled to 61°F in **Yakima, WA** and to 64°F in **Sacramento, CA**, the lowest maxima on record for June 14. Until 0.12 inches fell on Thursday, measurable rain had never been observed on June 15 in **Bakersfield, CA**. In the **Sierra Nevada** foothills, 4-day rainfall reached 3.13 inches at **Blue Canyon**, while in the highlands, **Incline Village** received 5 inches of snow on June 15-16. **Southern California** shared in the storminess toward week's end, with daily-rainfall records set on June 16 at the **Los Angeles Civic Center** (0.34 inches) and **San Diego** (0.17 inches).

Heat arrived in the **North-Central States** on Thursday, where **Williston, ND** notched 100°F, and **International Falls, MN** (89°F) tallied its first of at least 5 consecutive daily records. On Saturday and Sunday (June 18), the mercury soared to 99°F in **International Falls**, eclipsing the former all-time record of 98°F, reached on June 11, 1956, July 29, 1975, and July 6, 1988. Elsewhere on Saturday, highs attained the 100-degree mark in **Fargo, ND, Grand Forks, ND**, and **Redwood Falls, MN**. Farther south, however, late-week highs across the **Corn Belt** (except the extreme northwest) were generally only in the upper 80's to around 90°F, while extreme highs in the **central Plains** locally reached the mid-90's on June 15-16. Meanwhile in the **northern and central Rockies**, warm weather produced rapid snow-melt runoff and small-stream flooding, locally enhanced by thunderstorms.

Crop Progress and Condition

Week Ending June 18, 1995

Winter Wheat Percent Headed

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	94	91	100	98
GA	100	100	100	100
ID	50	24	68	53
IL	99	98	99	99
IN	100	100	100	100
KS	100	100	100	100
MI	94	60	85	88
MO	100	99	100	100
MT	22	5	48	46
NE	95	69	100	100
NC	100	100	100	100
OH	100	95	100	100
OK	100	100	100	100
OR	97	92	96	95
SD	65	28	95	89
TX	100	100	100	100
WA	93	74	97	91
ALL	93	88	97	96

These 19 States produced 92% of the 1994 winter wheat crop.

Winter Wheat Percent Harvested

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AR	71	25	42	52
CA	35	10	32	33
CO	0	0	0	0
GA	94	86	94	80
ID	0	0	0	0
IL	1	0	0	7
IN	2	0	1	4
KS	1	0	22	13
MI	0	0	0	0
MO	15	2	7	14
MT	0	0	0	0
NE	0	0	0	0
NC	30	23	46	50
OH	0	0	0	1
OK	18	2	69	49
OR	0	0	0	0
SD	0	0	0	0
TX	42	19	43	42
WA	0	0	0	0
ALL	10	4	23	18

These 19 States produced 92% of the 1994 winter wheat crop.

Cotton Percent Planted

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AL	100	100	100	99
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	100
GA	99	98	100	99
LA	100	100	100	100
MS	100	100	100	100
MO	100	100	100	100
NM	100	100	100	100
NC	100	100	100	100
OK	63	48	96	87
SC	100	97	100	100
TN	100	100	100	100
TX	89	73	95	93
ALL	95	88	98	97

These 14 States produced 99% of the 1994 cotton crop.

Cotton Percent Squaring

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AL	55	27	37	35
AZ	65	55	88	69
AR	36	11	53	28
CA	5	1	23	31
GA	63	45	59	43
LA	76	54	61	49
MS	69	50	74	42
MO	14	1	12	12
NM	2	0	24	29
NC	13	5	14	16
OK	0	0	7	5
SC	17	0	25	23
TN	35	13	40	17
TX	23	19	23	19
ALL	34	23	37	28

These 14 States produced 99% of the 1994 cotton crop.

Spring Wheat Percent Emerged

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
ID	99	99	99	99
MN	99	83	99	99
MT	99	95	100	99
ND	87	72	100	100
SD	99	94	100	100
ALL	93	82	100	100

These 5 States produced 98% of the 1994 spring wheat crop.

Corn Percent Planted

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
CO	91	89	100	100
GA	100	100	100	100
IL	97	88	100	99
IN	99	90	100	98
IA	98	92	100	99
KS	100	94	100	100
KY	98	92	100	99
MI	100	98	100	100
MN	99	99	99	99
MO	75	44	100	96
NE	99	*93	100	100
NC	100	100	100	100
OH	95	90	100	100
PA	95	92	98	97
SD	85	66	100	97
TX	100	100	100	100
WI	100	99	100	99
ALL	97	90	100	99

* Revised. These 17 States produced 91% of the 1994 corn crop.

Soybeans Percent Planted

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AL	81	71	75	75
AR	79	64	79	65
GA	82	62	80	75
IL	84	52	98	92
IN	88	67	99	92
IA	90	74	100	93
KS	35	11	94	81
KY	50	38	69	62
LA	91	85	87	78
MI	96	87	100	97
MN	95	86	99	92
MS	95	82	93	71
MO	40	17	86	72
NE	92	51	100	98
NC	52	51	72	74
OH	83	65	100	96
SC	65	48	60	68
SD	60	38	100	90
TN	62	45	68	63
ALL	79	59	94	86

These 19 States produced 94% of the 1994 soybean crop.

Crop Progress and Condition

Week Ending June 18, 1995

Sorghum Percent Planted

	Jun 18 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	97	99	96
CO	68	19	88	79
IL	47	5	93	80
KS	48	14	95	80
LA	95	93	99	94
MS	100	98	99	94
MO	58	37	95	82
NE	89	34	100	97
NM	81	59	83	66
OK	64	40	85	83
SD	54	29	96	78
TX	90	87	91	90
ALL	71	46	94	86

These 12 States produced 98% of the 1994 sorghum crop.

Winter Wheat Crop Condition by Percent

State	VP	P	F	G	EX
AR	1	7	30	49	13
CA	0	0	30	50	20
CO	4	5	14	46	31
GA	0	13	59	28	0
ID	0	1	14	60	25
IL	2	11	41	41	5
IN	0	3	25	54	18
KS	9	17	43	26	5
MI	1	3	15	57	24
MO	16	30	36	17	1
MT	1	5	55	33	6
NE	1	2	20	66	11
NC	6	22	42	30	0
OH	0	3	21	53	23
OK	15	14	36	34	1
OR	2	4	37	49	8
SD	0	5	31	54	10
TX	11	25	36	26	2
WA	1	7	30	49	13
ALL	7	13	35	37	8
Prev Wk	6	14	33	37	10
Prev Yr	3	10	46	38	3

Corn Crop Condition by Percent

State	VP	P	F	G	EX
CO	1	4	21	61	13
GA	0	3	36	59	2
IL	2	11	41	41	5
IN	1	5	32	52	10
IA	1	6	30	54	9
KS	1	8	36	52	3
KY	3	8	33	45	11
MI	1	5	21	55	18
MN	1	7	29	54	9
MO	4	22	45	25	4
NE	0	5	37	54	4
NC	0	1	17	71	11
OH	2	10	30	45	13
PA	0	2	16	65	17
SD	1	10	38	47	4
TX	0	5	20	55	20
WI	1	1	10	74	14
ALL	1	7	32	51	9
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	0	2	21	67	10

Cotton Crop Condition by Percent

State	VP	P	F	G	EX
AL	0	2	48	50	0
AZ	1	15	34	48	2
AR	1	8	41	38	12
CA	0	0	50	50	0
GA	0	2	45	53	0
LA	0	1	15	69	15
MS	1	2	23	64	10
MO	1	10	53	21	15
NM	0	5	37	56	2
NC	1	8	40	46	5
OK	0	59	28	13	0
SC	0	0	65	35	0
TN	0	3	20	60	17
TX	4	16	41	32	7
ALL	2	10	38	43	7
Prev Wk	5	8	34	42	11
Prev Yr	0	3	29	61	7

Spring Wheat Crop Condition by Percent

State	VP	P	F	G	EX
ID	0	1	14	56	29
MN	1	8	41	41	9
MT	0	4	34	43	19
ND	0	5	31	55	9
SD	1	5	28	59	7
ALL	0	5	32	52	11
Prev Wk	0	2	23	63	12
Prev Yr	0	4	23	64	9

Rice Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	2	20	60	18
CA	0	0	40	60	0
LA	0	2	23	64	11
MS	0	2	8	72	18
TX	0	0	7	46	47
ALL	0	1	21	61	17
Prev Wk	0	3	23	57	17
Prev Yr	0	0	7	90	3

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

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 none to 0.64 in. north; none to 0.36 in. central; none to 0.01 in. south. Temperatures 6 to 11° below normal statewide. Lows 45 to 54° north; 46 to 58° central; 45 to 58° south. Highs 83 to 88° north, 83 to 91° central; 85 to 91° south.

Days suitable for fieldwork 6.1. Topsoil 14% very short, 31% short, 54% adequate, 1% surplus. Corn silked 39%, 39% 1994, 49% avg.; 16% poor, 27% fair, 50% good, 7% excellent. Sorghum planted 65%, 73% 1994, 75% avg.; 16% poor, 25% fair, 59% good. Peanuts pegged 9%, 8% 1994, 15% avg.; 6% poor, 21% fair, 73% good. Hay harvested 90%, 90% 1994, 87% avg. Wheat harvested 68%, 47% 1994, 57% avg.; 1% very poor, 11% poor, 43% fair, 44% good, 1% excellent. Livestock 1% poor, 14% fair, 81% good, 4% excellent. Activities: Planting, cultivating, spraying crops. General care of livestock, poultry, catfish.

ALASKA: Scattered showers spread across parts of the Matanuska, Tanana Valleys last week. Most growing areas still need more rain.

Days suitable for fieldwork 6. Soil moisture 50% short, 50% adequate. Crop growth 30% slow, 50% moderate, 20% rapid. Height of small grains 5 to 9 in., comparable to 1994. Commercial potato emergence was 50% complete. Most barley, oats were in the preboot or earlier stages. Haying was just beginning.

ARIZONA: Temperatures 4° below to 3° above normal. Extremes 29°; 103° higher elevations; 50°; 111° deserts. Precipitation reported at a few upper elevation stations, Kingman; 0.01 to 0.85 in.

Small grain harvest running behind normal. Small grains 51% poor, 23% fair, 23% good, 3% excellent; 99% mature; 65% harvested, 84% 1994, 90% avg. Alfalfa 3% fair, 55% good, 42% excellent. Harvest 1% moderate, 99% active. Western growers shipped cantaloupe, honeydew, watermelon. Cantaloupe, potatoes, carrots, sweet corn, dry onions, honeydews, watermelon, green onions, cabbage, mixed greens, parsley, chili peppers, squash, kale were shipped from central areas. Eastern growers harvested head lettuce, tomatoes, dry onions, cabbage. A small amount of grapefruit, Valencia oranges available western, central areas. Grapes harvested from central, western vineyards.

ARKANSAS: Mild week with temperatures averaging a little below normal. Scattered showers mainly first of the week. Extremes 49°; 91°. Precipitation none to 1.18 in.

Days suitable for fieldwork 6. Soil moisture 13% short, 78% adequate, 9% surplus. Flooding along the Arkansas River caused several thousand acres of wheat, soybean fields to be flooded in Crawford, Pope, Sebastian, Faulkner counties. Wheat yields were reported excellent in Lonoke county. Producers were planting soybeans, grain sorghum. Blueberry, blackberry, early peach harvest were underway in Boone, Johnson, Logan, Faulkner counties.

CALIFORNIA: Week began with high pressure ridge offshore, clear skies, near normal temperatures. Mostly sunny, dry 13th, 14th dramatic change occurred. Cloud cover increased, temperatures cooled to almost 20° below normal. Strong low pressure over northwestern areas. Showers, thunderstorms began 14th, persisted through 16th.

Fieldwork progressed normally until mid-week rainfall halted activities, most areas. Cotton, rice development, again slowed, cool temperatures; remained three weeks behind normal. Grain harvesting, wheat, barley continued, conditions permitting. Harvested small grain fields, prepared second crop plantings, corn, dry beans, sorghum. Few scattered rice fields remained to be planted. Emerged rice sprayed, weeds, water weevils, shrimp. Over-wintered sugarbeets harvested; new crop fields treated for aphids. Corn, dry beans planted, sprayed for weeds. Cotton cultivated, fertilized, irrigated, hand weeded, treated for insects, pink boll worm. Safflower, seed alfalfa, sprayed for lygus, mites. Some areas safflower, sunflowers bloomed. Alfalfa, small grains, sudangrass cut for hay, greenchopped. Some alfalfa fields treated for weevils. Table grapes harvested, desert areas; development slightly behind normal, Central Valley. Kern County, Thompson grapes thinned, bunch set, average. Peach, nectarine, plum, fig growers, San Joaquin Valley, harvested early variety fruit. Late variety peaches thinned, Sutter County. Rain halted fieldwork 14th. Apricots harvested, Clovis, Reedley districts. Blackberries, boysenberries picked, Merced, Fresno Counties. Cherry harvest virtually complete. Apples grew, sized well, mild weather. Lake County growers irrigated young pear trees. Fruit set, irregular. Pomegranate bloom continued. Kiwifruit showed excellent growth. Almond growers sprayed weeds. Walnut orchards, cultivated, irrigated. Walnuts sized well. Grapefruit, lemon, Valencia oranges harvested, Central Valley, Riverside County. Some red grapefruit, Tulare County, packed, shipped. Normal fruit drop occurred, tangerine groves. Avocado harvest neared completion, Riverside County. Asparagus harvest continued, Salinas Valley. Monterey County artichoke harvest slowed. Broccoli, cauliflower harvested, Monterey, San Luis Obispo Counties. Carrots harvested, Kern, Fresno Counties; new crop fields fumigated. Celery harvested, Ventura, San Luis Obispo Counties. Cucumbers harvested, Fresno, Tulare Counties. Garlic harvest, Fresno area, underway. Monterey, San Luis Obispo Counties harvested lettuce fields. Melons picked, Coachella, Palo Verde Valleys; planted, San Joaquin Valley. Hollister area, cool weather, melon development behind normal. Red, yellow onion harvest gained momentum. Bell peppers planted, San Joaquin Valley; harvested, desert areas. Harvest, spring potatoes, Kern County, continued; yields were down. Fall potato planting, Tulelake-Butte Valley area completed. Sweet corn harvested, San Joaquin Valley, Riverside County. Fresh market tomatoes, treated for worms, bugs, mildew. Growers irrigated, weeded processing tomatoes, Sacramento, San Joaquin Valleys. Vineseed harvested, Sutter County. Other crops harvested: oriental vegetables, cherry tomatoes, eggplant, fava, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Excellent spring growth, rangeland grasses, provided most ranchers abundant feed for livestock. Mid-week rains, very beneficial, developing green mountain ranges. Rangeland pastures, lower elevations, dried fast. Feed, water supplies remained plentiful. Light supplemental feeding, few areas. Movement, livestock to summer pastures continued. Calves, lambs thrived.

COLORADO: High pressure dominated early in the week bringing well above normal temperatures, little rainfall. However, the warm weather quickly melted much of the snowpack causing some flooding problems mainly in the mountains. By late week, a low pressure system worked across the State cooling temperatures back below normal, bringing some strong winds, rain. Wind gusts up to 70 mph were recorded in the east on 17th while the west had up to an inch of rainfall along with temperatures as much as 30° below normal.

Days suitable for fieldwork 5.6. Topsoil 1% very short 5% short, 85% adequate, 9% surplus. Subsoil 1% very short, 5% short, 81% adequate, 13% surplus. Winter wheat 31% turning color, 65% 1994, 48% avg. Spring wheat 33% headed, 18% 1994, 20% avg.; 8% poor, 26% fair, 48% good, 18% excellent. Corn 80% emerged, 98% 1994, 98% avg. Spring barley 41% headed, 33% 1994, 33% avg.; 1% turning color, 8% 1994, 7% avg.; 2% poor, 23% fair, 51% good, 24% excellent. Oats 25% headed, 45% 1994, 44% avg.; 1% very poor, 2% poor, 26% fair, 59% good, 12% excellent. Sorghum 48% emerged, 41% 1994, 52% avg. Dry onions 1% poor, 9% fair, 72% good, 18% excellent. Sugarbeets 20% thinned, 93% 1994, 88% avg.; 1% very poor, 4% poor, 24% fair, 68% good, 3% excellent. Summer potatoes 95% emerged, 99% 1994, 97% avg.; 7% poor, 13% fair, 68% good, 12% excellent. Fall potatoes 77%

emerged, 88% 1994, 65% avg. Dry beans 45% planted, 98% 1994, 81% avg.; 20% emerged, 73% 1994, 54% avg. Alfalfa 27% 1st cutting, 67% 1994, 52% avg. Livestock mostly good to excellent.

DELAWARE: Precipitation 0.72 in., normal 0.86 in. Temperature 68.3°, normal 71.3°. Extremes 49°; 87°. High temperatures in the upper 80s. Lows in the upper 40s to mid 50s.

Days suitable for fieldwork 6.0. Topsoil 8% very short, 34% short, 58% adequate. Subsoil 14% short, 86% adequate. Winter wheat 12% fair, 77% good, 11% excellent; 93% turned, 29% 1994, 65% avg. Barley 17% fair, 76% good, 7% excellent; 47% harvested, 28% 1994, 45% avg. Soybeans 61% planted, 64% 1994, 70% avg. Sorghum 83% planted, 89% 1994, 94% avg. Other hay 17% 2nd cutting, none 1994, 1% avg. Alfalfa hay 20% 2nd cutting, 3% 1994, 11% avg. Cantaloupe 92% planted, 99% 1994, 100% avg. Green peas 48% harvested, 50% 1994, 56% avg. Lima beans 25% planted, 45% 1994, 52% avg. Sweet corn, tomato, watermelon planting nearly complete. Apples 100% good. Peaches 4% fair, 96% good. Strawberries 92% of acreage being picked, 94% 1994, 93% avg. Cereal leaf beetles moving out of small grain fields into nearby corn fields. Hay supply now mostly adequate.

FLORIDA: Weekly temperatures 6 to 8° below normal north, 2 to 4° below normal central, 2° below normal south. Lows; low 50s Panhandle, mid 50s Big Bend, northeast, near 60s central, near 70° southeast. Highs; low 90s, statewide. Rainfall under 0.25 in. Big Bend, 1.00 to 3.00 in. northeast, Peninsula.

Soil moisture adequate southern Peninsula, other areas short to adequate. Cotton, peanut planting complete. Soybean planting winding down. Hay making active. Tobacco harvest starting. Corn, cotton, peanuts, sugarcane making good growth. Sunny, cool weather allowed remaining spring crop vegetable harvest to advance rapidly. Northern tomato harvest about half finished. Volume leaders: Watermelons, tomatoes, potatoes, sweet corn, cucumbers, peppers, eggplant, celery, cherry tomatoes, okra. Weather for all citrus areas cool. Spotty showers becoming more frequent. Some irrigation continues. New summer growth starting. Valencia harvest slowing. Grapefruit harvest over for year. Caretakers cutting cover crops, spraying, fertilizing, planting new trees.

GEORGIA: Temperatures 4 to 9° below normal. Highs low to mid 80s, except a few upper 80s extreme south. Lows 40s in mountains, upper 50s to low 60s southeast, low to mid 50s elsewhere. Rain on 1 to 4 days. Rain totals varied widely. Some locations less than 0.25 in. for week while a few stations reported over 2.00 in. The greatest amount of rain 2.53 in. at the Brunswick Airport in Glynn County.

Days suitable for fieldwork 5.5. Soil moisture 2% very short, 21% short, 73% adequate, 4% surplus. Soil moisture favorable. Crop conditions variable from last week, ratings well above two weeks ago. Cotton planting near completion; weeds, disease, insects causing concerns. Growth regulator being applied to some early planted cotton fields. Wheat harvest now equals '94's fast pace. Weed, insect, disease control active in peanuts. Blue mold again causing problems in tobacco some areas. Hay, pastures improved. Corn 90% silked, 91% 1994, 76% avg.; 45% dough, 48% 1994, 33% avg.; 9% dent, 20% 1994, 10% avg. Cotton 3% setting bolls, 3% 1994, 3% avg. Hay 3% poor, 39% fair, 56% good, 2% excellent. Peanuts 25% fair, 75% good; 68% blooming, 73% 1994, 63% avg.; 27% pegging, 31% 1994, 22% avg. Sorghum 1% poor, 29% fair, 70% good; 85% planted, 95% 1994, 86% avg. Soybeans 2% poor, 42% fair, 55% good, 1% excellent; 82% planted, 81% 1994, 76% avg.; 2% blooming, 3% 1994, 2% avg. Tobacco 7% poor, 81% fair, 12% good; 4% harvested, 6% 1994, 4% avg. Other small grains 13% poor, 56% fair, 31% good. Watermelons 11% poor, 34% fair, 55% good; 15% harvested, 16% 1994, 7% avg. Other vegetables 3% poor, 49% fair, 48% good. Apples 21% fair, 79% good. Peaches 3% poor, 34% fair, 63% good; 54% harvested, 71% 1994, 54% avg. Pecans 60% fair, 40% good. Cattle 1% poor, 24% fair, 74% good, 1% excellent. Hogs 2% poor, 24% fair, 74% good. Activities: Harvesting vegetables, spraying for disease, insects in vegetables, harvesting tobacco, peaches, planting soybeans, sorghum as well as the routine care of livestock, poultry.

