WEEKLY WEATHER AND CROP BULLETIN

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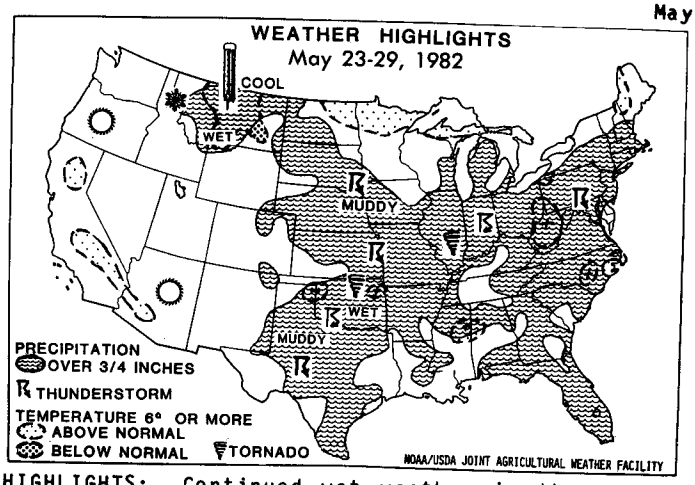
National Weather Summary

May 23-29



HIGHLIGHTS: Continued wet weather in the western Corn Belt further delayed planting. Showers and thunderstorms fell over nearly all of the United States east of the Rockies. Widespread severe weather covered the area from central Texas to eastern Nebraska and through the Ohio Valley. Snow fell in the northern Rockies, and cold rainshowers covered the northern High Plains.

SUNDAY...Thunderstorms covered the Plains from Texas to western North Dakota and east of the Rockies. Severe weather produced tornadoes, hail, and heavy downpours from west-central Texas to northeastern Oklahoma and in western Nebraska. Widespread hail fell in some areas of Texas and damaged vegetation. Showers and thunderstorms also covered most of the eastern United States east of the Appalachians. Thunderstorms were in the upper Ohio Valley, but it was mostly showers through the Northeast. Little rain fell west of the Rockies, but temperatures reached the high nineties in northern California.

MONDAY...Thunderstorms continued through the Plains. Heavy activity covered the area from southern Texas to eastern Nebraska. Tornadoes, hail, and occasional downpours were mostly in Texas and Oklahoma, but near-continuous rain in Nebraska, Kansas, and Arkansas caused serious local flooding. Rain and rainshowers covered the Northeast while thunderstorms dominated the Southeast. Temperatures dropped into the thirties in the central Rockies, but most of the West was clear and warm. High temperatures broke the 100° mark all the way to northern California.

TUESDAY...A slow-moving cold front continued to bring wet weather to the central United States, flooding fields and delaying farm work. Showers and thundershowers scattered along the eastern slopes of the Rockies from Wyoming to Texas, across northern Texas, through the lower Mississippi Valley, and over the Southeast. Clear skies brought warm temperatures to the West. Eighty degree readings reached into Washington.

WEDNESDAY...Showers and thunderstorms continued through the central Plains and slowly moved eastward into the Ohio and Tennessee Valleys and the lower Great Lakes region. Flooding and standing water in fields was common through Nebraska, Iowa, Missouri, and parts of Illinois. The showers and thunderstorms continued in the Southeast. Another frontal system moved into the northern Rockies, bringing more rainshowers and even some snow at high elevations.

THURSDAY...Showers and thunderstorms continued through the night over the northern Rockies and moved over the High Plains. Snow fell over portions of Montana. More thunderstorms developed from Arizona to western Texas and the central Plains. Severe weather extended from western Texas to northwestern Arkansas. Thunderstorms moved over the Great Lakes and Ohio Valley, extending over the Appalachians to the east coast States south of New York.

FRIDAY...Cold temperatures prevailed over the northern Rockies where more snow fell, and cold rainshowers fell over the northern Plains. Moderate to severe thunderstorms developed through Kansas and Nebraska and extended into the middle Mississippi Valley. Thunderstorms were less severe through the Ohio Valley and central Appalachians to the east coast, but some heavy rain fell from Maryland to New York.

SATURDAY...Snow continued in western Montana where significant amounts covered the ground even in the lower valleys. The cold rain pushed