HAWAII: Mostly sunny. Trade winds moderate. Light showers, windward, upper elevations, occasionally drifting to leeward sectors. Soil moisture adequate windward sectors, short leeward areas. Temperatures warming, high 60s to 90°. Rainfall varied from none to 1.10 in.

Most crops in fair to good condition. Banana production light, papaya production light to moderate. Insect infestations light to heavy.

IDAHO: Temperatures 5° below to 6° above normal. Nearly all stations outside of the north reported above normal temperatures, below normal precipitation. Precipitation 0.52 to 0.78 in. north, none to 0.34 in. southwest, none to 0.13 in. south central, none to 0.02 in. southeast. Extremes 35°; 101°.

Days suitable for fieldwork 6.0. Topsoil 4% short, 90% adequate, 6% surplus. Irrigation water supplies 20% good, 80% excellent. Corn emerged 90%, 98% 1994, 94% avg. Dry beans planted 82%, 96% 1994, 91% avg.; emerged 59%, 78% 1994, 62% avg. Dry peas emerged 96%, 99% 1994, 99% avg. Lentils planted 100%, 99% 1994, 99% avg.; emerged 99%, 99% 1994, 99% avg. Oats emerged 96%, 98% 1994, 98% avg. Potatoes emerged 72%, 93% 1994, 81% avg. Potatoes 12 in. high 6%, 33% 1994, 19% avg. Spring barley emerged 99%, 99% 1994, 99% avg. Spring barley 1% poor, 12% fair, 54% good, 33% excellent. Spring wheat emerged 99%, 99% 1994, 99% avg.; 1% poor, 14% fair, 56% good, 29% excellent. Sugarbeets thinned 65%, 95% 1994, 86% avg. Activities: Irrigating, fertilizing, applying pesticides cutting alfalfa, planting, replanting corn, dry beans, dry peas, potatoes.

ILLINOIS: Temperatures steadily turned warmer as week progressed. Temperatures 1 to 6° above normal in north to 2 to 4° below normal in south. Highs were mostly in mid 80s, average lows were in upper 50s, lower 60s. Most of State was dry during week. Those places that did receive rainfall received less than 0.50 in.

Days suitable for fieldwork 6.1. Topsoil 9% short, 67% adequate, 24% surplus. Corn planting, soybean planting made good progress again last week. Corn planting advanced to 97% complete, 88% a week ago, 99% avg. Soybean planting progressed to 84% complete, 52% a week ago, 92% avg. Harvesting of wheat started in southern areas. Continued good weather allowed farmers to cut, bale alfalfa hay. First cutting progress stood at 85% complete, 48% last week, 89% avg. Reporters are mentioning presence of wheat disease caused by excess moisture. Wheat 97% filled, 97% 1994, 96% avg.; 83% turning yellow, 70% 1994, 76% avg.; 17% ripe, 8% 1994, 25% avg. Oats 45% headed, 85% 1994, 69% avg.; 17% filled, 47% 1994, 36% avg.; 1% turning yellow, 5% 1994, 9% avg. Alfalfa 85% first cutting, 98% 1994, 89% avg.; 3% second cutting, 11% 1994, 8% avg. Red clover 67% cut, 91% 1994, 74% avg. Oats 1% very poor, 5% poor, 33% fair, 52% good, 9% excellent. Alfalfa 1% poor, 5% very poor, 27% fair, 50% good, 17% excellent. Red clover 1% very poor, 8% poor, 30% fair, 47% good, 12% excellent.

INDIANA: Temperatures steadily turned warmer as the week progressed with highs in the upper 80s to 90s common over the weekend. Weather pattern shifted to a much drier one with only isolated or widely scattered afternoon, evening thunderstorms occurring on some days. Week averaged between -3 to +3° deviation from normal with temperatures averaging below normal mainly across the south. Highs were in the low to mid 80s with average lows in the 50s to low 60s. Kentland reported the highest individual temperature of 94° 18th. Wanatah Sand had the coldest with a low of 41° 13th.

Days suitable for fieldwork 5.7. Topsoil 12% short, 79% adequate, 9% surplus. Subsoil 5% short, 79% adequate, 16% surplus. Corn planting virtually complete, soybean planting made excellent progress. Warm, sunny weather helped corn growth, development. Wheat harvest is underway, southwest areas. First cutting of alfalfa 84% complete, 98% 1994, 84 avg. Tobacco 82% set, 90% 1994, 74% avg.

IOWA: Temperatures 1° above normal far south to 6° above normal northwest. Extremes 46° (northeast, 13th); 99° (northwest, 16th). No precipitation in most areas. Rain confined to central, north central with up to 3.10 in. Webster County. State average precipitation only 0.15 in. (normal 1.06 in.), driest week in ten weeks.

Days suitable for fieldwork 6.1. Topsoil short 6%, adequate 72%, surplus 22%. Subsoil short 1%, adequate 64%, surplus 35%. Primary seedbed preparation completed (includes fall tillage) 97%, 100% 1994, 98% avg. Row crop acreage fertilizer applied (includes fall applications) 98%, 100% 1994, 100% avg. Corn emerged 93%, 100% 1994, 96% avg.; cultivated 1st time 24%, 73% 1994, 49% avg; corn stands compared to normal (normal = 100%) 89%. Soybeans emerged 75%, 100% 1994, 80% avg.; replanted or to be replanted 5%. All hay 3% poor, 21% fair, 57% good, 19% excellent; alfalfa hay first cutting 53%, 87% 1994, 64% avg. Oats 1% very poor, 11% poor, 31% fair, 50% good, 7% excellent; headed 15%, 93% 1994, 59% avg. Winter wheat 4% poor, 35% fair, 53% good, 8% excellent. Rust is being reported in oat, winter wheat crops in southern part of State. Condition of livestock has improved with warm dry weather last week. Most livestock were reported in good condition. A few areas are still reporting muddy feedlots, some health problems caused by earlier weather continue to persist. Flies becoming a problem as a result of warmer weather. Pastures in areas where excess rainfall occurred are becoming weedy.

KANSAS: Temperatures normal in the northwest to 5° below normal in the south central, southeastern districts. Precipitation was light over all but the southeast where moderate amounts of rain were received.

Days suitable for fieldwork 5.3. Topsoil 1% very short, 5% short, 79% adequate, 15% surplus. Subsoil 1% very short, 7% short, 73% adequate, 19% percent surplus. Warm, sunny weather past week is ripening wheat, drying fields. Farmers were busy past week putting up hay, planting corn, sorghum, soybeans. Wheat harvest is beginning in southern areas of State. Wheat ripe across State is 9%, 60% 1994, 43% avg. Wheat turning color 83%, 97% 1994, 90% avg. Symptoms of freeze damage continue to appear in southwestern quadrant of State. Grain fill is reported to be suboptimal in these areas. Foliar diseases such as rust, tan spot and powdery mildew, smut, speckled leaf blotch are reported across State. Barley yellow dwarf is prevalent in southern areas. Alfalfa cut first time 95%, 100% 1994, 96% avg. Cut second time 11%, 21% 1994, 15% avg.

KENTUCKY: High pressure dominated week's weather. Temperatures were cooler than normal first half followed by slow warming. Temperatures 1 to 5° below normal. High temperatures in 80s with lower 90s far west. Lows were upper 40s to mid 50s. Scattered showers, thunderstorms, amounts averaged about 0.50 in., ranging from nothing in some locations to over 1.00 in. others. Berea received 1.35 in.

Days suitable for fieldwork 4.8. Topsoil 1% short, 81% adequate, 18% surplus. Subsoil moisture mostly adequate to surplus. Tobacco setting mostly completed. Condition of set tobacco 1% very poor, 5% poor, 29% fair, 56% good, 9% excellent. Good corn growing weather, earliest fields beginning to tassel. Some late planting, re-planting, most farmers finished. Soybeans 50% planted. Condition emerged beans fair to excellent. Wheat harvest 20% completed, 18% 1994, 19% avg. Early yields fair to good. Wheat scab, other diseases reducing quality, quantity. Haying very active. Pastures mostly good, supplying roughage needs.

LOUISIANA: Temperatures 4 to 6° below normal. Extremes 54°; 96° Rainfall 0.01 in. southwest to 0.90 in. northeast.

Days suitable for fieldwork 6.5. Soil moisture 4% very short, 36% short, 60% adequate. Corn 6% poor, 30% fair, 57% good, 7% excellent; 82% silked, 90% 1994, 82% avg.; 52% dough stage, 45% 1994, 30% avg.; 0% mature, 1% 1994, 0% avg. Cotton 100% emerged, 100% 1994, 99% avg.; 5% setting bolls, 7% 1994, 2% avg. Cotton farmers continued insect control. Hay 77% first cutting, 82% 1994, 74% avg. Baling hay continued active. Peaches 9% harvested, 37% 1994, 32% avg. Rice 9% headed, 19% 1994, 11% avg. Dry weather aided disease suppression in rice. Sorghum 5% poor, 25% fair, 70% good; 93% emerged, 98% 1994, 91% avg.; 5% headed, 13% 1994, 8% avg. Soybeans 5% poor, 28% fair, 57% good, 10% excellent; 86% emerged, 83% 1994, 72% avg. Dry weather delayed completion of soybean planting. Spring plowing 100% plowed, 100% 1994, 96% avg. Sugarcane 2% poor, 12% fair, 63% good, 23% excellent. Sweet potatoes 60% planted, 67% 1994, 65% avg. Wheat 100% turning color, 100% 1994, 100% avg.; 99% harvested, 95% 1994, 91% avg. Vegetables 1% very poor, 6% poor, 30% fair, 53% good, 10% excellent. Vegetable harvest active. Livestock 3% poor, 17% fair, 64% good, 16% excellent.

MARYLAND: Precipitation 1.12 in., normal 0.90 in. Temperature 70.0°, normal 70.9°. Extremes 41°; 92°. Low temperatures mid 40s to low 60s. Highs were mainly in the high 80s to low 90s.

Days suitable for fieldwork 5.7. Topsoil 1% very short, 15% short, 80% adequate, 4% surplus. Subsoil 2% very short, 18% short, 80% adequate. Winter wheat 3% poor, 17% fair, 72% good, 8% excellent; 75% turned, 70% 1994, 68% avg. Rye 15% fair, 80% good, 5% excellent; 79% turned, 80% 1994, 74% avg.; 7% harvested, 17% 1994, 19% avg. Barley 1% poor, 8% fair, 75% good, 16% excellent; 98% turned, 94% 1994, 96% avg.; 29% harvested, 43% 1994, 42% avg. Corn for grain 98% planted, 99% 1994, 99% avg. Soybeans 69% planted, 64% 1994, 66% avg. Sorghum 85% planted, 89% 1994, 87% avg. Tobacco 95% transplanted, 86% 1994, 85% avg. Other hay 84% 1st cutting, 90% 1994, 86% avg. Alfalfa hay 98% 1st cutting, 100% 1994, 95% avg.; 13% 2nd cutting, 19% 1994, 15% avg. Cantaloupe 98% planted, 100% 1994, 98% avg. Sweet corn 90% planted, 93% 1994, 92% avg. Tomatoes 92% planted, 97% 1994, 97% avg. Watermelons 99% planted, 100% 1994, 99% avg. Apples 3% fair, 59% good, 38% excellent. Peaches 13% fair, 74% good, 13% excellent. Strawberries 78% harvested, 86% 1994, 87% avg. Activities: Planting of spring crops, vegetables, haymaking, harvesting, selling early vegetables.

MICHIGAN: Extremes 36°; 94°. Precipitation none to 0.32 in. across State. Temperatures 2° above normal. Warm weather, rain was needed for crop development to advance. There were only traces of precipitation throughout State. Precipitation none to less than 0.50 in. Most areas are in need of rain for crops growth, development to progress.

Days suitable for fieldwork 6.5. Topsoil 17% very short, 44% short, 38% adequate, 1% surplus. Subsoil 6% very short, 27% short, 65% adequate, 2% surplus. Soybeans 2% very poor, 4% poor, 23% fair, 49% good, 22% excellent. Dry beans planted 87%, 85% 1994, 78% avg.; emerged 51%, 70% 1994, 56% avg. Corn emerged 95%, 96% 1994, 97% avg.; height 6%, 12% 1994, 11% avg. All hay, 1st cutting 65%, 70% 1994, 59% avg.; 1% very poor, 4% poor, 20% fair, 52% good, 23% excellent. Oats headed 12%, 25% 1994, 19% avg.; 1% very poor, 4% poor, 24% fair, 58% good, 13% excellent. Potatoes planted 99%, 100% 1994, 100% avg.; emerged 93%, 90% 1994. Soybeans emerged 82%, 95% 1994, 88% avg.

MINNESOTA: Temperatures 6 to 11° above normal in northern third of State, 6 to 8° above normal central, 4 to 7° above normal southern part of State. Extremes 39°; 100°. Only a trace of precipitation in central, southwest, southeast parts of State. Greatest weekly total was 0.09 in.

Days suitable for fieldwork 5.6. Topsoil 2% very short, 11% short, 75% adequate, 12% surplus. Spring wheat 52% jointed, 70% 1994, 70% avg.; headed 5%, 19% 1994, 18% avg. Oats 99% emerged, 99% 1994, 99% avg.; 56% jointed, 89% 1994, 76% avg.; headed 4%, 37% 1994, 26% avg. Barley 98% emerged, 99% 1994, 99% avg.; 48% jointed, 68% 1994, 67% avg.; headed 2%, 14% 1994, 18% avg. Potatoes 95% planted, 99% 1994, 99% avg. Sweet corn 85% planted, 99% 1994, 88% avg. Dry beans 84% planted, 99% 1994, 99% avg. Flax 89% planted, 99% 1994, 99% avg. Sunflowers 95% planted, 99% 1994, 99% avg. Alfalfa first cutting 55%, 84% 1994, 61% avg. Corn 99% emerged, 99% 1994, 95% avg.; 35% cultivated, 62% 1994, 46% avg.; height 9 in., 19 in. 1994, 12 in. avg. Soybeans 87% emerged, 99% 1994, 82% avg.; 15% cultivated, 34% 1994, 24% avg.; height 4 in., 7 in. 1994, 5 in. avg. Oats 3% poor, 30% fair, 58% good, 9% excellent. Barley 7% poor, 36% fair, 48% good, 9% excellent. Dry beans 1% very poor, 4% poor, 52% fair, 42% good, 1% excellent. Sugarbeets 1% very poor, 6% poor, 37% fair, 44% good, 12% excellent.

MISSISSIPPI: Temperatures 7° below normal for week. Extremes 47°; 96°. Soil temperatures 80°. Precipitation 0.55 in., 0.36 in. below normal. Rainfall throughout the State 0.09 in. coastal district to 0.95 in. lower delta district.

Days suitable for fieldwork 6.3. Soil moisture 3% very short, 20% short, 74% adequate, 3% surplus. Corn 56% silked, 55% 1994, 37% avg.; 8% dough, 19% 1994, 5% avg.; 15% fair, 75% good, 10% excellent. Soybeans 95% planted, 93% 1994, 71% avg.; 82% emerged, 89% 1994, 60% avg.; 2% poor, 11% fair, 67% good, 20% excellent. Wheat 100% mature, 99% 1994, 98% avg.; 81% harvested, 66% 1994, 61% avg.; 1% very poor, 5% poor, 43% fair, 49% good, 2% excellent. Hay 98% harvested cool, NA 1994, NA avg.; 40% warm, NA 1994, NA avg.; 1% very poor, 5% poor, 24% fair, 58% good, 12% excellent. Peanuts 100% planted, 100% 1994, 90% avg.; 1% fair, 50% good, 49% excellent. Sweet potatoes 72% planted, 68% 1994, 75% avg.; 85% good, 15% excellent. Watermelons 98% planted, 98% 1994, 98% avg.; 14% poor, 30% fair, 43% good, 13% excellent. Cattle 2% poor, 18% fair, 70% good, 10% excellent. Main farming activities: Planting soybeans; harvesting hay; harvesting winter wheat. Farmers are applying pinhead square, budworm, bollworm applications to control increase of insects in cotton fields. Weed control is still a top priority with farmers for all crops. The cool nighttime temperatures have delayed plant development in some crops. Some farmers are waiting to plant soybeans following winter wheat due to dry conditions. Soil moisture 3% very short, 20% short, 74% adequate, 3% surplus.

MISSOURI: Temperatures below normal across most of State, 5° below normal at Caruthersville, to 1° above normal at Kirksville. Precipitation 0.02 in., with central, east central, south central the only districts reporting measurable rainfall, all averaging less than 0.08 in.

Days suitable for fieldwork 4.8. Topsoil 1% very short, 2% short, 62% adequate, 35% surplus. Corn planting ranges from 54% northeast, to 100% southeast. Many reporters indicate uncertainty whether any additional corn will be planted this year. Single crop soybean planting ranges from 15% southwest to 87% southeast. Sorghum planting varies from 20% west central, east central, to 98% southeast. Wheat condition showing continued decline, poor to fair condition most common. Many reporters indicate problems with wheat scab, other diseases in wheat fields across the State. Majority of wheat harvested confined to southeast 60%, south central 33%. Alfalfa first cutting 55%, 92% 1994, 81% avg. Other hay 31%, 62% 1994, 50% avg.

MONTANA: Above normal precipitation, near normal temperatures across western half of State. Below normal precipitation, much above normal temperatures over the eastern third of the State.

Days suitable for fieldwork 4.9. Topsoil 1% very short, 17% short, 75% adequate, 7% surplus. Subsoil 2% very short, 19% short, 75% adequate, 4% surplus. Winter wheat 78% boot, 91% 1994, 87% avg. Spring wheat 15% boot, 25% 1994, 33% avg. Barley 6% poor, 27% fair, 54% good, 13% excellent; 97% emerged, 100% 1994, 99% avg.; 23% boot stage, 31% 1994, 35% avg. Oats 2% poor, 36% fair, 49% good, 13% excellent; 96% emerged, 99% 1994, 97% avg.; 11% boot stage, 26% 1994, 30% avg. Corn 98% emerged, 96% 1994. Dry beans 95% emerged, 94% 1994. Potatoes 38% emerged, 35% 1994. First cutting alfalfa hay 3%, 12% 1994, 12% avg. First cutting other hay 1%, 6% 1994, 8% avg. Cattle, calves moved to summer ranges, 95%. Sheep, lambs moved to summer ranges, 95%.

NEBRASKA: Temperatures near normal east central, up to 8° above normal north central. Scattered precipitation around 0.10 in. or less.

Days suitable for fieldwork 6.1. Topsoil 4% short, 80% adequate, 16% surplus. Subsoil 75% adequate, 25% surplus. Wheat 1% very poor, 2% poor, 20% fair, 66% good, 11% excellent; 95% headed, 100% 1994, 100% avg.; 11% turning, 77% 1994, 52% avg. Corn 5% poor, 37% fair, 54% good, 4% excellent; 99% planted, 100% 1994, 100% avg.; 93% emerged, 100% 1994, 100% avg. Soybeans 3% poor, 38% fair, 56% good, 3% excellent; 92% planted, 100% 1994, 100% avg.; 53% emerged, 99% 1994, 90% avg. Sorghum 1% poor, 46% fair, 49% good, 4% excellent: 89% planted, 100% 1994, 97% avg.; 35% emerged, 98% 1994, 90% avg. Dry beans 60% planted, 99% 1994.

NEVADA: Clear weather with normal temperatures were common until an unusually strong, cold, late-season Pacific storm arrived on 14th. Up to a foot of snow fell in the Sierra with 3 to 4 in. at Lake Tahoe. Thunderstorms were numerous throughout the northern half of the State 14th, 16th, with many stations receiving over one half inch of precipitation and several over one inch. Severe thunderstorms, with dime to quarter sized hail, were reported between Lovelock, Battle Mountain. Localized flooding continued along swollen streams, rivers in north. Skies began to clear by the weekend, temperatures remained unseasonably cool. Divisional temperatures 2 to 5° below normal. Extremes 25° Eureka; 114° Laughlin.

Storms slowed fieldwork north, central while cool temperatures kept crop progress behind normal. Heading of winter wheat was well along and heading of spring-planted grains increased. Barley, oats were being combined in the extreme south. Condition of grain crops rated fair to good in the south, good to excellent central, north. Damage from storms indicated to be minimal. Alfalfa third cutting underway extreme south. First cutting halted by inclement weather in the north. Some cut hay damaged in the field. Weeds heavy in some hay fields. Potato, onion, garlic crops in good condition. Wet conditions continue to promote tremendous weed, grass growth. Insect populations remain high. Spring calving, lambing virtually complete. Sheep shearing nearly finished. Calves being branded, worked. Livestock movement to summer ranges continued as weather allowed, except in the snow-laden Sierra. Main farm, ranch activities: Haying, irrigating, weed control, insect spraying, calving, lambing, working newborn livestock.

NEW ENGLAND: Precipitation 0.17 to 1.90 in. regionwide. Temperatures 58 to 65° north, 60 to 66° south. Maximum temperatures 72 to 87° north, 80 to 92° south. Minimum temperatures 35 to 49° north, 40 to 54° south.