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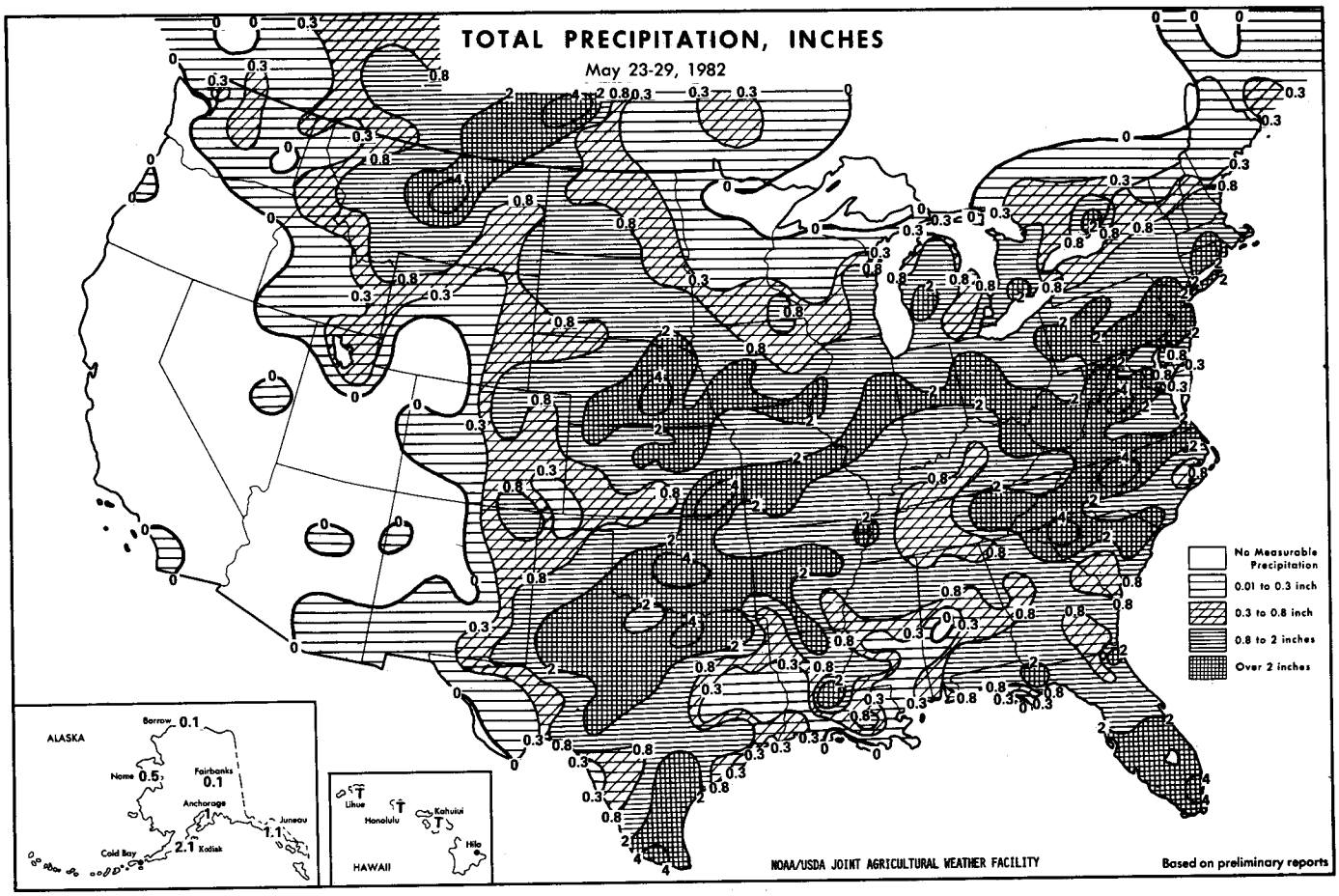