Days suitable for fieldwork 5.3. Topsoil 1% very short, 13% short, 79% adequate, 7% surplus. Subsoil 1% very short, 19% short, 74% adequate, 6% surplus. Maine potatoes 100% planted, 99% 1994, 99% avg.; 85% emerged; excellent/good. Rhode Island potatoes 100% planted, 100% 1994, 100% avg.; 100% emerged; excellent/good. CT River Valley potatoes 100% planted, 100% 1994, 100% avg.; 99% emerged; good. Maine oats 100% planted, 95% 1994, 99% avg.; 100% emerged; excellent/good. Maine barley 100% planted; 100% emerged; good/excellent. Field corn 99% planted, 95% 1994, 95% avg.; 90% emerged; good. Sweet corn 90% planted, 90% 1994, 90% avg.; 80% emerged; good/excellent. Shade tobacco 100% planted, 100% 1994; good. Outdoor tobacco 85% planted, 90% 1994; good/fair. First hay crop 45% harvested, 45% 1994, 50% avg.; good/excellent. Apples in petal fall, set avg./above avg.; good; size avg. Peaches in petal fall stage, set avg.; good/fair; size avg. Pears in petal fall stage, set avg.; good; size avg. Strawberries in petal fall, set avg./above avg.; good/excellent; size avg./above avg.; 15% harvested. Cranberries in early bloom/full bloom stage; good. Highbush blueberries in petal fall stage, set avg.; good, size avg. Wild blueberries in petal fall, set above avg.; excellent/good. Cool, rainy conditions early in week gave way to hot, dry weather by week's end, allowing many farmers to finish baling first cutting of hay. Major farm activities: Fertilizing, cultivating, irrigating, picking strawberries, applying herbicides, insecticides.

NEW JERSEY: Temperatures below normal. Extremes 40°; 92°. Rainfall 0.44 in. north, 0.54 in. central, 0.67 in. south. Heaviest 24 hour total was 0.50 in. 14th to 15th. Estimated soil moisture, percent of field capacity, 82% north, 66% central, 68% south.

Days suitable for fieldwork 6. Topsoil moisture adequate. Good volume of herbs, leafy greens, lettuce (all types), cabbage, squash, turnips. Moderate, declining volume of asparagus. Low volume of cucumbers, pickles. Barley harvest beginning. Hay harvest active. Strawberry harvest virtually complete in southern areas. Peaches are sizing well, trees are being thinned. Blueberry harvest has started.

NEW MEXICO: Highest temperatures were recorded over the southwest portion of the State with Truth or Consequences reporting 103°, Animas, Deming reporting 102°. Precipitation was reported over northern third of State, over south central mountains. Highest amounts reported were over north central mountains. Los Alamos reported 0.89 in. of precipitation. Southeast plains, southwest reported no precipitation.

Days suitable for fieldwork 6.5. Soil moisture 46% very short, 38% short, 16% adequate. Alfalfa 1% poor, 31% fair, 49% good, 19% excellent. Wheat 20% very poor, 47% poor, 21% fair, 12% good. Corn 11% fair, 85% good, 4% excellent. Cotton 5% poor, 37% fair, 56% good, 2% excellent; 2% squaring, 0% 1994, 29% avg. Sorghum 50% fair, 50% good; 81% planted, 59% 1994, 66% avg. Chile 8% poor, 48% fair, 44% good. Onions 38% fair, 58% good, 4% excellent; 10% harvested. Pecans 19% very poor, 5% poor, 30% fair, 42% good, 4% excellent. Apples 17% poor, 23% fair, 60% good. Cattle 2% very poor, 18% poor, 36% fair, 43% good, 1% excellent. Sheep 3% very poor, 19% poor, 37% fair, 40% good, 1% excellent.

NEW YORK: Dry week. Only precipitation fell on 11th, 12th when showers, thunderstorms crossed the region. Locally up to 1.50 in. of rain was received. Temperatures were cooler than normal. Summertime heat moved in late in the week. Extremes 37°; 90°.

Days suitable for fieldwork 6.3. Soil moisture 63% short, 37% adequate. Hay fair to good. First cutting of alfalfa 71% complete, 60% 1994, 60% avg. Corn 98% planted, 96% 1994, 98% avg. Dry beans 50% planted. Wheat good. All crops need rain. With the first cutting of hay well along, producers are hoping for rain to promote good re-growth. Vegetable harvesting picked up momentum. Tomatoes were in blossom. Much needed rainfall received in Orange County muckland region. Apples in the Hudson Valley show excellent crop potential. Grapes were in bloom. Early sweet cherries beginning to ripen. Peaches, pears sizing rapidly.

NORTH CAROLINA: Excessive rainfall has continued to plague most of the State past week, with small grains, vegetables receiving the heaviest damage. This moisture, coupled with cool conditions has resulted in concerns over fungus, mold growth. Blue mold has been spotted in many tobacco counties. One new strain of blue mold is believed to be resistant to a fungicide used to combat the disease since 1980. Temperature 71°, 3° below normal. Extremes 47°; 88°. Precipitation 1.27 in., 0.17 in. above normal.

Days suitable for fieldwork 3.7. Soil moisture 1% short, 53% adequate, 46% surplus. Planting of soybeans, sorghum continues to lag behind normal. The excessive rainfall is causing crop stress, causing recent cut hay to have problems curing, delaying small grains harvest. Peach harvest is off to a good start, production being aided by the recent rains. Sorghum 42% planted, 84% 1994, 74% avg. Burley tobacco 96% transplanted, 91% 1994, 91% avg. Oats 20% harvested, 52% 1994, 52% avg. Barley 31% harvested, 48% 1994, 51% avg. Rye 40% harvested, 47% 1994, 51% avg. Sweet potatoes 81% transplanted, 87% 1994, 88% avg. Irish potatoes 12% harvested, 20% 1994, 28% avg. Peaches 10% harvested, 23% 1994, 21% avg. Condition of crops remains fair to good. Irish potatoes 1% very poor, 3% poor, 18% fair, 78% good; peaches 5% poor, 10% fair, 80% good, 5% excellent; truck crops 6% very poor, 23% poor, 28% fair, 41% good, 2% excellent; apples 11% fair, 89% good; peanuts 49% fair, 49% good, 2% excellent; soybeans 1% very poor, 16% poor, 26% fair, 53% good, 4% excellent; sweet potatoes 18% poor, 32% fair, 49% good, 1% excellent; hay 5% poor, 36% fair, 57% good, 2% excellent; tobacco in fields 4% very poor, 13% poor, 42% fair, 38% good, 3% excellent; hay, roughage supplies 7% short, 89% adequate, 4% surplus. Activities: Planting soybeans, sorghum, transplanting burley tobacco, sweet potatoes, harvesting small grains, spraying corn, cotton fields, cutting hay, digging drainage ditches, tending livestock, repairing equipment, general farm maintenance.

NORTH DAKOTA: Hot, dry week across most of the state. Temperatures 7° above normal southeast to 13° above normal northwest. Extremes 33° west central; 101° northwest. Precipitation none west central, central, south central to 0.11 in. north central.

Days suitable for fieldwork 7. Soil moisture supplies declined. Topsoil 4% very short, 28% short, 64% adequate, 4% surplus. Subsoil 9% short, 79% adequate, 12% surplus. Crop progress made good advancement, remained behind average. Durum wheat 6% jointing and beyond; 44% 1994; 49% avg.; barley 15% jointing and beyond; 65% 1994; 71% avg.; oats 12% jointing and beyond; 62% 1994; 66% avg. Flaxseed 66% emerged; 92% 1994; 95% avg.; corn 92% emerged; 96% 1994; 98% avg.; dry edible beans 87% emerged; 93% 1994; 95% avg.; soybeans 93% emerged; 99% 1994; 97% avg.; sunflower 72% emerged; 92% 1994; 90% avg.; potatoes 87% emerged; 96% 1994; 96% avg. Emerged crop conditions mostly good. Hard red spring wheat none very poor, 5% poor, 31% fair, 55% good, 9% excellent; durum wheat 0%, 5%, 28%, 57%, 10%; barley 1%, 5%, 31%, 56%, 7%; oats 0%, 2%, 35%, 57%, 6%; flaxseed 1%, 6%, 35%, 52%, 6%; corn 0%, 3%, 27%, 58%, 12%; dry edible beans 0%, 7%, 22%, 60%, 11%; soybeans 0%, 1%, 18%, 67%, 14%; sunflower 0%, 4%, 31%, 54%, 11%; sugarbeets 0%, 0%, 15%, 75%, 10%; potatoes 0%, 8%, 18%, 72%, 2%.

OHIO: Temperatures steadily increased with highs in the upper 80s, lows 90s over the weekend. Weather became drier with isolated afternoon, evening thunderstorms. Temperatures close to normal as the cool start offset the warm finish. Highs were mainly in the low to mid 80s, except upper 70s in the extreme northeast. Low temperatures were generally in the mid 50s. Toledo reported the highest temperature of 93° 18th. Youngstown had the coldest with a low of 42° 16th. Most of the State was dry. Amounts were mostly under 0.50 in. Much of State received less than 1.00 in. of rain over the past two weeks.

Days suitable for fieldwork 4.6. Soil moisture 2% short, 68% adequate, 30% surplus. Rainy weather dissipated, allowing farmers to catch up with fieldwork. Wet, cool weather conditions were favorable for diseases in all crops. Head scab, rust were reported in wheat. Pasture feed is in good condition, however weather forced hay to be left unbaled in an overripe stage. Alfalfa leaf weevil was reported in Huron county. Flies were on the threshold of economic conditions in livestock in Athens County. General livestock conditions were good. Oats headed 33%, 60% 1994, 51% avg. Tomatoes planted 98%, 98% 1994, 97% avg. Corn emerged 87%, 100% 1994, 98% avg. Soybeans emerged 63%, 96% 1994, 89% avg. Wheat turning color 30%, 43% 1994, 44% avg. Strawberries harvested 45%, 49% 1994, 56% avg. Alfalfa hay first cutting 69%, 99% 1994, 88% avg. Other hay 54%, 88% 1994, 75% avg. Hay 2% very poor, 7% poor, 29% fair, 48% good, 14% excellent. Oats 6% poor, 34% fair, 48% good, 12% excellent. Soybeans 2% very poor, 9% poor, 37% fair, 42% good, 10% excellent.

OKLAHOMA: Temperatures 0.9° above normal northeast to 5.7° below normal southeast district. No precipitation was recorded in any of the districts this past week.

Days suitable for fieldwork 4.1. Topsoil 71% adequate, 29% surplus. Subsoil 1% short, 79% adequate, 20% surplus. Wheat 1% plowed, 21% 1994, 14% avg.; oats 78% soft dough, 97% 1994, 95% avg.; 4% harvested, 37% 1994, 24% avg.; 0% plowed, 9% 1994, 5% avg.; barley 25% soft dough, 93% 1994, 88% avg.; 6% harvested, 37% 1994, 27% avg.; 0% plowed, 6% 1994, 4% avg.; corn 97% up-to-stand, 100% 1994, 100% avg, 2% tasseling, 21% 1994, 16% avg.; 1% milk-to-soft, 3% 1994, 2% avg.; sorghum 47% up-to-stand, 68% 1994, 67% avg.; 0% headed, 1% 1994, 1% avg.; soybeans 40% planted, 85% 1994, 64% avg. 30% up-to-stand, 68% 1994, 40% avg.; 4% flowering, 5% 1994, 1% avg.; peanuts 74% planted, 89% 1994, 82% avg.; 54% up-to-stand, 76% 1994, 64% avg.; 0% pegging, 3% 1994, 2% avg.; cotton 38% up-to-stand, 90% 1994, 73% avg. Alfalfa 6% poor, 39% fair, 53% good, 2% excellent; hay 32% 2nd cutting, 58% 1994, 34% avg.; 3% 3rd cutting, 5% 1994, 1% avg. Livestock 1% poor, 13% fair, 77% good, 9% excellent. Prices for feeder steers, heifers steady to $1.00 to $2.00/cwt higher.

OREGON: Temperatures near to 4° below normal coast, Willamette Valley, 5 to 9° below normal. Precipitation 1.00 to 2.50 in. coast, 0.50 to 1.25 in. Willamette Valley, eastern sections 0.33 to 1.00 in.

Days suitable for fieldwork 5.4. Topsoil moisture 2% short, 96% adequate, 2% surplus. Subsoil moisture 1% short, 95% adequate, 4% surplus. Haying activities continued, statewide. Klamath Basin sugarbeets emerged, potatoes mostly planted, 65% emerged. Willamette Valley sugarbeets for seed growing well, grass seed crops pollinated, early varieties ready to swathe 2-3 weeks, fresh market vegetable harvest continued, strawberry picking continued, rain increased berry mold, rot. early raspberry harvest continued, other caneberries sizing. Sweet cherry harvest completed Milton-Freewater district, underway Willamette

Valley, Mid-Columbia, all areas rain cracking. Cranberry bloom continued, south coast. Willamette Valley nursery industry: rainy conditions caused limited field activity, growth development of planted nursery stock continued excellent. Livestock good-excellent. Sheep shearing continued. Beef cattle breeding underway.

PENNSYLVANIA: Warm front following cold front brought near normal rainfall to the Commonwealth beginning of the week. Ideal summer conditions prevailed following the frontal passages. Temperature 70°, 4° above normal. Extremes 38°; 89°. Precipitation 0.83 in., 0.07 in. below normal.

Days suitable for fieldwork 5.1. Soil moisture 14% short, 75% adequate, 11% surplus. Corn planted 95% complete, 98% 1994, 97% avg. Tobacco 90% transplanted, 80% 1994, 80% avg. Soybeans planted 83% complete, 90% 1994, 86% avg.; 3% poor, 28% fair, 58% good, 11% excellent. Potatoes planted 100% complete, 100% 1994, 99% avg. Barley 96% heading or headed, 100% 1994, 100% avg.; 78% turning yellow, 72% 1994, 63% avg.; 18% ripe, 6% 1994, 18% avg.; 2% harvested, 0% 1994, 6% avg. Wheat 93% heading or headed, 98% 1994, 99% avg.; 25% turning yellow, 12% 1994, 24% avg.; 1% poor, 15% fair, 69% good, 15% excellent. Oats 40% heading or headed, 22% 1994, 2% turning yellow, 0% 1994, 3% avg.; 1% ripe, 0% 1994, 1% avg.; 3% poor, 19% fair, 65% good, 13% excellent. Alfalfa 1st cutting 60% complete, 79% 1994, 75% avg. Alfalfa 2nd cutting 4% complete, 4% 1994, 6% avg. Timothy clover 1st cutting 35% complete, 49% 1994, 56% avg. Quality of hay made 3% very poor, 12% poor, 21% fair, 45% good, 19% excellent. Activities: Planting corn, soybeans; spraying corn, soybeans; making hay; cutting haylage; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Temperatures 3 to 4° below normal statewide. Maximum observed temperature 91°. Minimum observed temperature 46°. Heaviest 24-hour rainfall 2.98 in. Rainfall 1.00 in.

Days suitable for fieldwork 5.5. Soil moisture 10% short, 80% adequate, 10% surplus. Corn 59% silked, 59% 1994, 45% avg.; 14% dough, 25% 1994, 13% avg. Cantaloupes 30% harvested, 26% 1994, 17% avg. Cucumbers 95% planted, 100% 1994, 100% avg.; 50% harvested, 67% 1994, 57% avg. Hay 91% harvested, 98% 1994, 91% avg. Oats 75% harvested, 82% 1994, 71% avg. Peaches 20% harvested, 18% 1994, 19% avg. Rye 73% harvested, 69% 1994, 57% avg. Snap beans 90% planted, 96% 1994, 90% avg. Sorghum 64% planted, 62% 1994, 64% avg. Sweet potatoes 64% planted, 78% 1994, 83% avg. Tobacco 10% topped, 26% 1994, 26% avg. Tomatoes 45% harvested, 45% 1994, 27% avg. Watermelons 23% harvested, 23% 1994, 11% avg. Wheat 4% very poor, 30% poor, 65% fair, 1% good; 62% harvested, 74% 1994, 67% avg.

SOUTH DAKOTA: Temperatures 3 to 9° above normal. Extremes outside the Black Hills 42°; 99°. Rainfall for the week was sparse with generally less than 0.25 in. reported in the central, east central part of the State. Precipitation 0.20 to 0.40 in. were reported in the southwest. Heaviest precipitation 0.71 in. at Faulkton.

Days suitable for fieldwork 4.8. Topsoil 1% short, 51% adequate, 48% surplus. Subsoil 2% short, 36% adequate, 62% surplus. Winter wheat 97% boot, 99% 1994, 98% avg. Winter rye 99% boot, 98% 1994, 98% avg.; 92% headed, 99% 1994, 93% avg.; 1% poor, 35% fair, 54% good, 10% excellent. Barley 99% emerged, 100% 1994, 100% avg.; 8% boot, 79% 1994, 73% avg.; 1% very poor, 6% poor, 36% fair, 54% good, 3% excellent. Oats 99% emerged, 100% 1994, 100% avg; 4% boot, 82% 1994, 74% avg.; 1% very poor, 11% poor, 39% fair, 45% good, 4% excellent. Spring wheat 12% boot, 79% 1994, 74% avg. Flax 89% planted, 86% 1994, 95% avg.; 73% emerged, 83% 1994, 87% avg.; 4% very poor, 9% poor, 51% fair, 36% good. Corn height 5 in., 13 in. 1994, 11 in. avg. Sunflowers 52% planted, 100% 1994, 85% avg. Hot, windy weather aided planting, spurred crop development across State. However, some areas have just begun to dry out enough to allow for suitable planting conditions. Weeds continue to pose problem as windy conditions hampered spraying. First cutting alfalfa 21% harvested, 62% 1994, 45% avg. Livestock 1% poor, 9% fair, 74% good, 16% excellent. Stockwater 66% adequate, 34% surplus.

TENNESSEE: Temperatures 10° below normal middle, east, 3° below normal west. Extremes 42°; 96°.

Days suitable for fieldwork 5.0. Topsoil 9% short, 86% adequate, 5% surplus. Subsoil 1% very short, 6% short, 86% adequate, 7% surplus. Wheat harvest, double-crop soybean planting main activities. Corn 1% poor 9% fair, 66% good, 24% excellent; 19% tasseling, 7% 1994, 8% avg. Cotton 3% poor, 20% fair, 60% good, 17% excellent; 35% squaring, 40% 1994, 17% avg. Sorghum 10% fair, 75% good, 15% excellent. Tobacco 3% poor, 27% fair, 63% good, 7% excellent; 90% transplanted, 95% 1994, 94% avg. Soybeans 1% poor, 10% fair, 67% good, 22% excellent; 62% planted, 68% 1994, 62% avg. Wheat 96% ripe, 92 % 1994, 81% avg.; 54% harvested, 39% 1994, 34% avg. Alfalfa 11% fair, 79% good, 10% excellent; 25% 2nd cutting, 30% 1994, 24% avg. Other hay 1% poor, 19% fair, 71% good, 9% excellent. Cattle 1% poor, 9% fair, 80% good, 10% excellent.

TEXAS: Mild, dry weather was rule during week. Upper level high pressure suppressed shower activity most of period. However, weak disturbances led to some thunderstorms over Southern East, Upper Coast, Coastal Bend during weekend, amounts generally quite light. Although very warm temperatures recorded in west at midweek, quite pleasant readings for mid-June prevailed as surface high pressure patterns brought in east, northeast winds. For week, temperatures ran below normal except near normal readings in northern Panhandle. Rainfall below normal statewide with no precipitation reported on High Plains, North Texas, Lower Rio Grande Valley.

Crops: Small Grains: Harvest beginning on fields in High Plains as conditions allowed. Most harvest expected to begin however within next week. Harvest resumed in Cross Timbers where progress had been slowed by wet conditions. Harvest winding down in Blacklands. Corn: Growers in most areas of State reported good progress during week, prospects improving after recent rains. Additional fields entering dent stage southern areas, along Upper Coast. Corn 55% silked, 53% 1994, 51% avg.; 32% dough, 33% 1994, 28% avg. Cotton: Rio Grande Valley dryland crop continued deteriorate many fields last week. Recent infestation of beet armyworms, prolonged dry conditions have taken their toll. Spraying for armyworms also increased in Coastal Bend. Producers throughout Central, Blacklands cultivating, doing some spraying. Scattered hail, high winds, seedling disease have taken their toll on High Plains crop. Planting operations continued at fast pace for most of week in Plains, Cross Timbers. Some replanting occurred during week; however, for some it's too late; 11% setting bolls, 11% 1994, 8% avg. Grain Sorghum: Planting continued at rapid pace in Plains during week. Good growth was reported many areas. Only minor problems from midge reported across State. Harvest in Valley increased. Harvest expected begin soon Coastal Bend. Sorghum 83% normal compared, 82% 1994; 63% headed, 53% 1994, 44% avg.; 36% turning color, 29% 1994, 21% avg.; 14% mature; 4% 1994; 2% avg. 2% harvested, 0% 1994; 0% avg. Rice: Armyworms reported in fields, spraying underway during week. Producers also spraying for disease, putting out fertilizer. Rice 99% emerged; 100% 1994; 99% avg.; 10% headed, 7% 1994, 6% avg. Other Crops: Oats harvested 44%; 50% 1994, 51% avg.; Peanuts 64% planted, 62% 1994, 54% avg. Soybeans 87% planted, 80% 1994, 81% avg. Sunflowers 65% planted, 77% 1994, 70% avg.

Commercial Vegetables: Rio Grande Valley: Pepper harvest continued. Land preparation also continued. San Antonio-Winter Garden area: Watermelon harvest continued, yields not improved much. East Texas: Mostly open weather allowed planting to continue. Most crops look good. Harvest resumed many fields. Some disease reported on tomatoes. Trans-Pecos: Onion harvest continued. Harvest of high demand Pecos cantaloupes begin soon. Cantaloupe harvest in Presidio area continued. High Plains: Potatoes, onions continued show good progress. Pecans, June drop light in many areas due mainly adequate rainfall. Producers continued scout for second generation casebearers. Some outbreaks have been reported. Overall crop prospect remained good. Peaches harvest continued much of state. Brown rot caused some problems. Sizes have also been small in many orchards.

Range and Livestock: Ranges, pastures continued respond favorably to recent rainfall. Stock tanks most areas good levels. Producers in Trans-Pecos have forced cut their herd numbers because poor grazing. Livestock conditions across state remained good. Markets continued show only slight improvements, very erratic.

UTAH: Temperature maximums, minimums 1° above normal. Precipitation light to moderate throughout the State with Uintah Basin, southeast division reporting no measurable precipitation.

Days suitable for fieldwork 6.4. Topsoil 8% short, 84% adequate, 8% surplus. Subsoil 2% short, 92% adequate, 6% surplus. Spring wheat heading or better 26%, 80% 1994, 62% avg. Barley heading or better 25%, 76% 1994, 64% avg. Oats emerged 85%. Winter wheat heading or better 53%, 92% 1994. Corn planted 91%; emerged 73%; height 4.1 in., 13.3 in. 1994, 11.7 in. avg. Alfalfa hay 1st cutting 50%, 79% 1994, 68% avg. Other hay cutting 11%, 36% 1994, 26% avg. Dry beans planted 97%. Potatoes planted 80%. Cattle moved to summer range 85%, 88% 1994. Sheep moved to summer range 73%, 73% 1994. Major farm, ranch activities: Oats, corn planting, haying, spraying apple trees, moving sheep, cattle to summer range. Farmers were finishing up most of their spring planting. Washington county was harvesting third cutting of alfalfa.

VIRGINIA: Temperatures normal to slightly below normal. Extremes 40°; 92°. Precipitation above normal.

Days suitable for fieldwork 4.2. Topsoil 1% short, 73% adequate, 26% surplus. Subsoil 8% short, 87% adequate, 5% surplus. Other hay 3% poor, 22% fair, 63% good, 12% excellent. Alfalfa hay 1% poor, 6% fair, 69% good, 24% excellent. Apple 7% fair, 87% good, 6% excellent. Peach 13% poor, 14% fair, 71% good, 2% excellent. Barley harvested 44%, 67% 1994, 45% avg. Wheat harvested 6%, 19% 1994, 17% avg. Oats harvested 6%, 31% 1994, 21% avg. Corn 100% planted, 100% 1994, 100% avg.; 9% fair, 66% good, 25% excellent. Soybeans 56% planted, 63% 1994, 57% avg. Peanut 1% fair, 96% good, 3% excellent. Cotton 2% fair, 96% good, 2% excellent. Flue tobacco 17% fair, 44% good, 39% excellent. Dark fired tobacco 100% transplanted, 100% 1994, 100% avg.; 8% fair, 66% good, 26% excellent. Burley tobacco 89% transplanted, 99% 1994, 90% avg.; 2% poor, 23% fair, 63% good, 12% excellent. Sun tobacco 100% transplanted, 100% 1994, 100% avg.; 4% fair, 96% good. Summer potato 14% fair, 69% good, 17% excellent. Scouting tobacco for blue mold, harvesting vegetables, fruit tree spraying, topdressing corn, cultivating, laying-by tobacco, irrigating potatoes the beginning of the week, staking tomatoes, harvesting hay.

WASHINGTON: Temperatures 4 below to 4° above normal west; 9° below to normal east. Precipitation 0.33 to 0.78 in. west; none to 0.61 in. east. Majority of crops had a positive response to rain.

Days suitable for fieldwork 4.5. Topsoil 2% very short, 28% short, 70% adequate. Subsoil 14% short, 86% adequate. Irrigation water supply 100% adequate. Hessian flies, Russian wheat aphids were a problem in cereal grains. Potatoes sprayed for late blight. Blight reported in garbanzo beans. Cherry splitting reported. Raspberries maturing. Rain and weevil damage reported in strawberries. Cherry, strawberry, asparagus, and green pea harvests continued. Rains stopped hay harvest. Green chopping continued. Winter wheat, dryland 1% very poor, 8% poor, 32% fair, 47% good, 12% excellent; irrigated, 6% fair, 71% good, 23% excellent. Spring wheat, dryland 7% poor, 30% fair, 57% good, 6% excellent; irrigated, 1% fair, 82% good, 17% excellent. Barley, dryland 11% poor, 17% fair, 57% good, 15% excellent; irrigated, 99% good 1% excellent. Potatoes, 6% fair, 94% good. Corn, 2% fair, 98% good. Hay, other roughage supplies 4% short, 63% adequate, 33% surplus. Spring wheat, 57% headed, 85% 1994, 67% avg. Barley, 51% headed, 85% 1994, 67% avg. Corn, 100% planted, 99% 1994, 99% avg. Alfalfa, 1st cutting, 79% har-vested, 78% 1994, 72% avg. Alfalfa, 2nd cutting, 4% harvested, 6% 1994, 6% avg. Dry edible beans, 95% planted, 91% 1994, 94% avg.

WEST VIRGINIA: Temperature 65°. Extremes 41°; 89°. Precipitation 0.33 in. Temperatures 3° below normal in the northeastern region to 5° below normal in the southern, southwest, north central regions. Precipitation 0.25 in. below normal southern region to 0.72 in. below normal in the central region. Precipitation 0.88 in. reported at Ripley. Seasonal precipitation averages ran from 1.11 in. below normal in the northeastern region to 4.31 in. above normal in the southwest region.

Days suitable for fieldwork 4.9. Topsoil 1% very short, 2% short, 75% adequate, 22% surplus. Barley 41% fair, 50% good, 9% excellent; 99% headed, 100% 1994, 100% avg.; 60% ripe, 95% 1994, 61% avg. Wheat 1% fair, 92% good, 7% excellent; 73% headed, 97% 1994, 98% avg.; 6% ripe, 6% 1994. Hay 1% poor, 13% fair, 80% good, 6% excellent; first cutting 33%, 71% 1994, 56% avg. Corn 4% fair, 91% good, 5% excellent; planted 90%, 94% 1994, 95% avg.; 82% emerged, 78% 1994, 88% avg. Oats 1% fair, 98% good, 1% excellent; planted 99%, 100% 1994, 100% avg.; 99% emerged, 100% 1994, 98% avg. Soybeans 92% good, 8% excellent; planted 70%, 70% 1994, emerged 69%, 52% 1994. Tobacco 46% fair, 54% good; 79% transplanted, 96% 1994, 91% avg. Apples 100% good. Peaches 100% good. Cattle 8% fair, 86% good, 6% excellent. Sheep 9% fair, 86% good, 5% excellent. Activities: Planting, cutting hay.

WISCONSIN: Temperature 68°, 4° above normal. Extremes 31°; 102°. Precipitation none to 0.10 in.

Days suitable for fieldwork 6.6. Soil 19% short, 80% adequate, 1% surplus. General condition of crops 1% poor, 9% fair, 78% good, 12% excellent. Oats 1% poor, 11% fair, 75% good, 13% excellent; headed 4%, 37% 1994, 19% avg. Corn height 9 in., 13 in. 1994, 11 in. avg. Winter wheat 1% poor, 6% fair, 69% good, 24% excellent. Range, pasture 1% poor, 21% fair, 70% good, 8% excellent. Soybeans planted 95%, 100% 1994, 92% avg. First cutting hay 63% harvested, 76% 1994, 57% avg. Warm, dry conditions over the past week allowed farmers to be in the fields the highest number of days so far this year. The corn condition continued to look good with reports of good growth over the past week with the warm, sunny weather. So far, cultivating, herbicide use has kept weed pressure under control in most fields. Most of the soybeans have been planted and have started to emerge. With the warm weather over the past week, farmers were able to get a lot of alfalfa harvested. Quality, quantity reports varied greatly across the State. Calumet, Winnebago, Fond du Lac county reporters noted that the alfalfa quality, quantity was excellent. Fruit trees bloomed heavily in the north. Some disease problems were noted in the southwest.

WYOMING: Temperatures 1 to 3° below normal in scattered areas of southeast, north central. Rest of the State 1 to 3° above normal. Extremes 29° Jackson; 94° Deaver. Precipitation 0.10 to 0.60 in. below normal, except for east central which averaged 0.30 in. above normal. Newcastle had the greatest amount with 0.83 in.

Days suitable for fieldwork 5.9. Topsoil 100% adequate or better. Subsoil moisture supplies 100% adequate or better. Winter wheat 59% headed, 96% 1994, 61% avg. Spring wheat 84% planted, 100% 1994, 100% avg.; 30% jointed, 99% 1994, 75% avg.; 15% boot, 99% 1994, 49% avg. Oats 47% jointed, 70% 1994, 66% avg.; 15% boot, 49% 1994, 35% avg. Barley 78% jointed, 87% 1994, 74% avg.; 41% boot, 78% 1994, 59% avg. Sugarbeets 60% thinned, 85% 1994, 69% avg. Corn avg. height 10.4 in., 11.9 in. 1994. Dry beans 84% planted, 100% 1994, 98% avg.; 60% emerged, 90% 1994. Alfalfa 5% 1st cutting, 33% 1994, 15% avg. Range flock: ewes lambed 95%, 100% 1994. Livestock moved to summer pastures; cattle, calves 75%, sheep, lambs 55%.

International Weather and Crop Summary

June 11 - 17, 1995

HIGHLIGHTS

FSU-WESTERN: Drought negatively affected crop development in Russia.

FSU-NEW LANDS: Weather conditions favored crop development in Western Siberia, Russia, and adjacent areas in Kazakhstan.

EUROPE: More rain soaked Italy's Po Valley, while only light showers fell in England.

SOUTHEAST ASIA: Widespread showers benefited Indochina's main-season grains.

SOUTH ASIA: Monsoon showers advanced in the south and east, improving planting prospects and mitigating the heat wave.

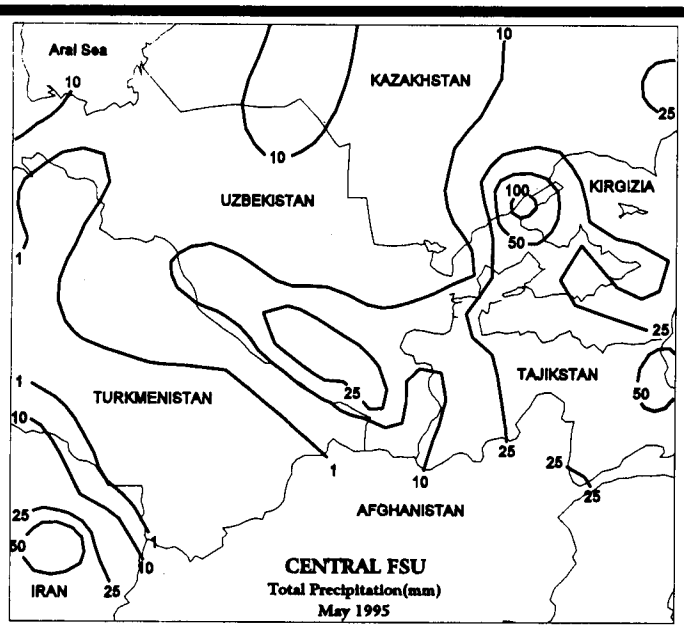
CANADA: Showers pushed across the Prairies, bringing some relief to Manitoba's heat-stressed grains and oilseeds.

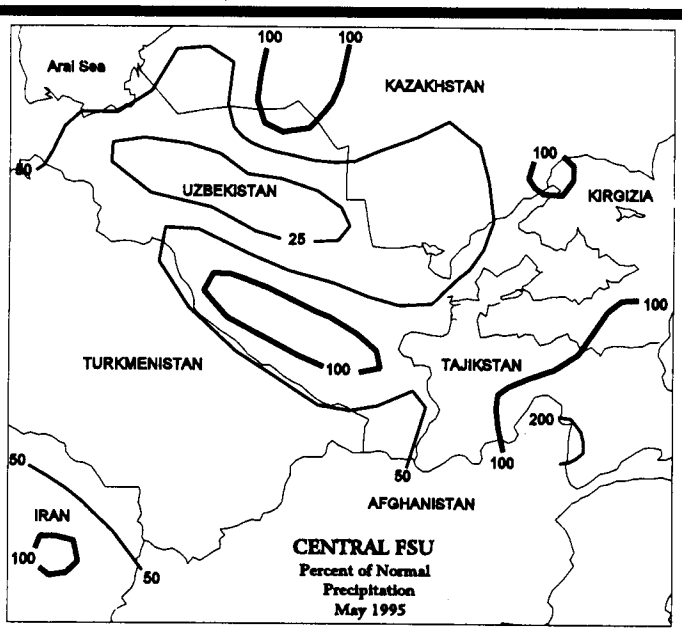
EASTERN ASIA: Scattered showers favored germinating summer crops across the North China Plain, while warm, dry weather prevailed across Manchuria. Widespread showers covered the southern half of China, keeping rice irrigation supplies adequate.

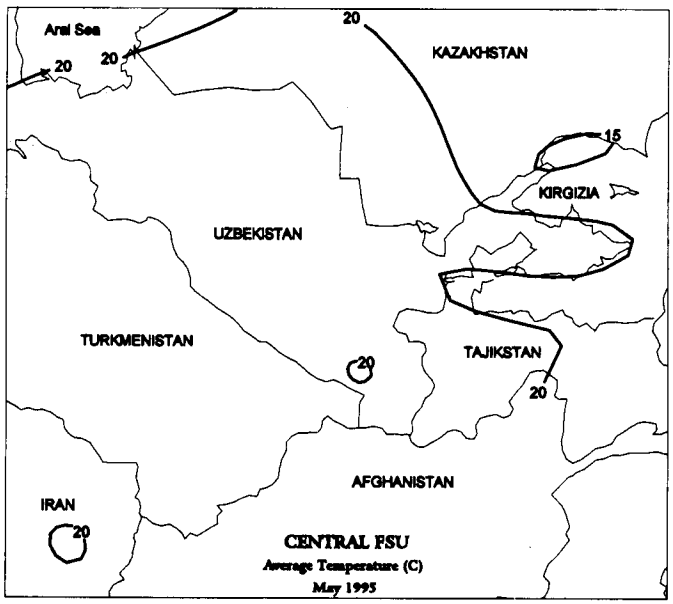
AUSTRALIA: Showers boosted soil moisture in southern Queensland, while light rain kept soils moist for germinating winter wheat elsewhere.

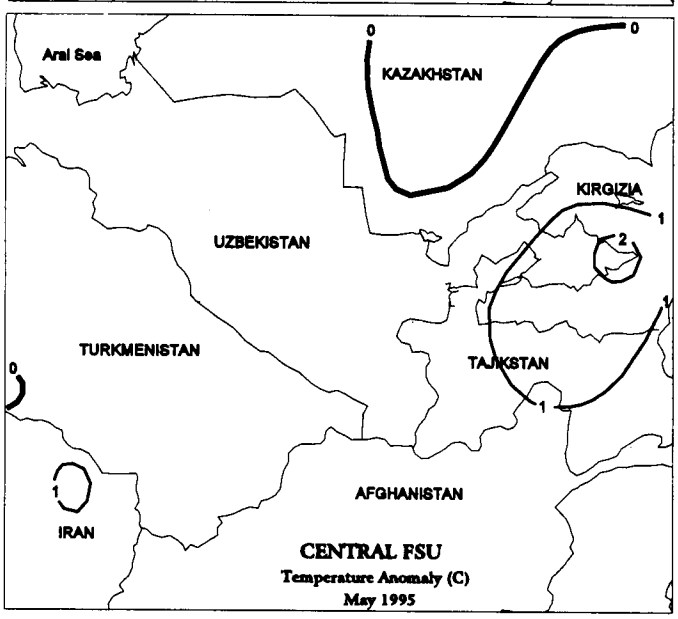
SOUTH AMERICA: Dry weather in central Argentina favored late summer crop harvesting, but rain is needed for emerging winter wheat.

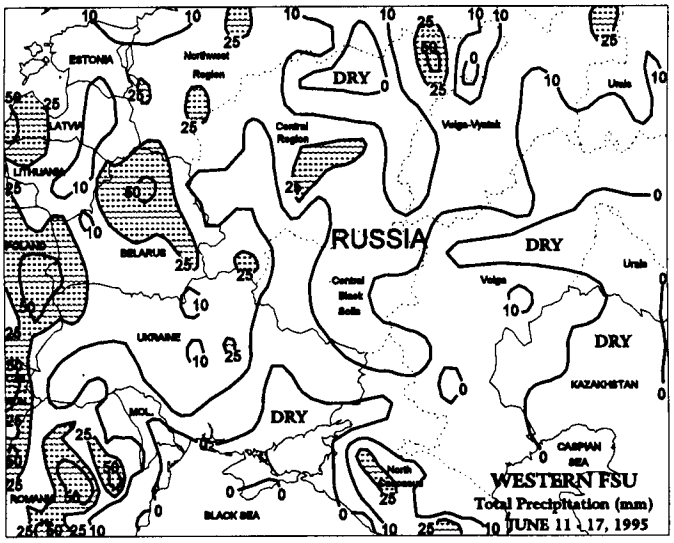
MEXICO: Showers covered most of the central corn belt, increasing soil moisture for corn planting, while scattered showers and cooler weather prevailed across the north.