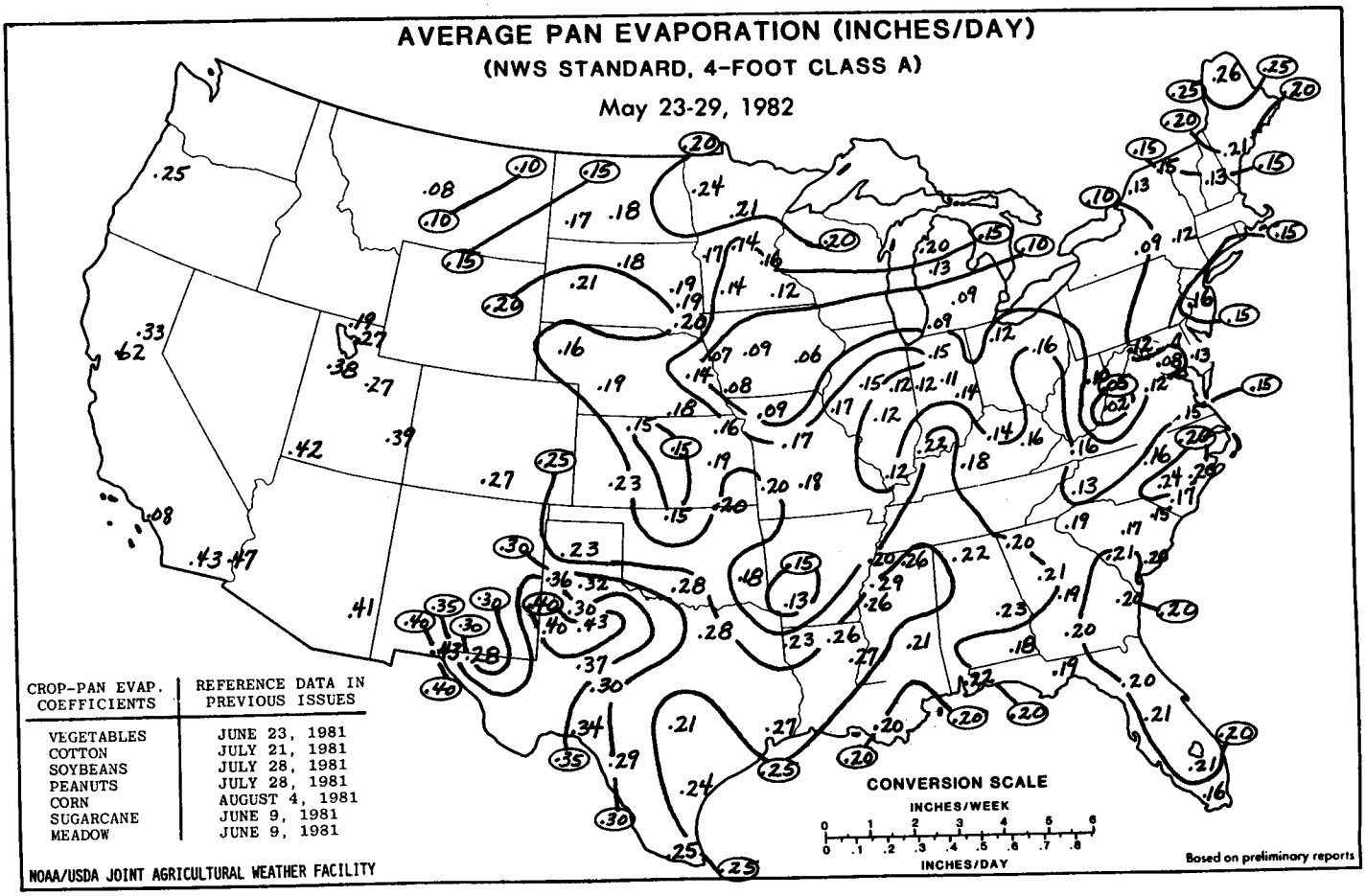
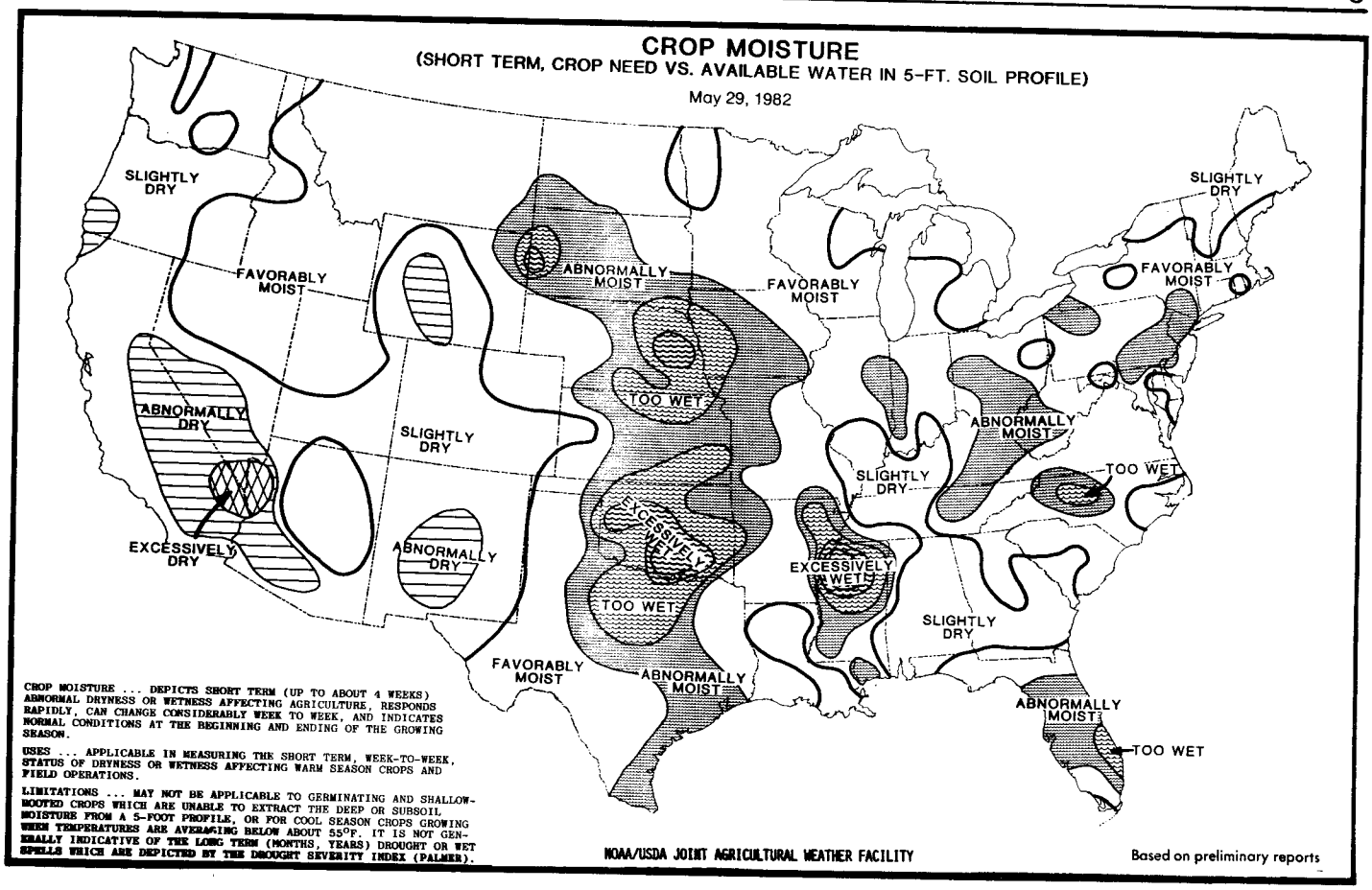
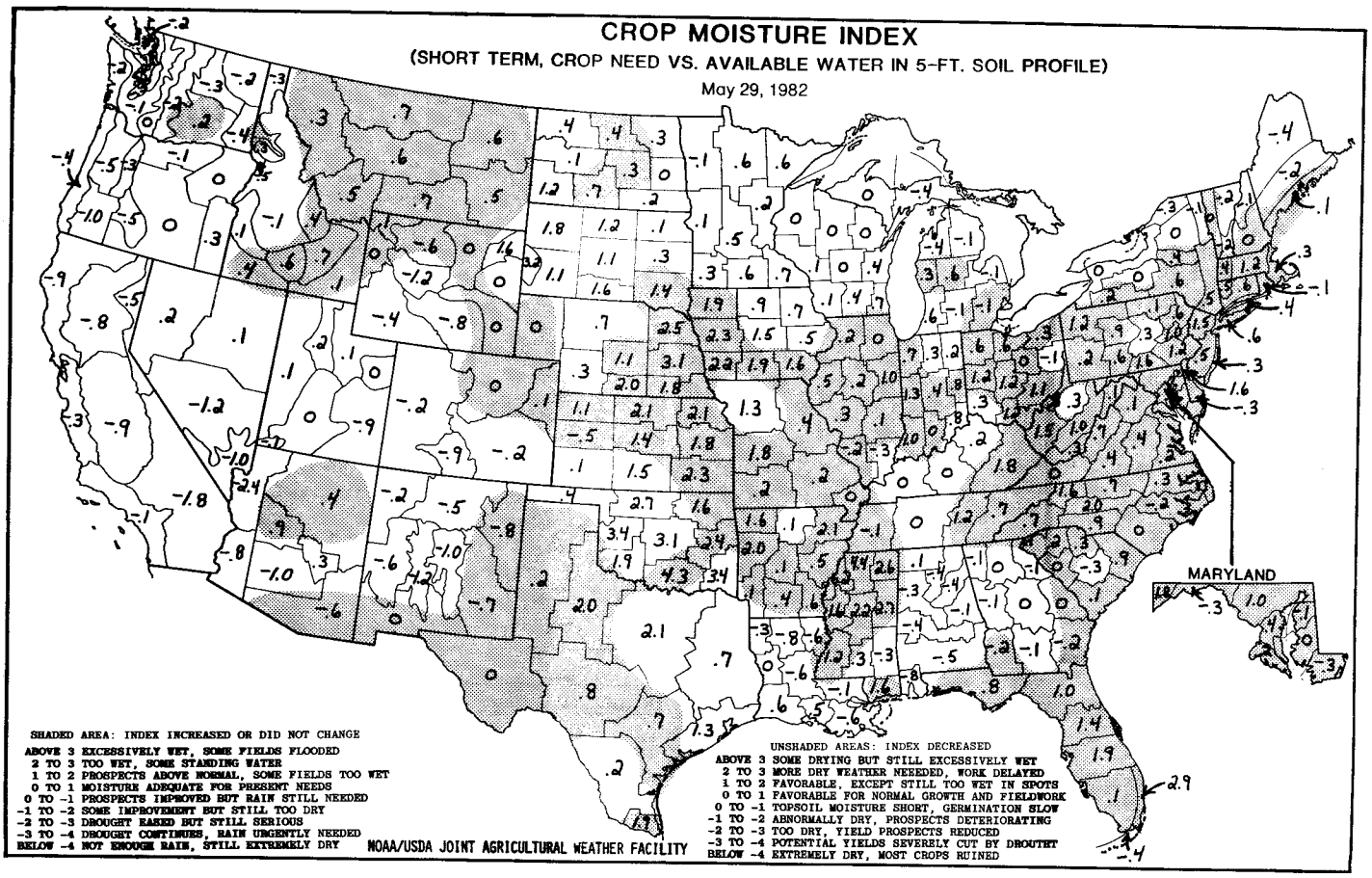