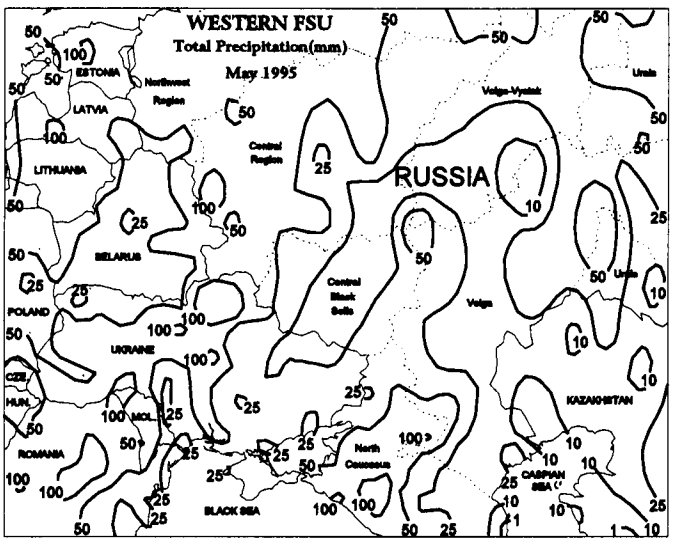


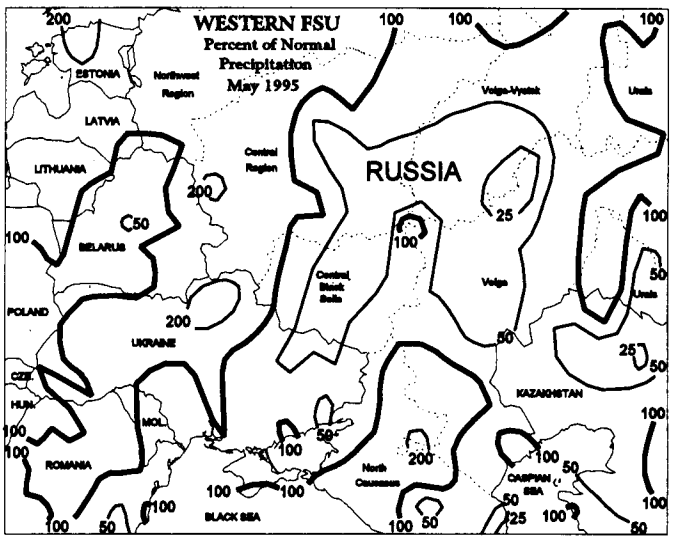


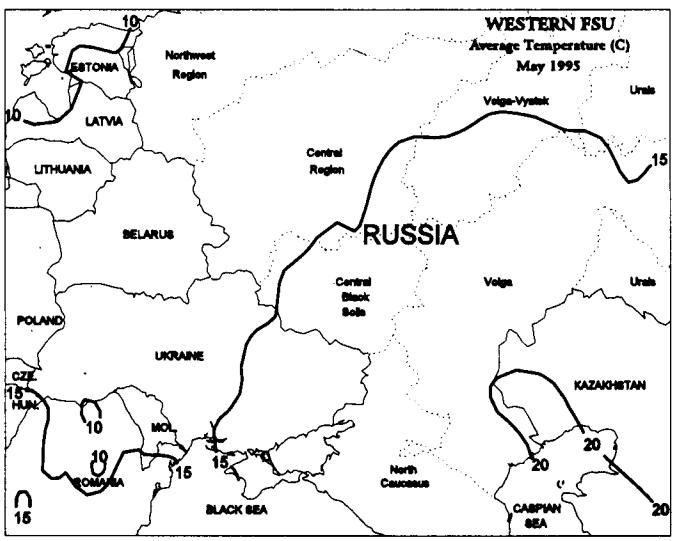


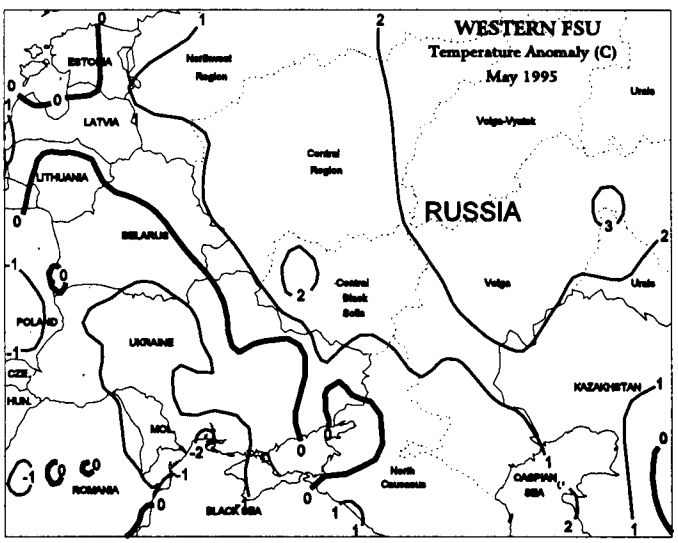
FSU-WESTERN

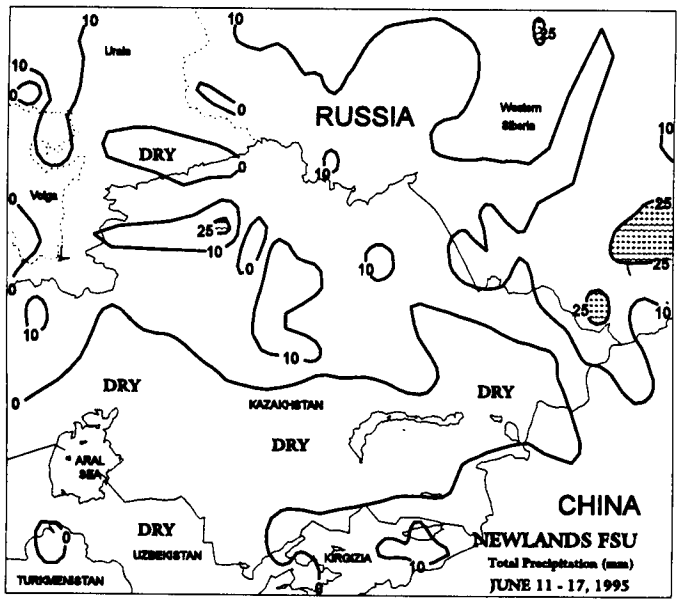
Little, if any, precipitation covered crop areas in northern and central Russia (Volga Valley, eastern portion of Central Region, Volga Vyatsk, Black Soils Region, southern Urals, and the northern tip of North Caucasus), continuing a well-below-normal rainfall pattern that has covered these areas since mid-April. The dryness was accompanied by periodic heat, with maximum temperatures as high as 35 degrees Celsius (C) occurring at week's end. These drought conditions have irreversibly damaged winter grains in the filling to maturing stages and were reducing prospects for spring grains (oats, barley, and wheat) that were advancing through reproduction during the week. Rain and cooler weather is needed to halt further declines in the yield potential of grain crops and to improve conditions for sugar beets and sunflower development. In Ukraine, hot, dry weather increased stress on crops in the east, while light showers (10-25 mm) favored crop development in western and central areas. Elsewhere, light to moderate rain (10-25 mm, with local amounts in excess of 40 mm) favored crops in the Baltics and Belarus. In May, below-normal precipitation was accompanied by a warming trend over northern and central Russia (Volga Valley, Central Black Soils Region, the eastern portion of the Central Region, and the Volga Vyatsk). These weather conditions were unfavorable for winter grains in or nearing reproduction and early spring grain development. In contrast, above-normal precipitation and cool weather in May over the major winter wheat producing region of North Caucasus, Russia favored wheat which advanced through reproduction. In most of Ukraine, the Baltics, and Belarus, above-normal precipitation in May favored crop development. The exception was in eastern Ukraine where below-normal precipitation occurred.





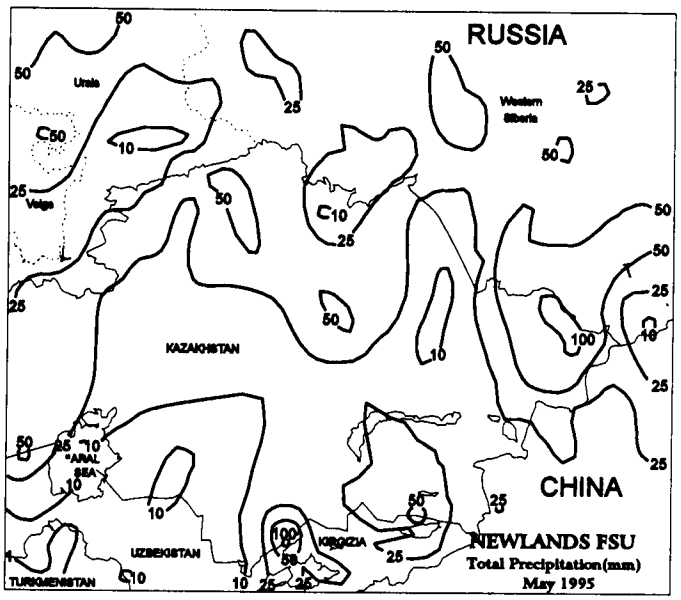


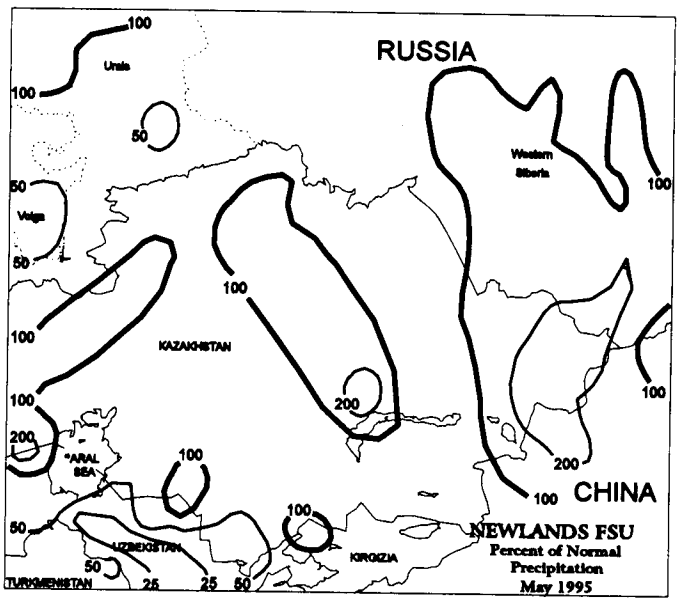


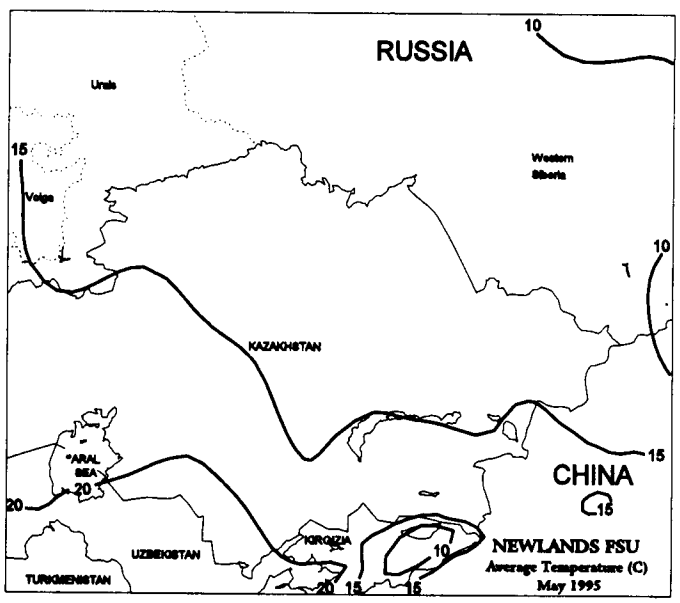


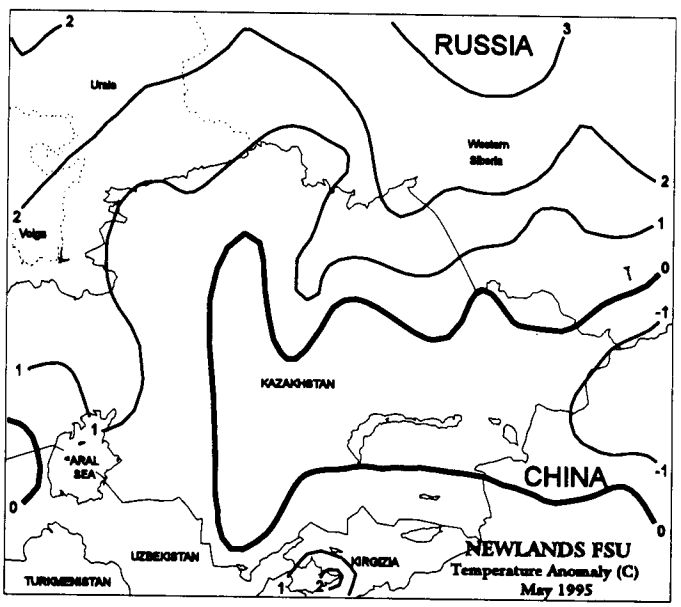
FSU-NEW LANDS

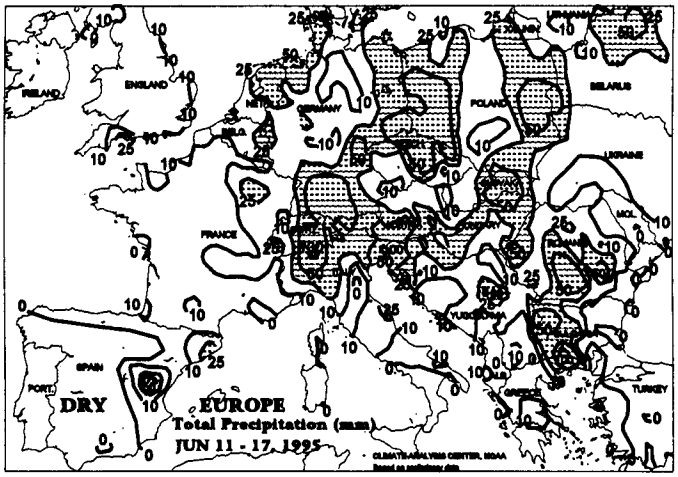
In Russia, unseasonably warm, dry weather returned to the Urals, increasing stress on spring grains in the vegetative stage. Unseasonably cool weather and scattered showers fell over crop areas in Western Siberia, maintaining favorable conditions for spring grain development. In Kazakhstan, scattered showers (3-10 mm, with local amounts in excess of 20 mm) maintained adequate topsoil moisture for vegetative spring grains over major growing areas in the north. However, hot, dry weather stressed crops in the west. Weekly average temperatures were 2-4 degrees C above normal in the Urals and western Kazakhstan and 2-4 degrees C below normal over Western Siberia and northern Kazakhstan. In May, generally dry weather over the Urals and the western half of Western Siberia favored planting. However, topsoil moisture for emergence and establishment was lacking. In eastern areas of Russia (Altay Kray and Eastern Siberia), wet weather slowed planting. In Kazakhstan, near- to above-normal precipitation in May improved topsoil moisture for spring grain emergence, although subsoil moisture remained limited.





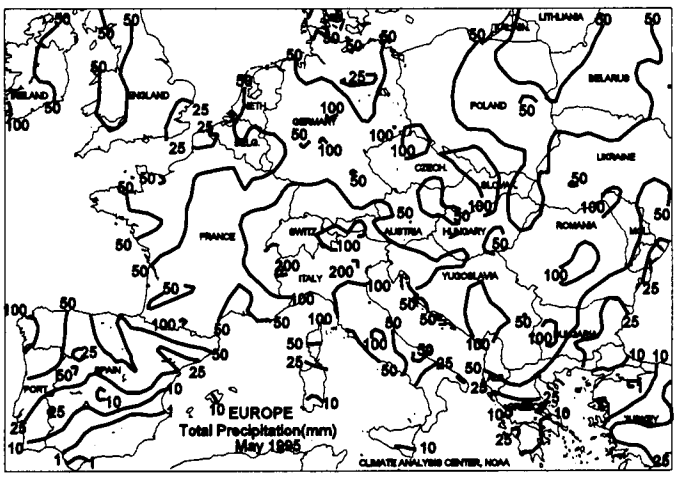


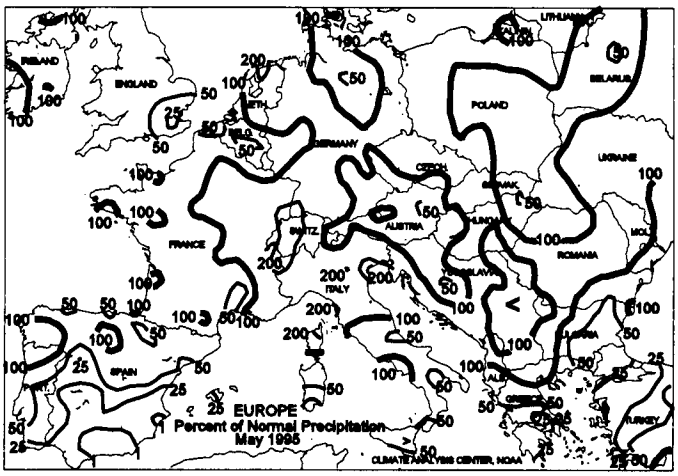


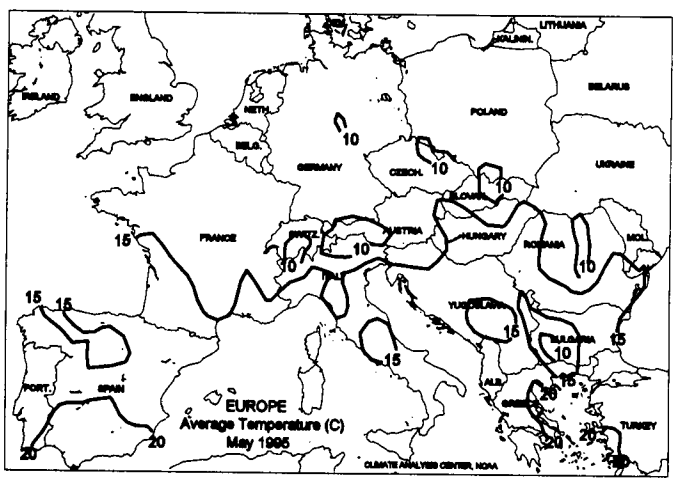


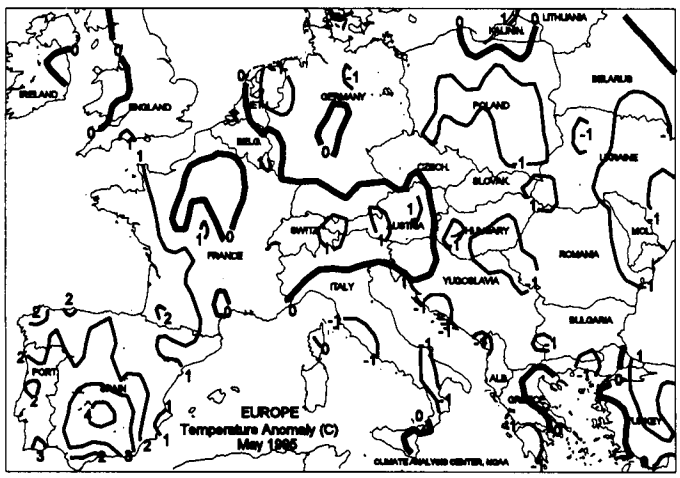
EUROPE

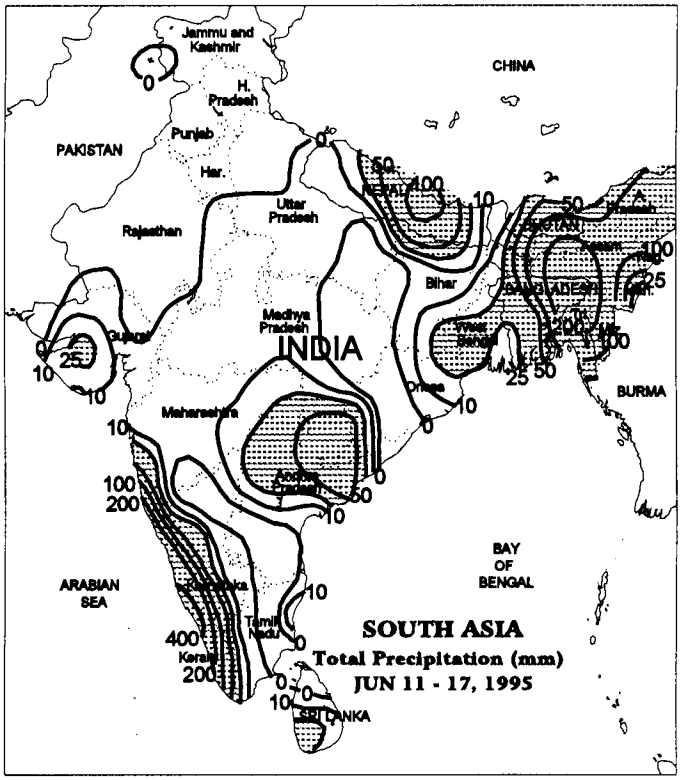
Significant rain (25-50 mm) fell again over Italy's Po Valley and southern Germany, and spread eastward to cover much of eastern Europe as a persistent wet weather pattern continued to dominate the region. Widespread showers (10-25 mm) also benefited filling winter grains and summer crops in the Benelux countries and northern Germany. Light rain (less than 10 mm) fell over the United Kingdom, western France, and most of the Iberian Peninsula. Soil moisture is becoming too low for spring-sown crops in England and France as a persistent below-average rainfall trend persisted. Weekly temperatures averaging 2-4 degrees C below normal reduced evaporative demands. In May, near- to above-average rainfall covered most crop areas. The drought in Spain persisted and rainfall averaged below normal in the United Kingdom, western France, northeastern Germany, southeastern Poland, and the Mediterranean region. While flooding was a problem in northern Italy and wetness slowed corn planting in Romania, topsoil moisture was becoming especially low in southeastern England during May.





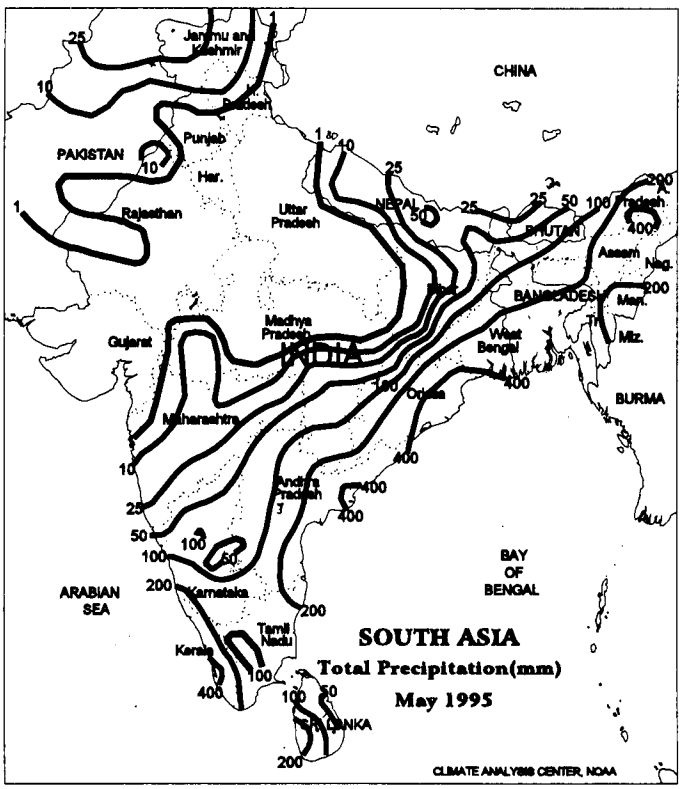


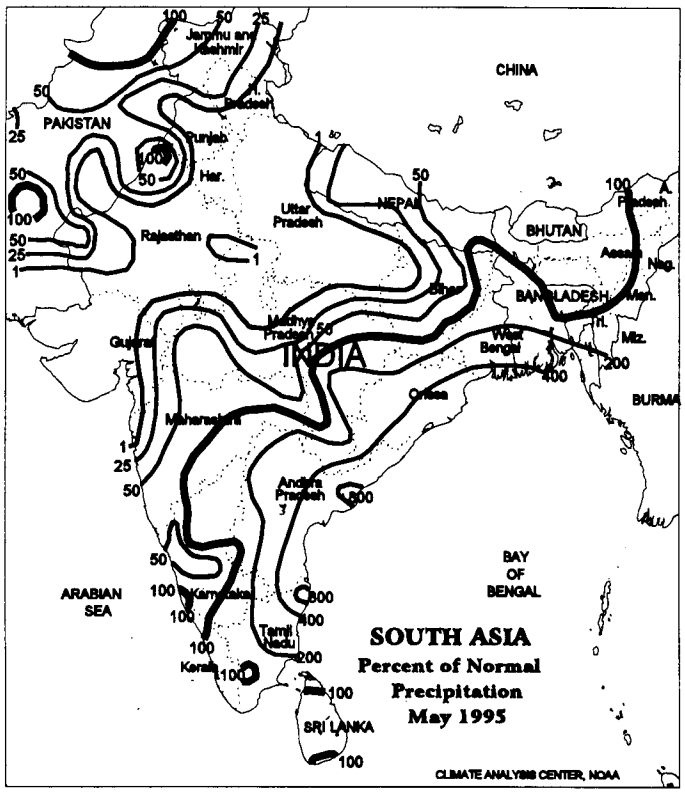


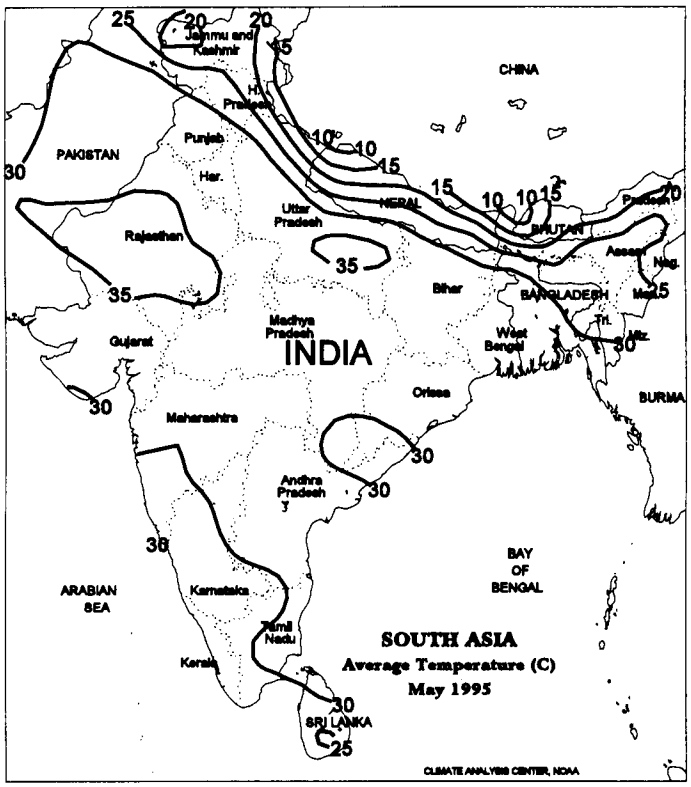


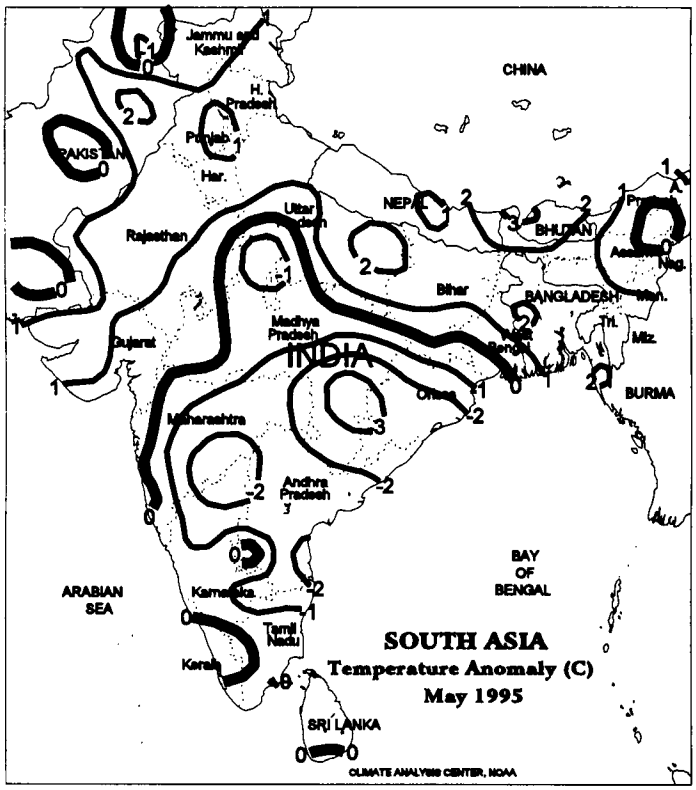
SOUTH ASIA

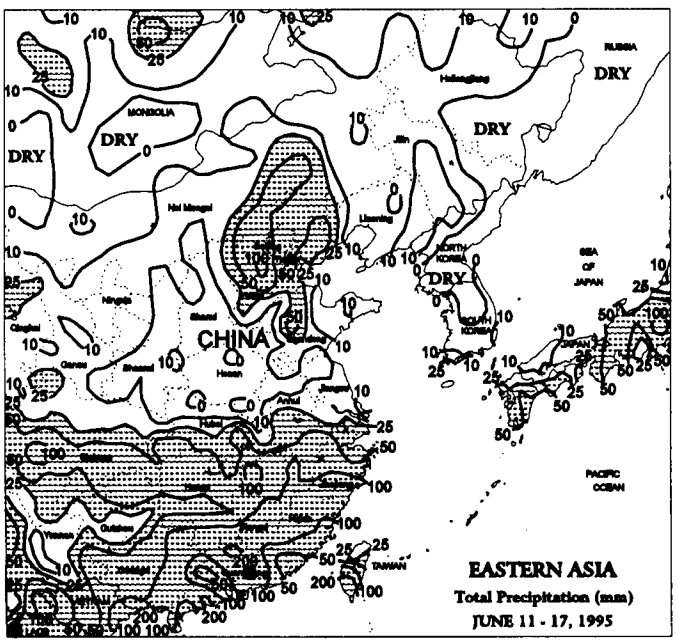
Scattered, locally moderate showers (10-53 mm) over India's southern interior improved local grain, oilseed, and cotton planting prospects. While the showers were encouraging, copious rains will be needed in upcoming weeks for planting to become widespread. Elsewhere, monsoon showers advanced westward through Bangladesh, with inundating rain (100-300 mm or more) flooding some far eastern rice areas (Assam, eastern Bangladesh). Temperatures averaged 2-5 degrees C above normal over the remaining dry areas, but by week's end, the advancing cloud cover and rains brought temperatures to more seasonable levels over central India. However, unseasonable heat (highs in the mid to upper 40's C) persisted daily in Pakistan and north-central India, stressing livestock and cotton. During May, a tropical depression brought heavy showers (100-400 mm or more) and some flooding to coastal rice areas of India and Bangladesh. Winter rice was affected but abundant moisture remained for main-season rice planting. Elsewhere, dry, warm weather in early May aided the completion of grain and oilseed harvesting. By the end of May, however, the heat had become oppressive, stressing livestock and raising cotton irrigation demands.





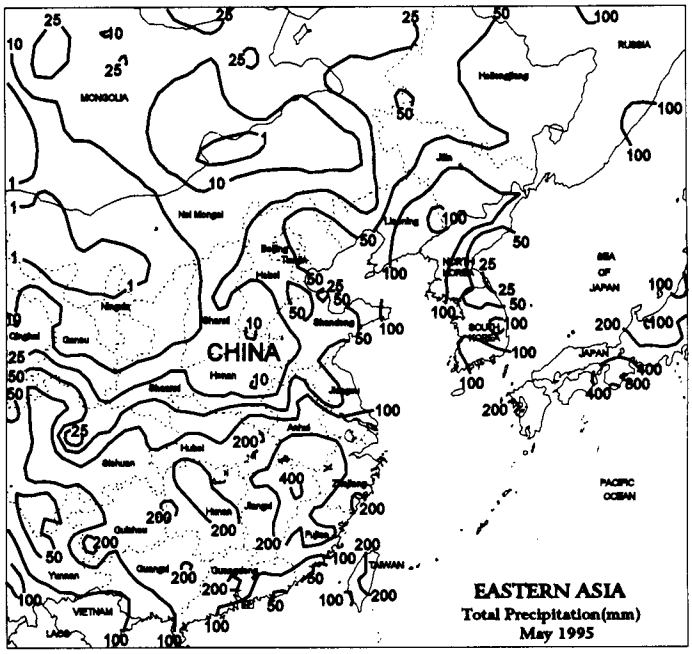


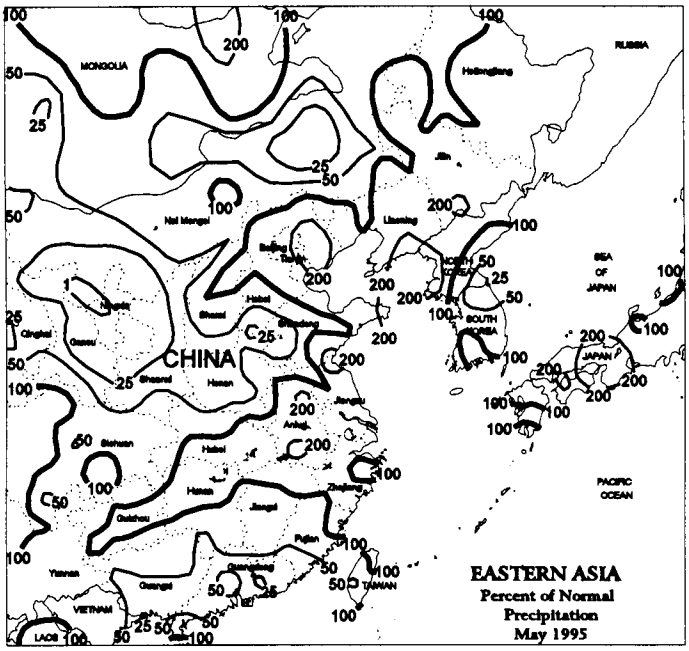


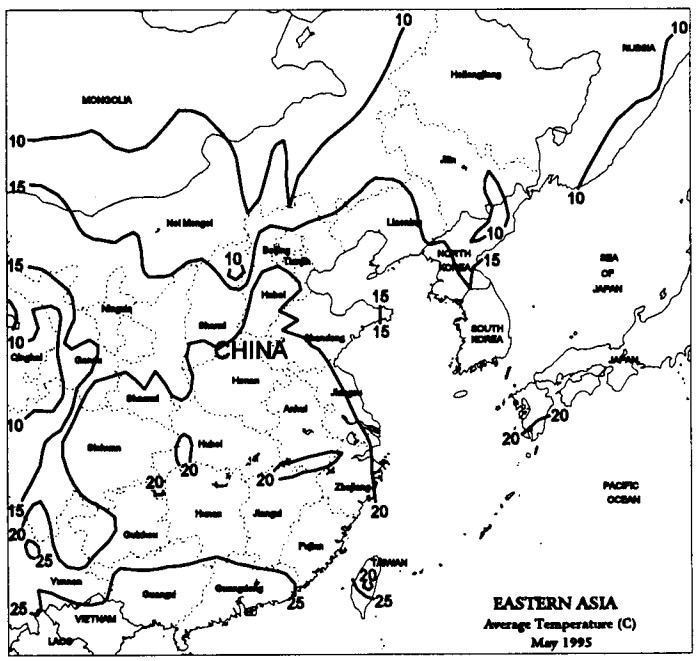


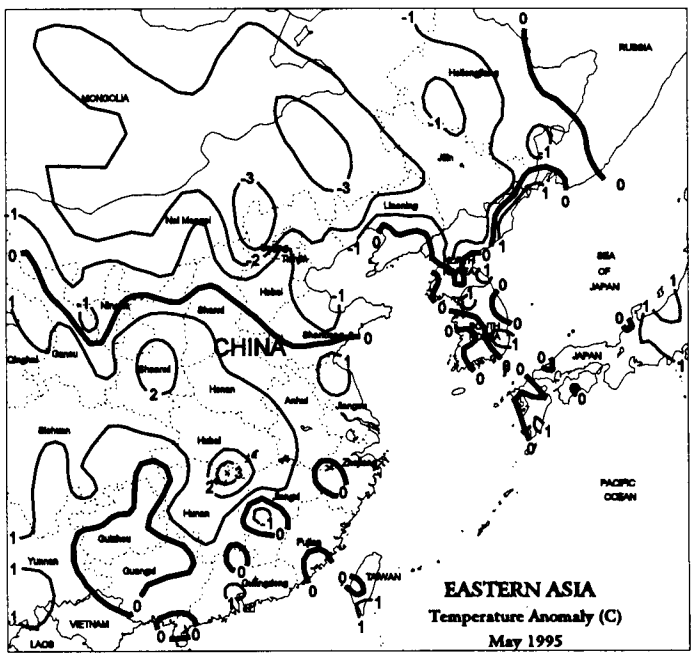
EASTERN ASIA

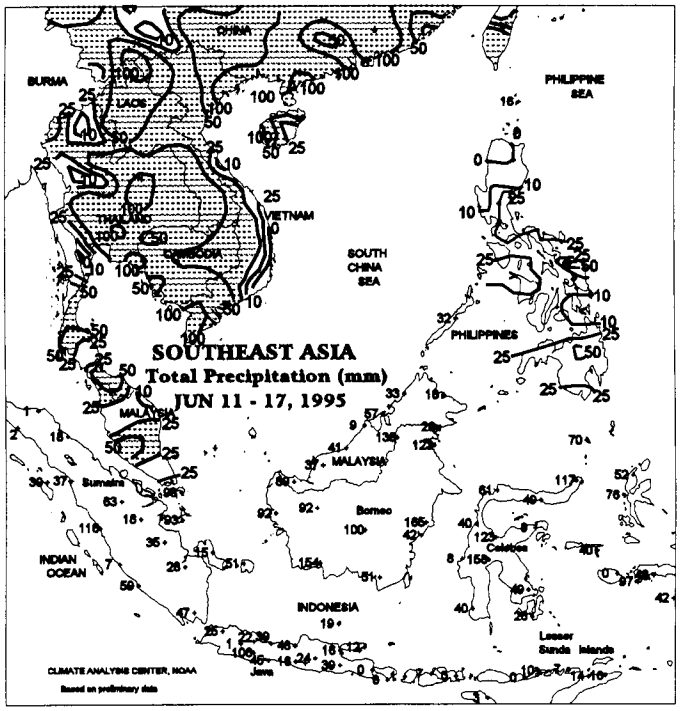
Light to moderate showers (8-50 mm, with an isolated amount greater than 100 mm) fell across the eastern North China Plain (Hebei and Shandong), favoring vegetative summer crops but slowing winter wheat harvesting. Drier weather (1-10 mm) prevailed to the west (Henan, Shanxi, and Shaanxi), aiding wheat harvesting but stressing summer crops. Below-normal temperatures (1-2 degrees C) helped to reduce evapotranspiration rates across the region. Scattered rain (5-20 mm) fell across Manchuria, while temperatures averaged 3-5 degrees C above normal, promoting crop development. Widespread showers (25-100 mm) covered the southern half of China, keeping rice irrigation supplies adequate. Heavier showers (100-175 mm, with isolated amounts greater than 200 mm) fell across northern Guangdong, southern Jiangxi, and northern Fujian, causing some local flooding and slowing early double-crop rice harvesting. Temperatures averaged near normal across eastern China. Mostly dry weather prevailed across the Korean Peninsula, while Japan received moderate rain (20-70 mm) across the southern half and lighter amounts (5-30 mm) across the north. During May, rainfall averaged below normal across the central North China Plain (Henan, southern Hebei, and western Shandong), increasing irrigation demand for winter wheat and reducing topsoil moisture for summer crops. The extreme eastern portions of the North China Plain reported near- to above-normal rainfall. Manchuria and the Yangtze Valley received near- to above-normal May rainfall, while southern China received below-normal rainfall. The eastern portions of the Korean Peninsula received below-normal May rainfall, while the rest of the Korean Peninsula and all of Japan received above-normal rainfall.


EASTERN ASIA
Total Precipitation(mm)
May 1995
CHINA
MONGOLIA
RUSSIA
SEA OF JAPAN
PACIFIC OCEAN


EASTERN ASIA
Percent of Normal
Precipitation
May 1995
CHINA
MONGOLIA
RUSSIA
SEA OF JAPAN
PACIFIC OCEAN

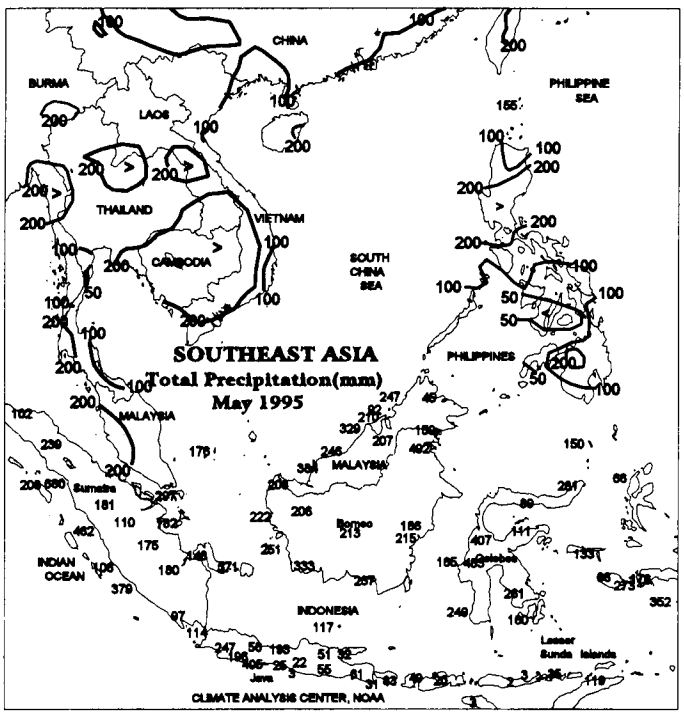

EASTERN ASIA
Average Temperature (C)
May 1995
CHINA
MONGOLIA
RUSSIA
SEA OF JAPAN
PACIFIC OCEAN

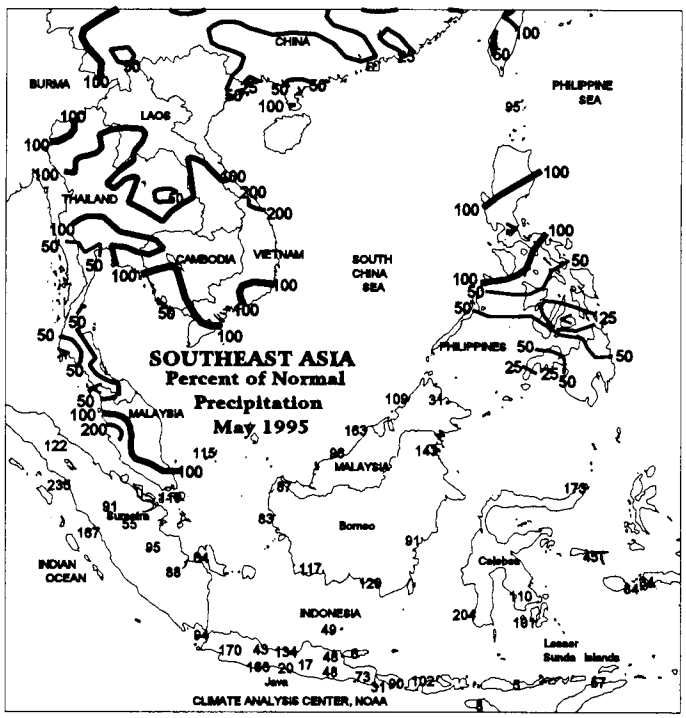

EASTERN ASIA
Temperature Anomaly (C)
May 1995
CHINA
MONGOLIA
RUSSIA
SEA OF JAPAN
PACIFIC OCEAN

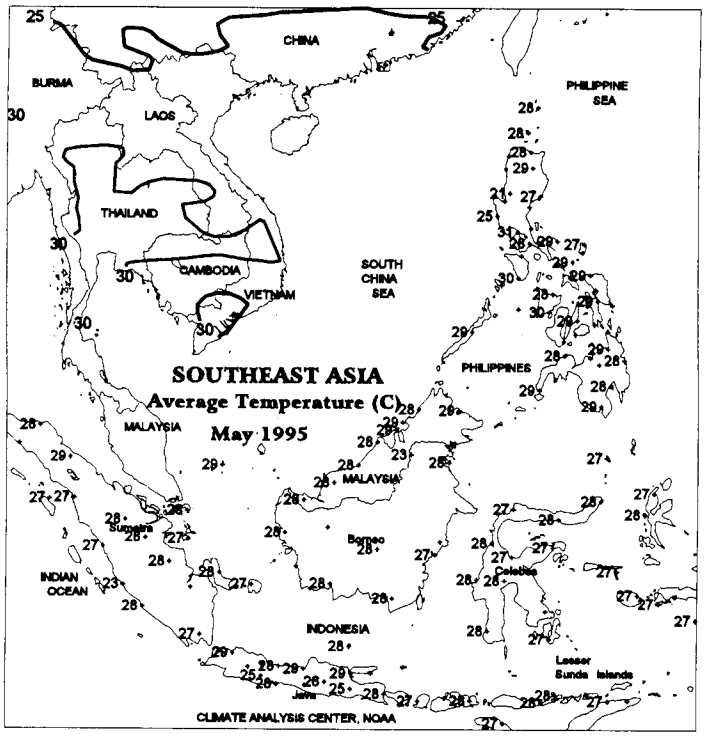


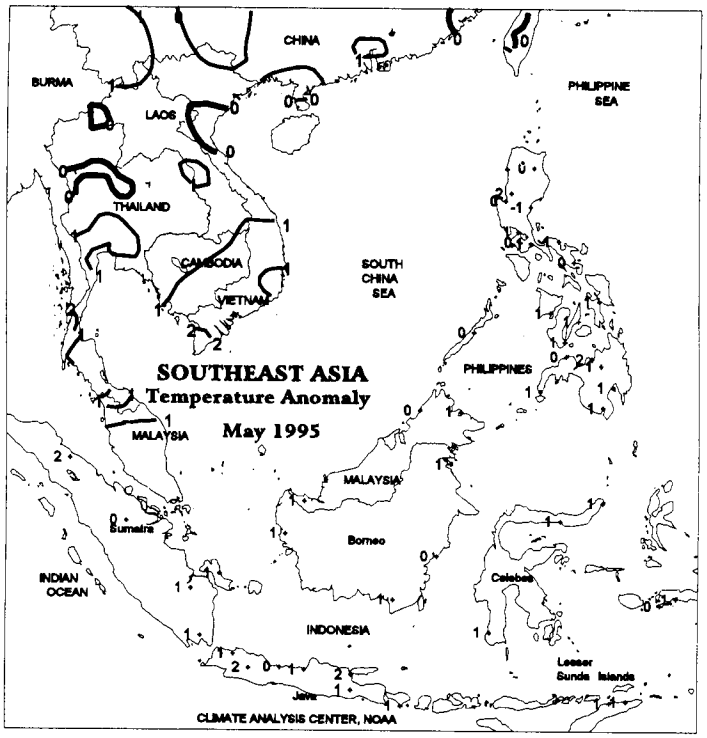
SOUTHEAST ASIA

Widespread showers benefited most major crop areas of Indochina. In Thailand, the heaviest rains (50-100 mm or more) shifted southward, benefiting rice and corn areas of central and southeastern Thailand that were dry last week. Drier weather (rainfall totaling 25 mm or less in most areas) returned to Thailand's Northern Hills region, and continued for the fourth week along central Vietnam's coast. While normally not as wet as far northern and southern Vietnam, central coastal areas should receive 10-15 mm of rain per week. Farther south, moderate rain (17-66 mm) fell in western Malaysia's oil palm areas, while in Java, scattered, mostly moderate showers (20-50 mm, with a few locations reporting 95-125 mm) increased moisture for secondary rice and other crops. More rain was needed in major Philippine grain and sugarcane areas as only a few areas reported more than 25 mm. During May, the southwest monsoon progressed through Indochina, benefiting newly sown main-season crops. Farther south, erratic rains resulted in below-normal May rainfall for Malaysia's oil palm. In Java, unseasonably heavy showers continued early in the month, causing additional main-season rice harvesting delays but increasing moisture reserves for secondary crops. Below-normal May rainfall in the Philippines reduced moisture for grain and sugarcane establishment.