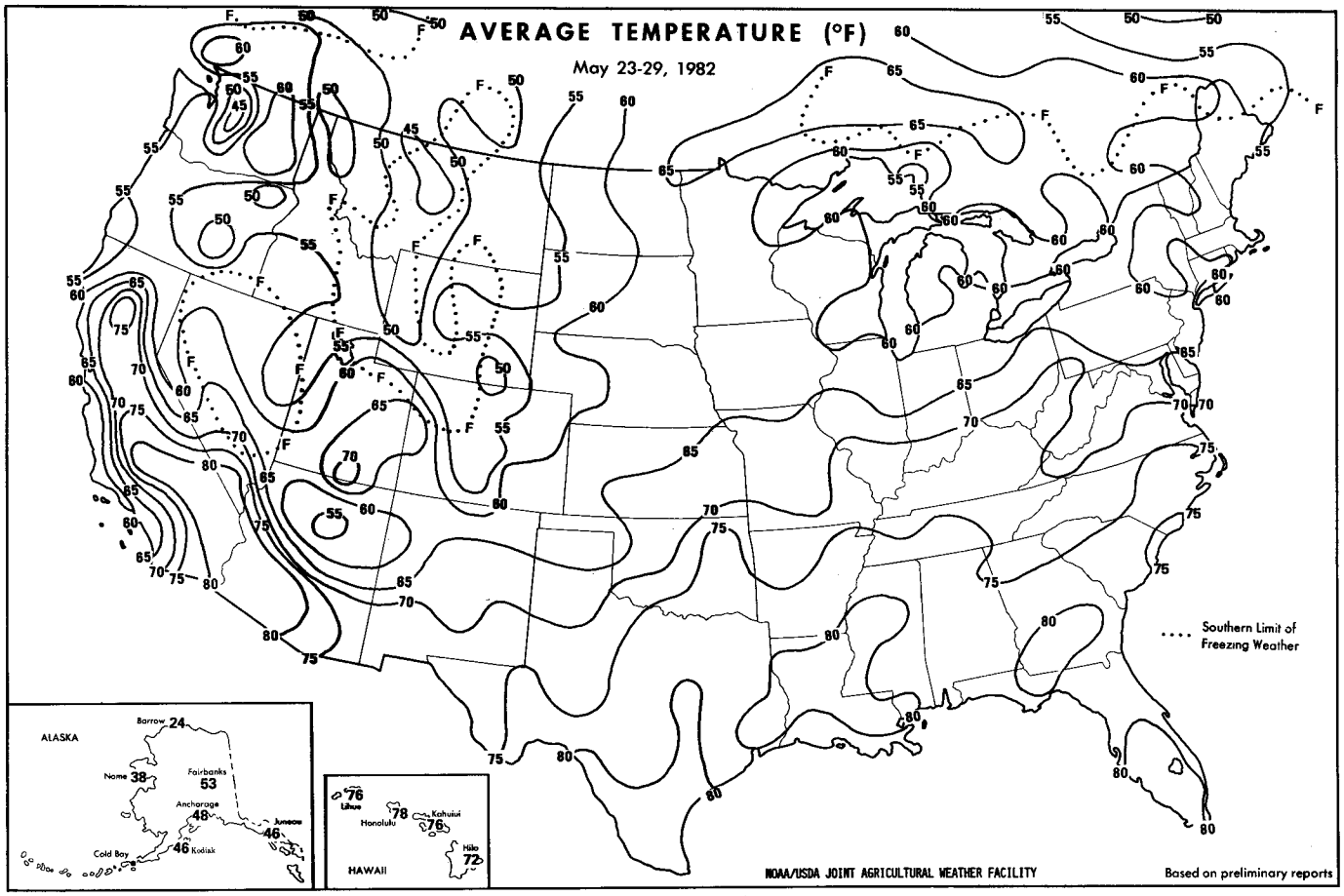
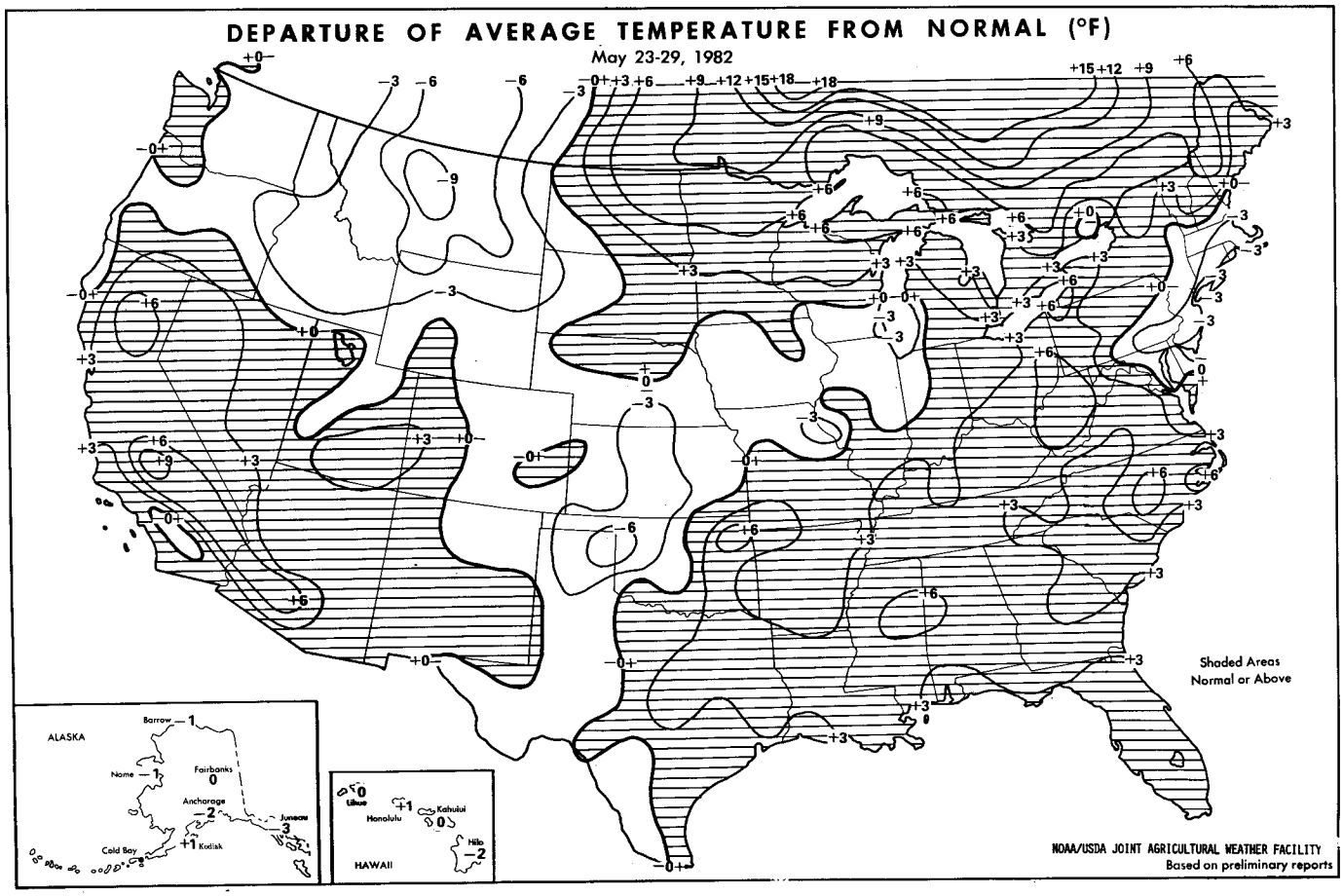

TOTAL PRECIPITATION, INCHES
May 23-29, 1982
No Measurable Precipitation
0.01 to 0.3 inch
0.3 to 0.8 inch
0.8 to 2 inches
Over 2 inches
ALASKA
Barrow 0.1
Nome 0.5
Fairbanks 0.1
Anchorage
Juneau 1.1
Cold Bay
2.1 Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

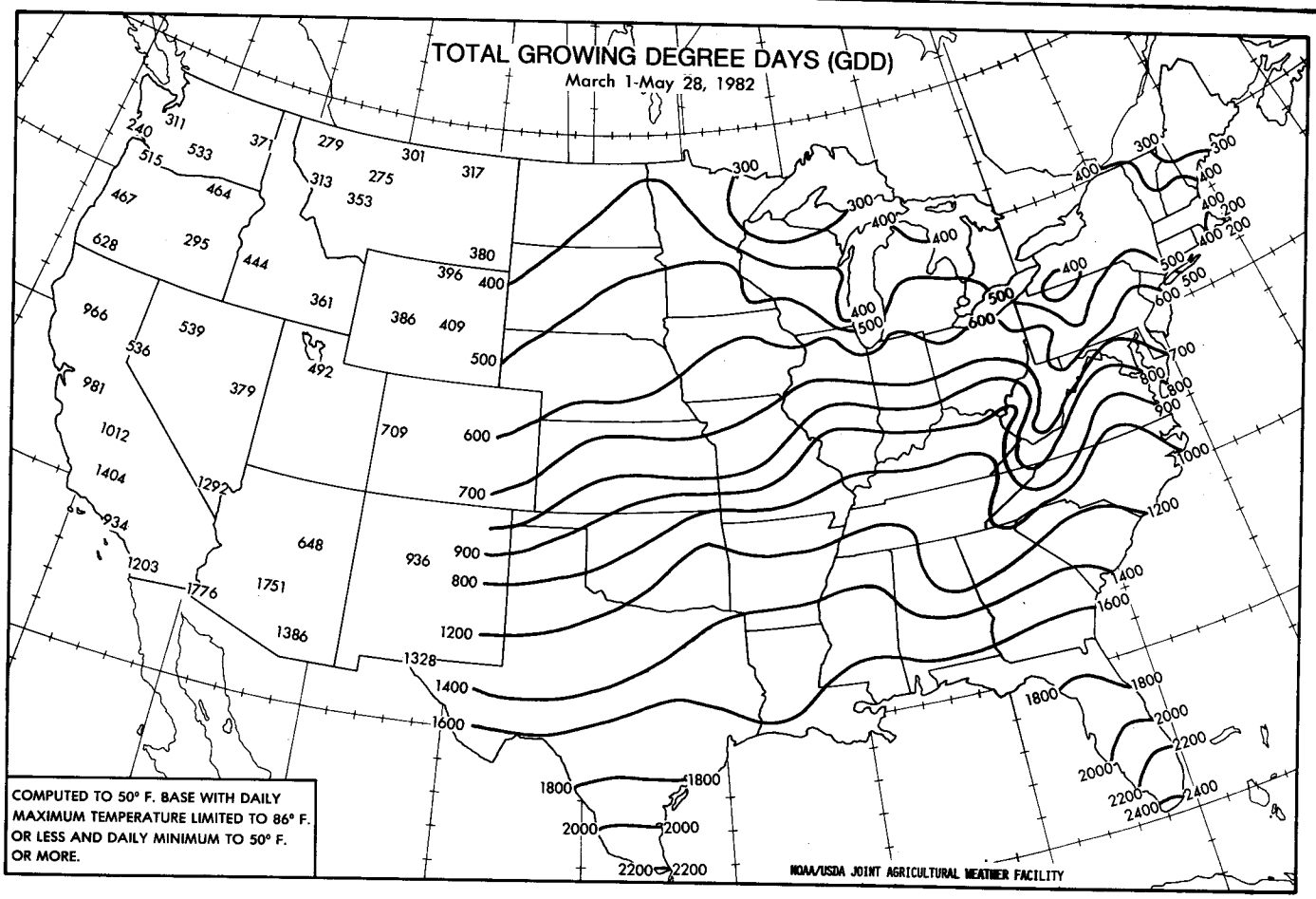

AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
May 23-29, 1982
CROP-PAN EVAP. COEFFICIENTS
REFERENCE DATA IN PREVIOUS ISSUES
VEGETABLES JUNE 23, 1981
COTTON JULY 21, 1981
SOYBEANS JULY 28, 1981
PEANUTS JULY 28, 1981
CORN AUGUST 4, 1981
SUGARCANE JUNE 9, 1981
MEADOW JUNE 9, 1981
CONVERSION SCALE
INCHES/WEEK
INCHES/DAY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
May 29, 1982
SLIGHTLY DRY
FAVORABLY MOIST
ABNORMALLY DRY
EXCESSIVELY DRY
SLIGHTLY DRY
ABNORMALLY DRY
ABNORMALLY MOIST
TOO WET
EXCESSIVELY WET
TOO WET
FAVORABLY MOIST
ABNORMALLY MOIST
FAVORABLY MOIST
EXCESSIVELY WET
SLIGHTLY DRY
ABNORMALLY MOIST
SLIGHTLY DRY
FAVORABLY MOIST
ABNORMALLY MOIST
TOO WET
ABNORMALLY MOIST
TOO WET
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 ENDING 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 (PALMER).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

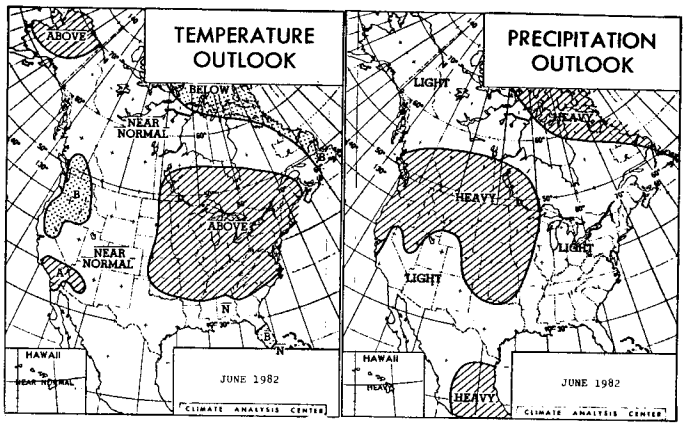

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
May 29, 1982
MARYLAND
SHADED AREA: INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
UNSHADED AREAS: INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUTHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


AVERAGE TEMPERATURE (°F)
May 23-29, 1982
Southern Limit of Freezing Weather
ALASKA
Barrow 24
Nome 38
Fairbanks 53
Anchorage 48
Juneau 46
Cold Bay 46
Kodiak
HAWAII
Lihue 76
Honolulu 78
Kahului 76
Hilo 72
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

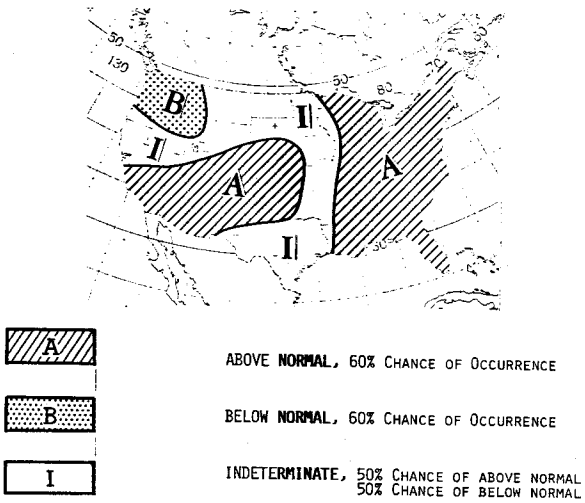

DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
May 23-29, 1982
Shaded Areas Normal or Above
ALASKA
Barrow −1
Nome −1
Fairbanks 0
Anchorage −2
Juneau 3
Cold Bay +1
Kodiak
HAWAII
Lihue 0
Honolulu +1
Kahului 0
Hilo −2
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



Average Monthly Weather Outlook



OUTLOOK FOR SUMMER AVERAGE TEMPERATURES
JUNE THROUGH AUGUST 1982



The two categories Above and Below are to be compared to the long-term average or "normal" temperatures of the years 1941-70. Each category has a natural climatic frequency or probability of 50%. Each carries a 60% probability of occurring where forecast (shaded area) based on the verification scores of twenty-three years of experimental seasonal forecasting.