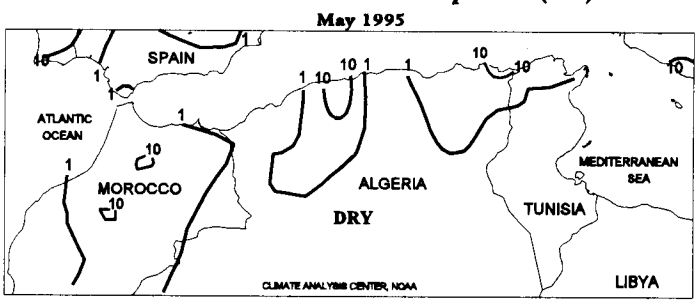




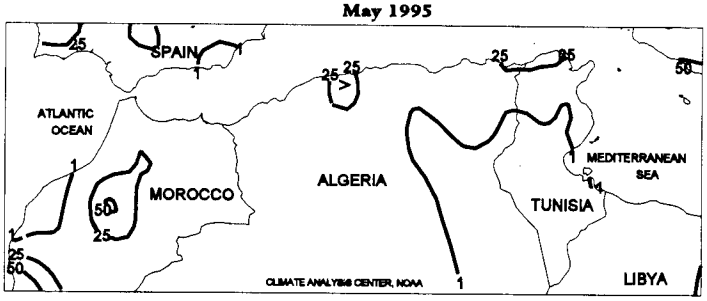




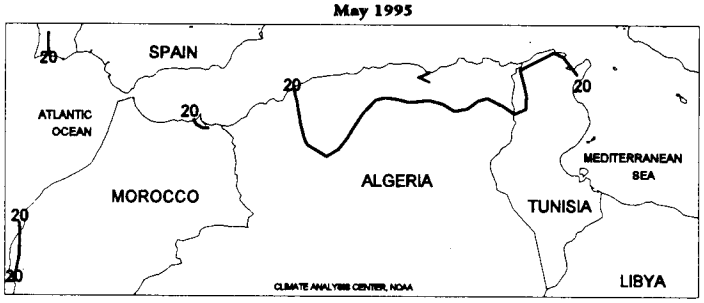
NORTHWEST AFRICA Total Precipitation (mm)
May 1995



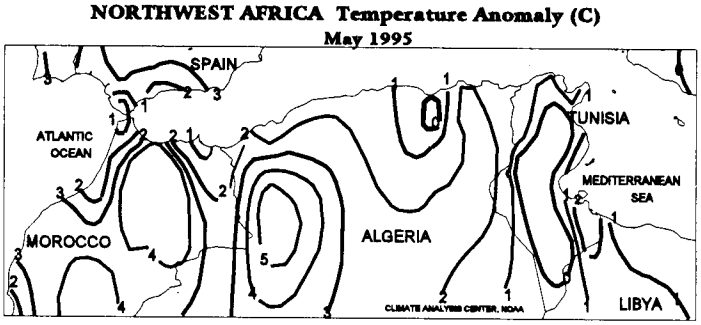
NORTHWEST AFRICA Percent of Normal Precipitation
May 1995

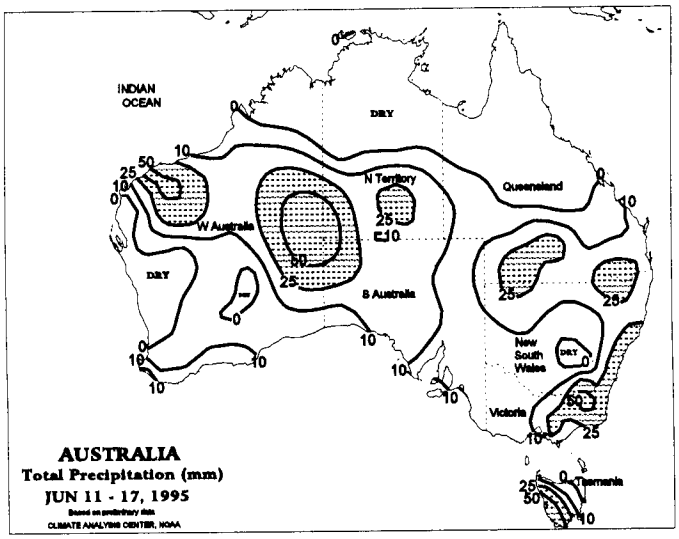


NORTHWEST AFRICA Average Temperature(C)
May 1995



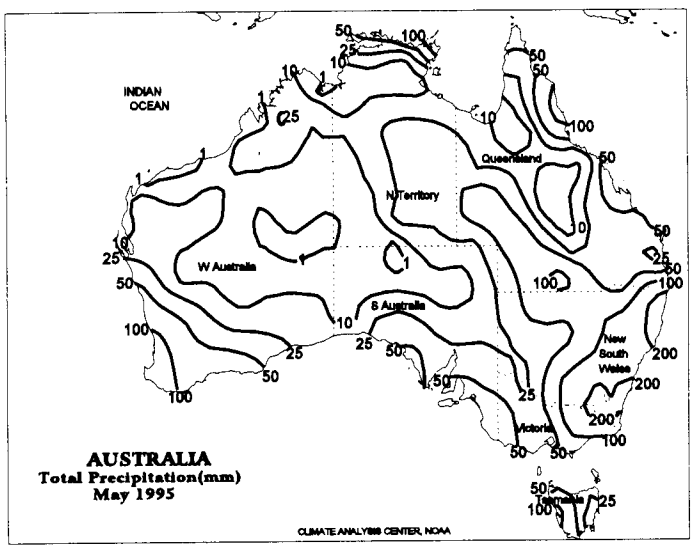
NORTHWEST AFRICA Temperature Anomaly (C)
May 1995

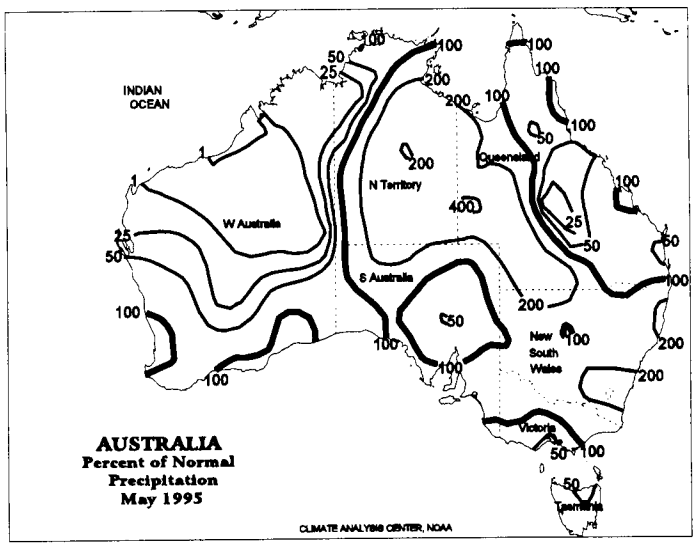


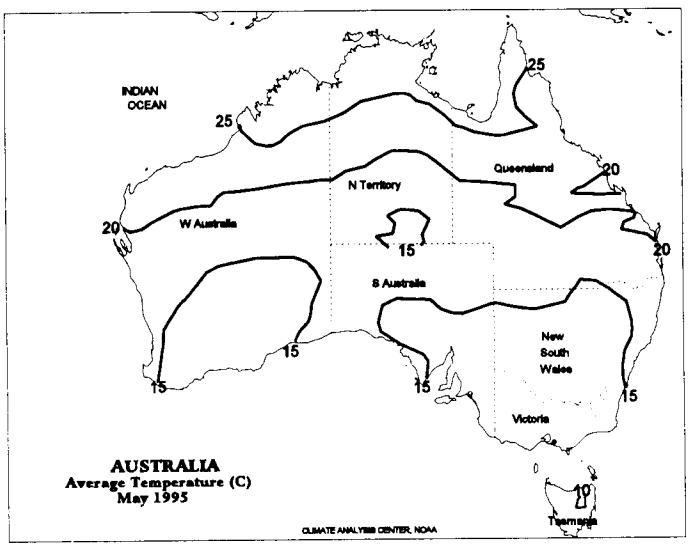


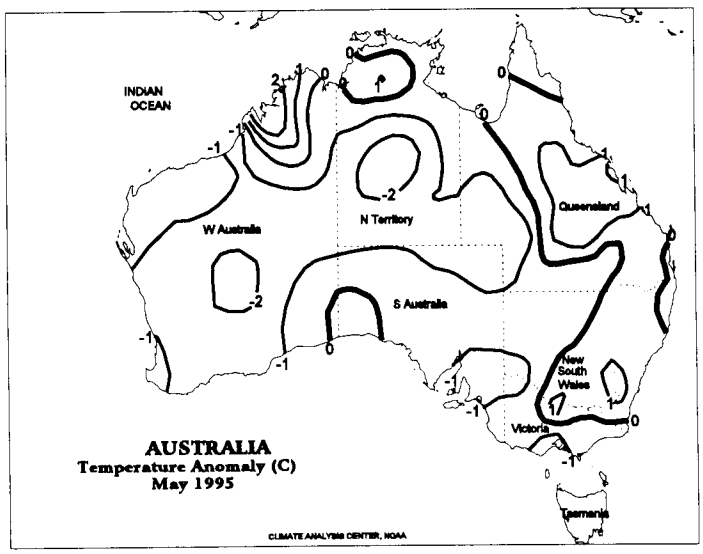
AUSTRALIA

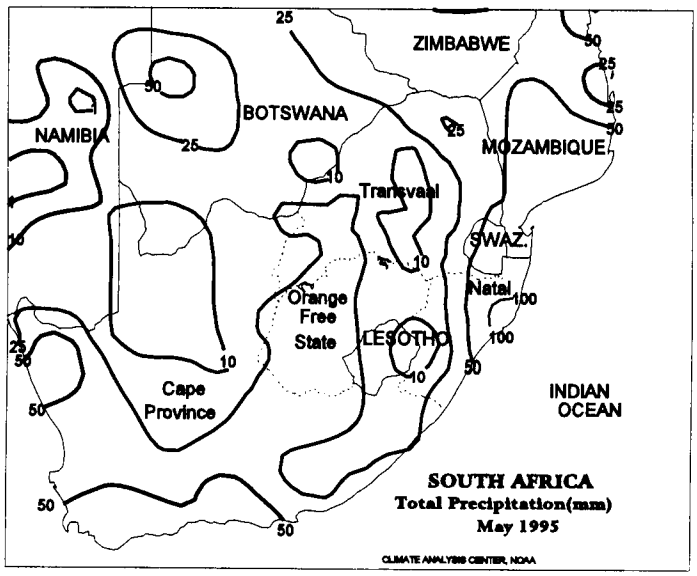
Moderate showers (15-45 mm) fell across southern Queensland, boosting soil moisture for germinating winter wheat and pastures. However, dry weather still prevailed in east-central Queensland (near Emerald), where topsoil moisture was insufficient for wheat emergence. Elsewhere in the east and south, scattered light rain (5-20 mm) kept topsoils moist for germinating wheat. Mostly dry weather promoted wheat planting in the west. Dry weather aided sugarcane harvesting across northeastern Queensland. Temperatures averaged 1-3 degrees C below normal across most wheat areas. In New Zealand, moderate rain (30-50 mm) fell across central North Island and northern South Island, keeping pastures well watered. During May, most Australian wheat areas received near- to above-normal May rainfall, while portions of New South Wales received much-above-normal (greater than 200 percent of normal) rainfall. These rains greatly increased soil moisture for wheat planting. Near- to below-normal rainfall was reported across southern Queensland's wheat areas and northeastern Queensland's sugarcane areas.

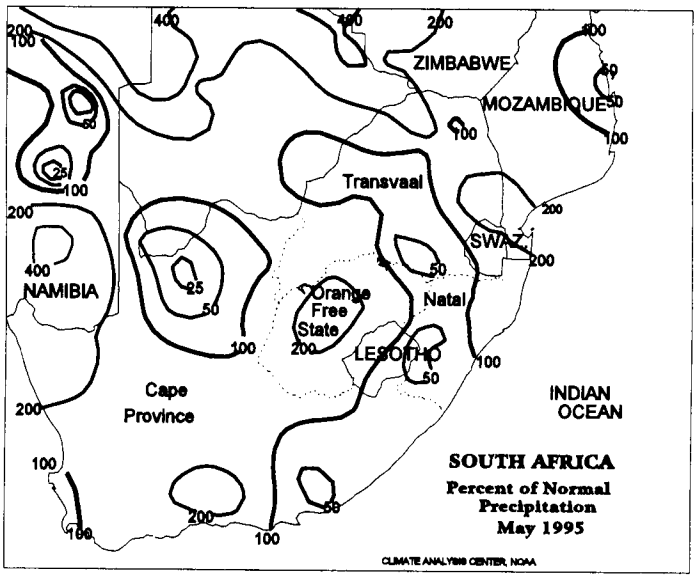


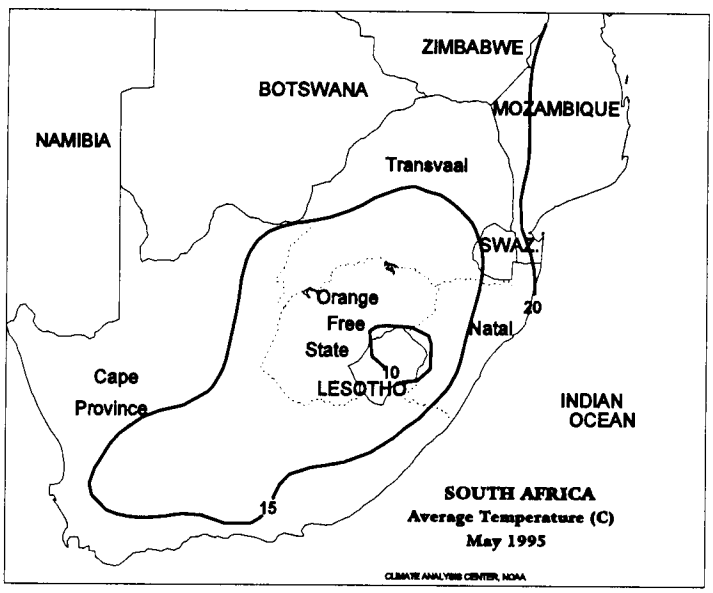


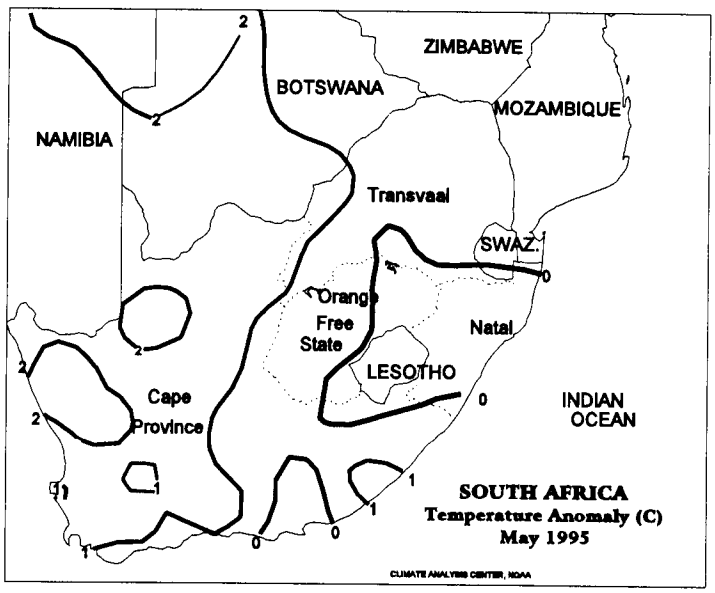


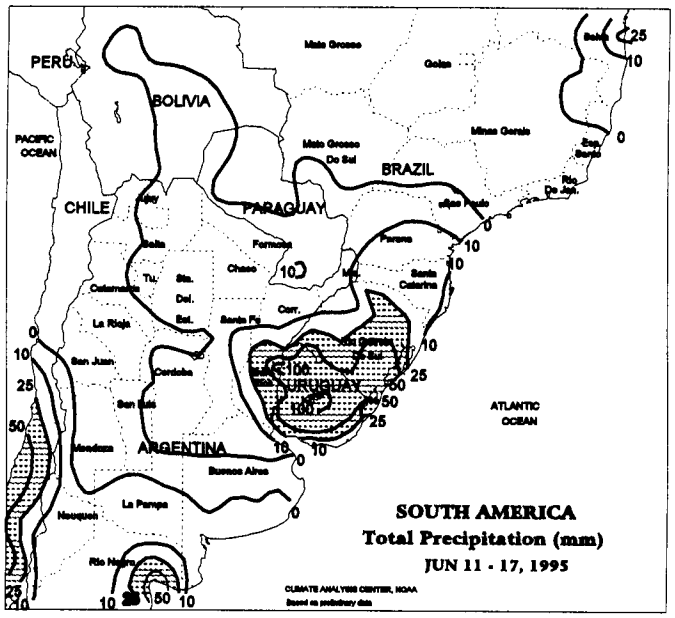



ZIMBABWE
BOTSWANA
NAMIBIA
MOZAMBIQUE
Transvaal
SWAZ.
Orange Free State
Natal
LESOTHO
Cape Province
INDIAN OCEAN
SOUTH AFRICA
Total Precipitation(mm)
May 1995
CLIMATE ANALYSIS CENTER, NOAA


ZIMBABWE
MOZAMBIQUE
Transvaal
SWAZ.
NAMIBIA
Orange Free State
Natal
LESOTHO
Cape Province
INDIAN OCEAN
SOUTH AFRICA
Percent of Normal Precipitation
May 1995
CLIMATE ANALYSIS CENTER, NOAA

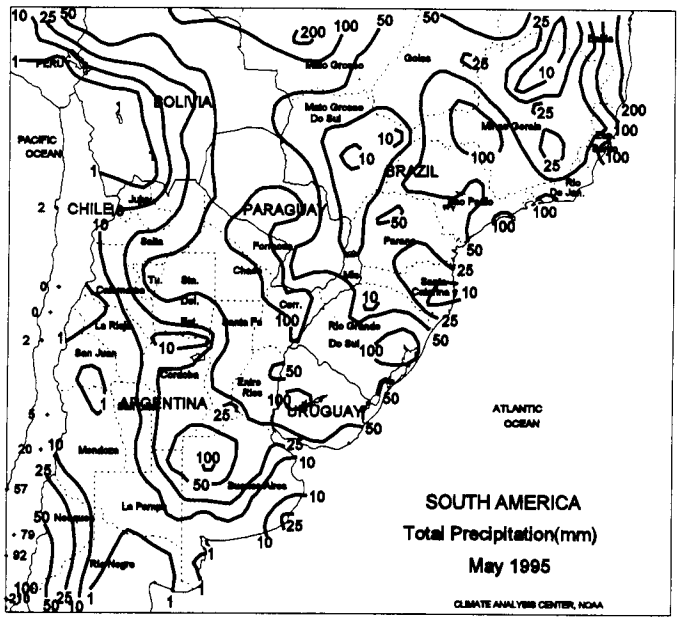

ZIMBABWE
BOTSWANA
MOZAMBIQUE
NAMIBIA
Transvaal
SWAZ.
Orange Free State
Natal
LESOTHO
Cape Province
INDIAN OCEAN
SOUTH AFRICA
Average Temperature (C)
May 1995
CLIMATE ANALYSIS CENTER, NOAA