Weather Data for the Week Ending May 29, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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 Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	88	67	94	63	77	4	.4	- .4	.2	13.5	92	25.9	113	97	53	3	0	3	0
MOBILE	88	70	91	67	79	2	.8	- .3	.7	12.1	71	24.8	102	85	51	3	0	2	1
MONTGOMERY	87	70	92	68	79	4	.7	- .1	.6	15.5	111	30.0	146	84	53	3	0	2	1
AK ANCHORAGE	53	42	57	35	48	-2	.1	- .1	T	1.2	71	2.0	65	76	45	0	0	3	0
BARROW	28	20	39	14	24	-1	.1	0	T	1.0	167	1.7	155	98	84	0	7	3	0
FAIRBANKS	64	41	69	37	53	0	.1	- .1	.1	2.3	144	3.0	125	79	29	0	0	3	0
JUNEAU	51	41	61	39	46	-3	1.1	.4	.6	13.8	141	18.1	112	86	59	0	0	3	1
KODIAK	51	42	55	37	46	1	2.1	1.1	1.2	10.9	92	22.6	110	94	70	0	0	6	2
NOME	44	31	50	25	38	-1	.5	.3	.1	2.6	108	5.6	147	82	59	0	4	4	0
AZ PHOENIX	98	71	102	67	84	5	T	0	T	2.1	162	3.6	150	35	12	7	0	0	0
PRESCOTT	77	48	81	45	63	0	T	0	T	3.4	117	6.4	112	70	23	0	0	0	0
TUCSON	93	62	95	57	77	2	T	0	T	1.8	138	3.4	121	36	8	6	0	1	0
YUMA	94	68	101	64	81	0	0	0	0	.9	180	1.6	160	47	18	5	0	0	0
AR FORT SMITH	83	65	90	61	74	1	3.6	2.4	2.9	14.5	104	19.8	107	95	62	1	0	4	2
LITTLE ROCK	84	65	90	60	75	2	1.5	.4	1.1	14.5	95	24.7	111	97	67	1	0	5	1
CA BAKERSFIELD	95	69	107	62	82	10	0	0	0	2.4	120	4.3	116	48	19	4	0	0	0
EUREKA	60	46	74	42	53	-1	0	- .4	0	12.9	125	23.6	110	88	61	0	0	0	0
FRESNO	90	60	101	53	75	5	0	0	0	5.7	168	8.3	134	77	25	4	0	0	0
LOS ANGELES	67	60	71	57	63	0	T	0	T	5.3	156	8.6	115	85	61	0	0	0	0
RED BLUFF	91	62	104	52	77	7	0	- .2	0	4.8	84	11.0	89	52	15	3	0	0	0
SACRAMENTO	84	55	100	48	70	4	0	- .1	0	9.1	172	18.0	157	79	31	2	0	0	0
SAN DIEGO	70	63	73	61	66	2	T	0	T	4.9	204	9.0	161	82	63	0	0	1	0
SAN FRANCISCO	73	51	91	48	62	3	T	0	T	9.6	204	22.5	201	83	47	1	0	1	0
CO DENVER	70	48	84	39	59	-1	1.0	.5	.4	2.7	49	3.1	50	80	35	0	0	6	0
GRAND JUNCTION	81	54	87	50	68	3	.1	- .1	.1	1.9	83	2.4	71	54	17	0	0	1	0
PUEBLO	77	50	85	45	64	0	.5	.1	.3	1.8	49	2.7	66	87	33	0	0	3	0
CT BRIDGEPORT	66	52	81	46	59	-2	2.1	1.3	1.5	7.4	71	17.0	114	91	67	0	0	4	2
HARTFORD	69	50	85	43	59	-2	2.8	2.0	2.5	9.9	90	17.1	106	93	61	0	0	3	1
DC WASHINGTON	75	63	85	58	69	-1	1.7	.9	1.7	10.1	103	15.5	111	91	70	0	0	3	1
FL APALACHICOLA	86	70	90	68	78	2	T	- .7	T	11.8	108	21.1	127	93	67	1	0	0	0
DAYTONA BEACH	84	70	87	65	77	1	1.6	.8	1.3	14.3	174	18.8	152	97	72	0	0	4	1
JACKSONVILLE	89	69	95	66	79	3	2.3	1.4	1.7	10.3	107	14.8	97	98	61	3	0	4	2
KEY WEST	87	77	88	73	82	0	6.0	5.3	3.3	11.3	185	13.1	146	91	70	0	0	4	4
MIAMI	85	73	88	70	79	0	4.1	2.4	1.5	20.3	178	21.5	146	95	68	0	0	6	4
ORLANDO	89	71	92	69	80	2	1.6	.8	.7	13.7	154	17.0	130	97	58	4	0	6	1
TALLAHASSEE	90	70	94	68	80	4	2.1	1.1	1.3	11.6	83	20.7	99	98	56	4	0	3	2
TAMPA	87	72	89	70	79	1	2.5	1.7	1.3	7.6	93	11.5	91	100	65	0	0	4	2
WEST PALM BEACH	85	73	87	70	79	1	3.4	2.0	1.5	31.2	267	34.8	219	95	66	0	0	6	3
GA ATLANTA	85	66	92	63	76	4	.5	- .2	.5	12.7	88	24.1	111	91	54	2	0	3	0
AUGUSTA	86	64	91	62	75	1	.7	- .1	.3	8.8	75	16.3	93	100	55	1	0	4	0
MACON	89	69	94	67	79	3	.9	.1	.7	12.9	106	23.0	122	98	55	2	0	3	1
SAVANNAH	87	70	91	67	78	3	1.2	.1	.8	9.5	83	15.8	97	93	58	2	0	4	1
HI HILO	79	66	80	64	72	-2	1.1	- .9	.4	62.0	168	82.3	151	89	63	0	0	7	0
HONOLULU	87	70	88	67	78	1	T	- .2	T	5.0	88	20.3	174	71	44	0	0	0	0
KAHULUI	84	68	86	64	76	0	T	- .1	T	6.8	142	20.3	197	76	53	0	0	0	0
LIHUE	83	69	84	65	76	0	T	- .5	T	17.5	172	38.0	197	87	62	0	0	1	0
ID BOISE	71	43	84	34	57	-2	T	- .3	T	2.4	67	5.5	92	71	25	0	0	0	0
LEWISTON	69	46	86	39	58	-3	.3	- .1	.2	2.0	59	5.2	100	72	33	0	0	3	0
POCATELLO	69	39	82	29	54	-3	.1	- .2	.1	4.2	120	6.5	123	79	27	0	1	2	0
IL CHICAGO	69	52	77	49	60	-1	1.0	.2	.4	8.7	96	12.1	106	100	74	0	0	3	0
MOLINE	70	56	76	50	63	-1	2.4	1.5	1.1	11.3	115	13.7	120	95	71	0	0	3	2
PEORIA	73	59	80	55	66	1	1.1	.3	.8	13.2	121	17.0	129	96	69	0	0	3	1
QUINCY	71	59	76	57	65	-3	.9	- .1	.6	10.5	101	15.0	--	97	72	0	0	4	1
ROCKFORD	69	57	77	50	63	1	1.8	.9	1.0	11.0	107	12.9	105	95	71	0	0	3	2
SPRINGFIELD	77	60	83	55	68	2	1.5	.7	.9	9.7	97	16.1	131	97	64	0	0	3	1
IN EVANSVILLE	82	62	86	55	72	3	1.0	0	.4	11.2	87	22.5	122	91	51	0	0	5	0
FORT WAYNE	71	57	76	52	64	1	1.0	.1	.4	11.1	107	18.2	131	96	75	0	0	3	0
INDIANAPOLIS	76	59	80	55	68	2	1.9	1.0	1.1	12.4	110	19.6	127	86	57	0	0	3	2
SOUTH BEND	68	56	78	52	62	0	.7	- .1	.5	11.1	113	15.4	120	91	70	0	0	3	0
IA DES MOINES	70	58	76	55	64	0	.8	- .3	.5	14.2	156	17.4	164	88	65	0	0	3	0
SIOUX CITY	69	58	76	54	63	-1	1.9	.9	1.7	8.5	118	10.4	122	94	75	0	0	3	1
WATERLOO	68	58	75	51	63	0	.3	- .7	.1	12.4	133	13.7	133	95	74	0	0	3	0
KS CONCORDIA	72	57	79	51	64	-2	1.9	.9	1.8	11.7	148	12.9	147	97	69	0	0	4	1
DODGE CITY	75	55	81	51	65	-2	.5	- .3	.2	4.1	72	5.6	89	86	50	0	0	4	0
GOODLAND	71	52	83	46	62	0	1.8	1.1	.8	5.7	121	6.5	127	87	48	0	0	4	2
TOPEKA	75	58	81	50	66	-1	1.6	.6	.7	10.8	111	13.5	124	95	63	0	0	5	1
WICHITA	76	57	82	50	66	-3	.4	- .5	.2	10.0	125	12.5	139	88	62	0	0	4	0
KY BOWLING GREEN	82	63	88	57	72	2	.8	- .1	.3	12.2	92	20.2	92	100	57	0	0	4	0
LEXINGTON	81	63	86	59	72	4	.4	- .5	.2	8.2	65	15.7	84	93	58	0	0	3	0
LOUISVILLE	81	63	84	59	72	4	1.3	.3	.6	11.1	84	18.1	95	94	54	0	0	3	1
LA ALEXANDRIA	91	70	95	68	81	3	.1	- 1.2	.1	8.2	50	17.5	--	78	45	5	0	1	0
BATON ROUGE	91	72	95	69	82	5	.6	- .3	.4	11.2	76	21.0	93	93	53	4	0	2	0
LAKE CHARLES	86	71	89	67	79	1	.5	- .6	.5	12.2	93	16.7	82	100	64	0	0	1	1
NEW ORLEANS	91	71	94	65	81	4	.3	- .7	.2	9.5	68	20.1	92	93	57	5	0	3	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending May 29, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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 Feb. 28	PCT. NORMAL SINCE Feb. 28	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
SHREVEPORT	90	70	93	65	80	4	.3	- .7	.2	7.7	54	14.3	69	94	56	2	0	4	0
ME CARIBOU	75	42	84	29	59	5	T	- .7	T	6.3	84	11.7	106	72	26	0	1	1	0
PORTLAND	64	47	80	43	56	0	1.2	.5	.7	10.1	96	17.7	109	91	57	0	0	2	2
MD BALTIMORE	71	59	82	54	65	-2	1.0	.1	.8	8.5	80	15.9	105	96	74	0	0	4	1
SALISBURY	78	60	84	57	69	1	T	- .8	T	7.7	72	16.2	99	100	67	0	0	2	0
MA BOSTON	64	51	78	45	58	-4	1.5	.7	.7	8.3	75	15.4	89	87	63	0	0	3	1
CHATHAM	61	51	73	47	56	--	1.9	--	1.4	9.7	--	17.8	--	96	82	0	0	4	1
MI ALPENA	68	46	72	39	57	3	.3	- .3	.2	5.7	81	7.7	85	95	57	0	0	3	0
DETROIT	72	55	79	52	64	2	1.3	.5	1.0	7.8	86	12.2	103	96	60	0	0	3	1
FLINT	71	55	79	50	63	4	.5	- .2	.3	4.9	62	7.5	73	99	71	0	0	3	0
GRAND RAPIDS	70	53	81	45	62	1	1.3	.6	1.1	8.5	96	11.9	105	95	72	0	0	4	1
HOUGHTON LAKE	70	51	75	44	60	4	1.8	1.1	.9	8.0	119	10.4	118	100	61	0	0	3	2
LANSING	70	52	78	45	61	0	.5	- .3	.4	5.4	62	8.0	70	100	73	0	0	4	0
MARQUETTE	71	44	75	31	58	6	0	- .8	0	9.4	116	13.5	126	92	42	0	1	0	0
MUSKEGON	67	50	79	43	58	0	1.3	.7	1.1	7.9	95	12.9	114	97	75	0	0	6	1
SAULT STE. MARIE	74	45	78	35	60	7	T	- .7	T	8.6	126	13.5	141	94	44	0	0	0	0
MN ALEXANDRIA	70	53	74	46	62	4	.2	- .6	.2	7.0	108	9.4	132	93	50	0	0	2	0
DULUTH	70	45	74	36	58	5	T	- .9	T	8.3	109	10.9	124	79	42	0	0	0	0
INT'L FALLS	78	46	82	39	62	8	.1	- .7	.1	5.7	108	7.5	114	95	37	0	0	1	0
MINNEAPOLIS	73	55	79	43	64	3	.3	- .5	.3	7.9	123	11.1	148	89	57	0	0	2	0
ROCHESTER	67	54	76	48	60	1	1.4	.5	1.3	12.2	163	14.1	172	95	73	0	0	3	1
MS GREENWOOD	89	71	95	66	80	5	1.1	.2	.7	13.6	88	24.5	--	91	54	4	0	3	1
JACKSON	90	70	94	64	80	5	.1	- .8	.1	12.2	83	21.8	100	95	49	3	0	1	0
MERIDIAN	90	68	93	64	79	4	.3	- .5	.3	13.5	89	23.5	104	94	50	3	0	2	0
MO CAPE GIRARDEAU	83	63	90	56	73	4	1.2	.1	.6	9.6	77	23.0	128	97	55	1	0	4	1
COLUMBIA	75	59	80	55	67	0	1.5	.5	.6	9.8	92	14.1	109	99	69	0	0	5	1
KANSAS CITY	75	59	81	53	67	0	1.2	.1	.7	12.3	122	16.1	139	99	67	0	0	4	2
SAINT LOUIS	79	63	84	59	71	2	3.3	2.4	1.4	9.3	88	15.8	117	95	55	0	0	4	3
SPRINGFIELD	80	61	86	52	71	3	2.1	.9	.9	9.8	80	14.5	99	97	65	0	0	5	2
MT BILLINGS	61	43	75	36	52	-5	.9	.4	.5	6.3	129	7.2	126	85	44	0	0	4	1
GLASGOW	61	43	76	34	52	-5	1.9	1.5	1.6	4.6	200	5.8	215	85	51	0	0	5	1
GREAT FALLS	55	37	84	32	46	-10	2.7	2.0	.9	6.7	156	8.8	152	80	51	0	2	5	3
HAVRE	58	39	92	32	49	-9	1.7	1.2	.6	3.5	113	5.9	155	78	46	1	1	5	2