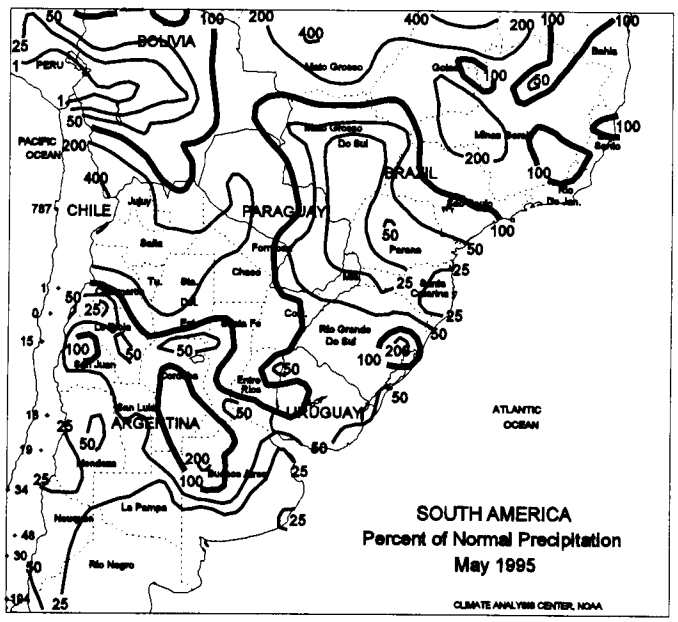

ZIMBABWE
BOTSWANA
MOZAMBIQUE
NAMIBIA
Transvaal
SWAZ.
Orange Free State
Natal
LESOTHO
Cape Province
INDIAN OCEAN
SOUTH AFRICA
Temperature Anomaly (C)
May 1995
CLIMATE ANALYSIS CENTER, NOAA

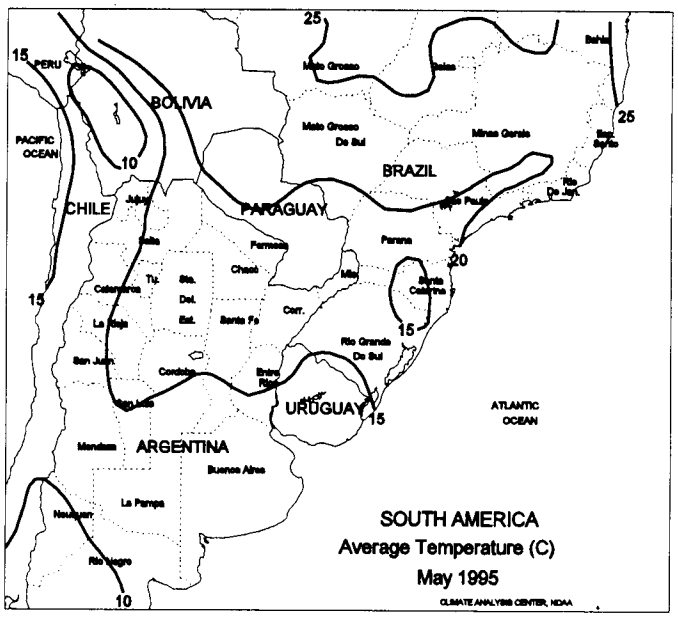


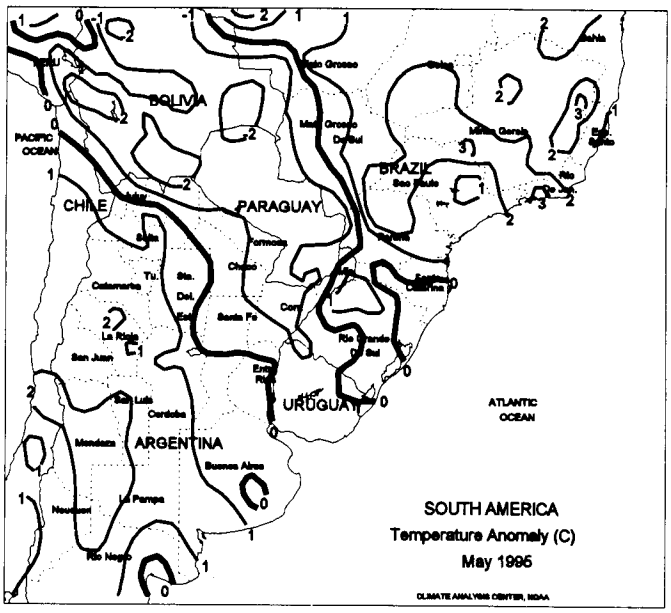
SOUTH AMERICA

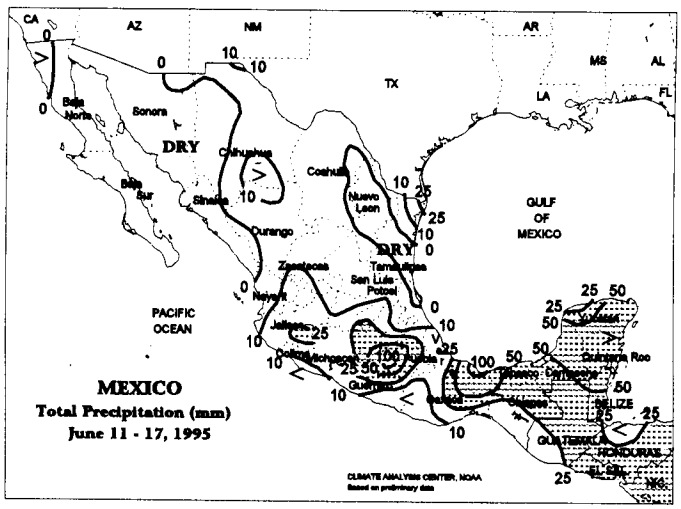
Mostly dry weather continued across central Argentina, favoring summer crop harvesting, but reducing soil moisture for emerging winter wheat, especially in southern Buenos Aires. Corn and soybean harvesting was greater than 90 percent complete. In southern Brazil, light to moderate rain (10-50 mm) fell across eastern Parana into southern Rio Grande do Sul, benefiting vegetative winter wheat. Dry weather prevailed elsewhere across southern Brazil, aiding late summer crop harvesting. Light to moderate rain (10-25 mm) favored cocoa along coastal Bahia. In Argenina, northern Buenos Aires and southern Cordoba received near- to above-normal May rainfall, slowing summer crop harvesting but increasing soil moisture for winter wheat planting. In southern Buenos Aires, May rainfall averaged less than 25 percent of normal, reducing soil moisture for wheat planting. Across southern Brazil, May rainfall averaged below normal from Mato Grosso do Sul southward. In the north, rainfall averaged near to much above normal, slowing summer crop harvesting.





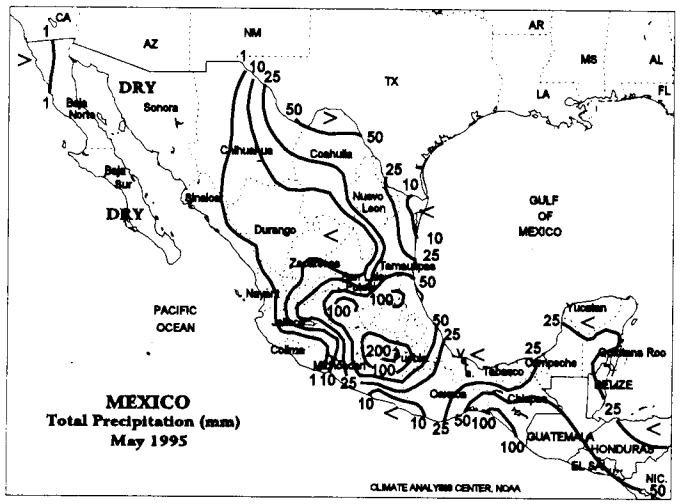


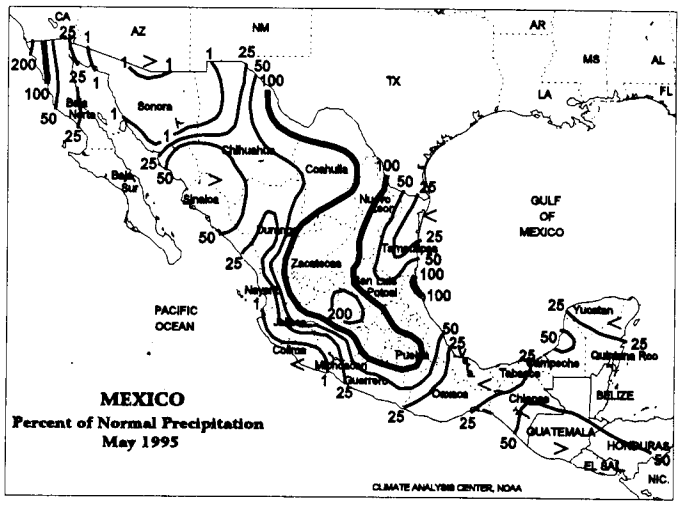


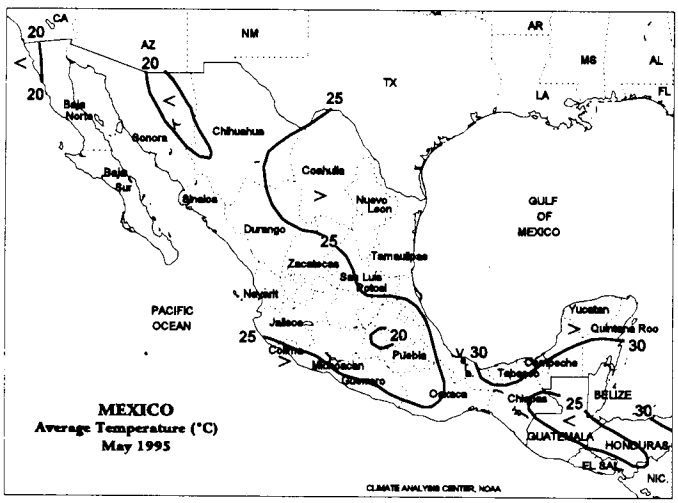


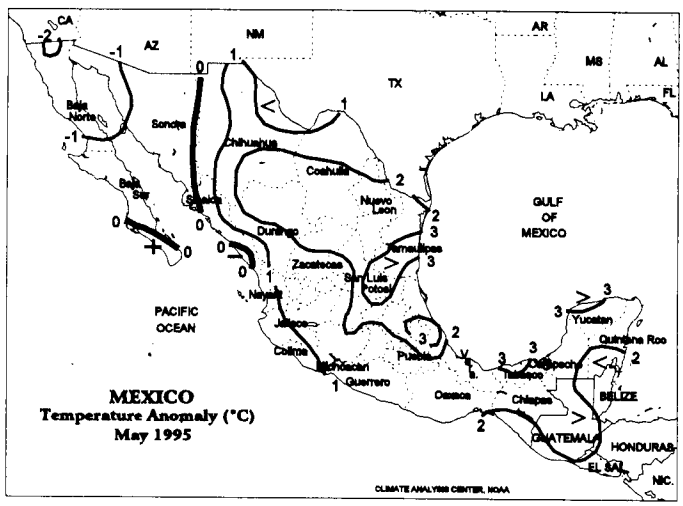
MEXICO

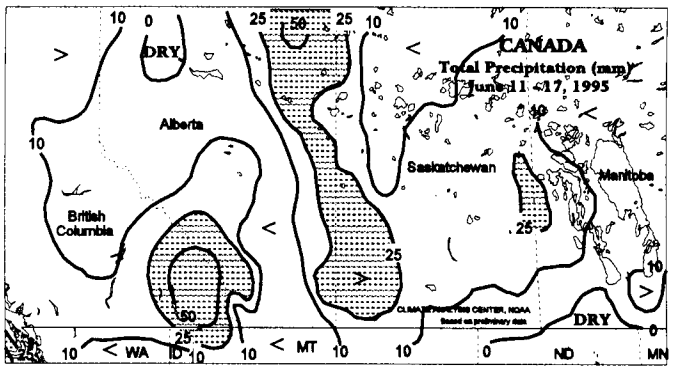
Light to moderate rain (8-25 mm, with an isolated amount greater than 75 mm) covered the southern Plateau corn belt, increasing soil moisture for corn planting. Due to inconsistent early-season rain, timely rains will be needed the next few months to ensure normal yields. In the north, cooler weather (temperatures averaging near normal), with scattered rain (4-15 mm), helped to reduce stress to pastures. However, due to the long-term dryness, rain is still needed across the region. Moderate to heavy showers (20-80 mm) covered the Yucatan Peninsula. Weekly temperatures averaged 1-2 degrees C above normal across the main corn belt and 2-4 degrees C above normal in the northwest (Sonora). In May, rainfall averaged near normal across the eastern and central corn belt and portions of north-central Mexico (Zacatecas). Elsewhere, below-normal rainfall prevailed. May temperatures averaged 2-3 degrees C above normal across eastern and northern Mexico, stressing pastures.





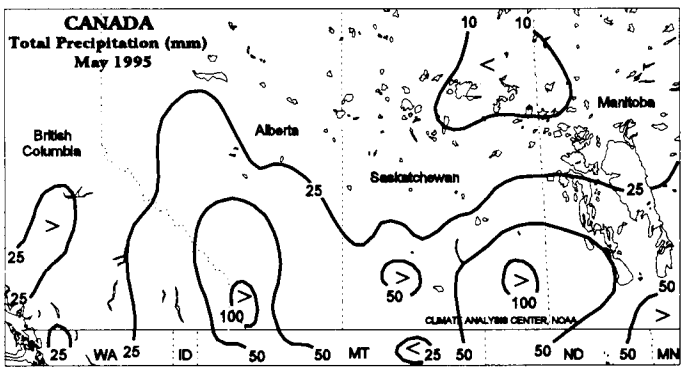


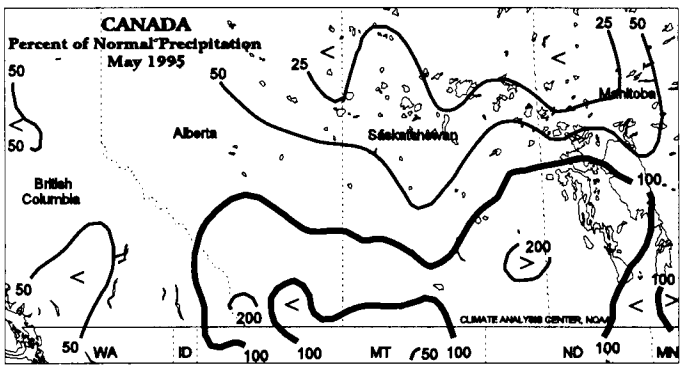


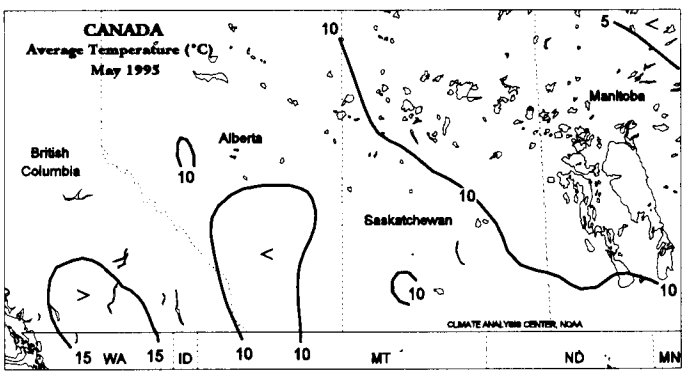


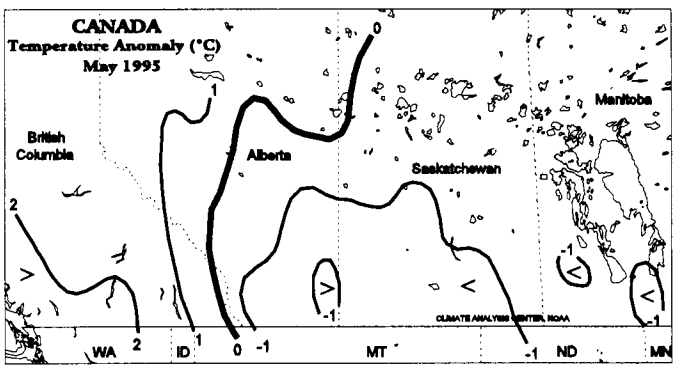
CANADA

A frontal system pushed slowly eastward across the Prairies, bringing moderate showers (10-33 mm) to a broad area from southeastern Alberta to central Manitoba. Hot weather ahead of the front (highs in the low to mid 30's C) engulfed the southeastern Prairies, with unseasonable heat lingering in southern Manitoba at week's end. Rainfall remained light (5 mm or less) along the U.S. border from central Saskatchewan eastward and in most central and northern crop areas of Alberta. The recent drying trend in Alberta has reduced topsoil moisture for normal crop establishment. In Ontario, dry, seasonably mild weather covered corn and soybean areas for the second week, necessitating more rain for vegetative crops. During May, chronic cool, wet conditions slowed Prairie grain and oilseed planting. The soggiest areas stretched from central Saskatchewan to the Interlake region. May rainfall was near to below normal in northwestern Prairie growing areas, failing to fully recharge soil moisture.









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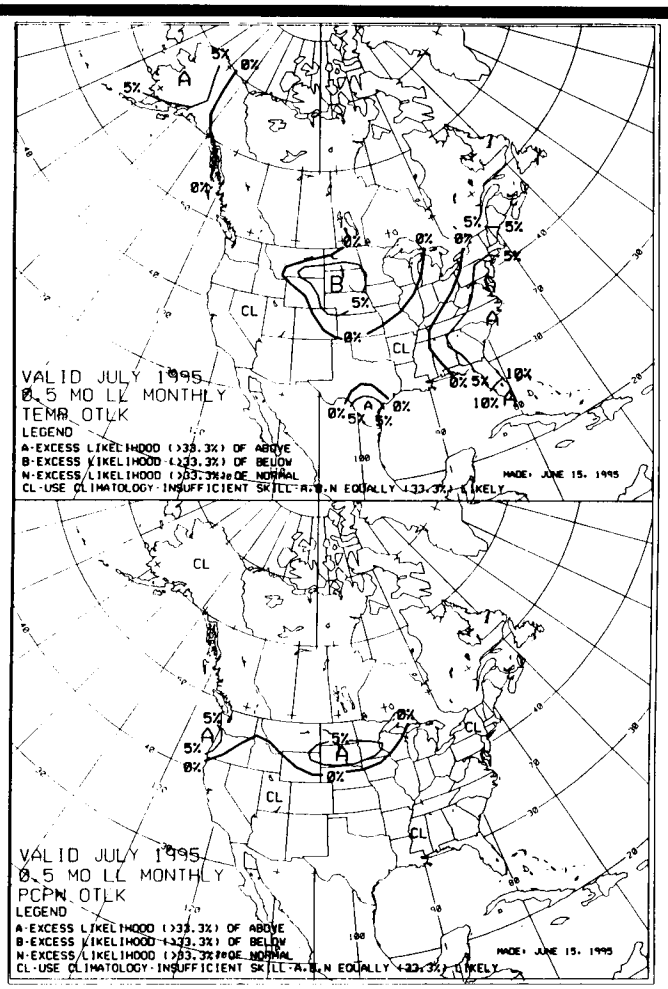

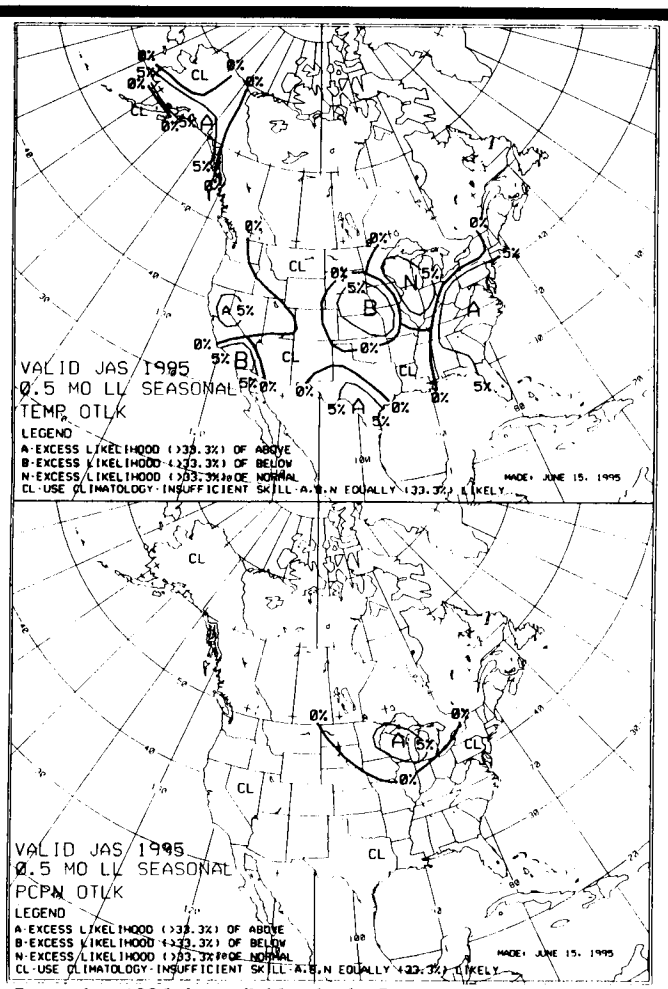

A complete set of long-lead products, extending out to July-August-September 1996, is available via the Internet:
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