HELENA	59	41	86	33	50	-4	1.4	.9	.5	3.8	119	5.4	142	77	45	0	0	4	1
KALISPELL	61	38	80	32	50	-3	.5	0	.3	3.3	94	7.3	130	93	44	0	1	4	0
MILES CITY	63	44	78	36	54	-6	.3	- .3	.2	3.4	89	4.6	105	91	50	0	0	5	0
MISSOULA	62	42	84	38	52	-3	1.4	1.0	.8	4.8	150	8.2	174	90	50	0	0	3	1
NE GRAND ISLAND	68	54	76	48	61	-3	4.4	3.5	2.1	14.0	197	15.3	191	95	73	0	0	4	3
LINCOLN	71	58	77	49	64	-1	1.1	.1	.7	10.5	140	11.4	131	93	71	0	0	4	1
NORFOLK	69	56	75	48	63	-1	3.0	2.0	2.3	10.3	151	12.4	159	93	67	0	0	5	1
NORTH PLATTE	71	48	80	42	59	-2	2.0	1.2	.8	8.3	143	8.5	137	99	55	0	0	3	3
OMAHA	70	57	77	54	63	-1	2.2	1.2	1.6	13.4	163	15.4	166	92	76	0	0	4	1
SCOTTSBLUFF	72	46	84	40	59	-1	1.0	.4	.3	3.6	73	4.1	76	92	34	0	0	4	0
VALENTINE	73	48	81	41	60	0	1.2	.5	.6	6.7	146	7.3	133	86	44	0	0	4	2
NV ELY	73	34	81	23	54	1	T	- .2	T	4.8	166	6.0	162	70	22	0	3	1	0
LAS VEGAS	94	67	99	64	80	4	0	0	0	.6	67	1.8	113	27	10	5	0	0	0
RENO	79	40	89	31	60	3	T	- .1	T	1.6	84	3.2	84	68	16	0	1	0	0
WINNEMUCCA	76	41	88	25	59	2	T	- .2	T	1.8	75	2.4	59	49	14	0	1	0	0
NH CONCORD	70	46	85	42	58	-1	1.0	.3	.5	7.3	86	14.4	113	88	50	0	0	3	1
NJ ATLANTIC CITY	71	56	81	53	64	-1	.8	0	.3	7.6	68	13.8	81	98	72	0	0	5	0
NM ALBUQUERQUE	83	53	90	48	68	0	T	- .1	T	1.4	88	1.9	90	66	15	1	0	0	0
CLOVIS	81	57	92	54	69	0	1.5	1.0	.9	2.2	67	2.9	--	80	34	2	0	3	1
ROSWELL	86	55	95	51	71	0	.2	- .1	.1	.8	32	1.6	50	82	23	3	0	3	0
NY ALBANY	70	52	81	44	61	0	1.5	.7	.6	8.0	95	13.5	115	90	61	0	0	3	2
BINGHAMTON	67	52	76	45	59	1	1.9	1.0	.8	8.3	86	13.7	102	96	65	0	0	4	1
BUFFALO	73	56	81	50	65	6	.6	0	.6	8.3	91	16.5	122	96	60	0	0	3	1
NEW YORK	68	55	80	50	62	-3	1.6	.9	.5	8.4	77	15.5	99	97	71	0	0	5	2
ROCHESTER	72	55	79	46	63	3	.3	- .3	.3	5.1	65	10.2	86	94	69	0	0	2	0
SYRACUSE	69	52	76	46	61	1	.8	.1	.4	7.7	85	12.0	88	97	72	0	0	4	0
NC ASHEVILLE	80	62	85	61	71	5	2.3	1.5	1.0	8.8	77	21.4	124	100	66	0	0	6	1
CHARLOTTE	83	66	89	64	75	3	1.3	.6	.5	9.9	92	19.1	113	99	60	0	0	6	0
GREENSBORO	81	65	89	64	73	3	4.4	3.7	1.5	11.6	121	19.0	124	99	70	0	0	6	4
HATTERAS	82	68	87	65	75	5	.9	.1	.5	12.7	128	25.7	149	100	69	0	0	2	1
NEW BERN	87	70	95	66	79	6	.3	- .8	.2	6.5	56	17.9	98	86	56	1	0	4	0
RALEIGH	85	66	92	65	76	6	4.3	3.6	2.2	11.9	123	20.2	131	92	62	1	0	7	2
WILMINGTON	83	67	92	62	75	2	1.7	.7	1.5	7.6	69	19.9	121	94	65	1	0	5	1
ND BISMARCK	70	48	73	40	59	2	1.9	1.3	1.8	5.4	132	6.7	143	92	49	0	0	2	1
FARGO	73	53	77	49	63	5	.1	- .5	.1	3.4	65	5.3	95	85	45	0	0	2	0
GRAND FORKS	76	53	81	48	64	7	.1	- .5	.1	4.0	83	5.9	111	94	42	0	0	3	0
WILLISTON	71	46	84	39	58	1	.8	.3	.7	4.2	120	5.9	131	90	53	0	0	2	1
OH AKRON-CANTON	77	59	83	53	68	6	.9	.1	.7	8.2	81	14.6	106	88	55	0	0	2	1
CINCINNATI	79	62	82	59	71	4	1.5	.6	1.1	11.1	96	19.3	114	87	53	0	0	3	1
CLEVELAND	76	56	86	49	66	5	.9	.1	.7	7.8	79	13.3	97	92	58	0	0	2	1
COLUMBUS	77	58	82	54	68	3	2.3	1.3	2.1	11.0	96	17.2	112	97	60	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending May 29, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	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 Feb. 28	PCT. NORMAL SINCE Feb. 28	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
DAYTON	75	59	82	56	67	2	2.5	1.7	1.0	12.4	120	19.9	137	93	63	0	0	3	3
TOLEDO	71	53	78	46	62	0	1.1	.3	.9	7.7	90	12.3	107	99	68	0	0	2	1
YOUNGSTOWN	74	57	81	50	66	5	2.1	1.2	1.1	8.1	76	14.0	94	96	61	0	0	2	2
OK OKLAHOMA CITY	80	61	88	56	70	-1	4.7	3.5	1.5	15.6	151	20.4	171	95	61	0	0	5	5
TULSA	85	69	90	63	77	6	1.4	.2	.7	10.9	94	15.2	111	83	54	1	0	5	2
OR ASTORIA	64	46	74	43	55	1	T	- .6	T	14.5	101	39.0	131	86	57	0	0	0	0
BURNS	64	40	85	29	52	-2	T	- .2	T	2.0	71	5.0	91	--	--	0	4	2	0
MEDFORD	80	43	94	37	62	2	0	- .3	0	2.9	69	8.2	87	79	24	1	0	0	0
PENDLETON	71	47	84	42	59	-2	T	- .3	T	2.7	79	4.9	88	74	24	0	0	0	0
PORTLAND	74	48	85	44	61	2	T	- .5	T	6.7	82	18.7	111	81	30	0	0	0	0
SALEM	75	43	89	36	59	2	0	- .5	0	7.6	84	19.5	100	80	30	0	0	0	0
PA ALLENTOWN	69	53	79	48	61	-2	2.7	1.8	2.2	10.0	89	16.2	102	99	68	0	0	3	1
ERIE	73	55	84	48	64	7	1.3	.5	1.1	7.9	84	13.3	102	89	62	0	0	4	1
HARRISBURG	72	56	81	48	64	-2	3.7	2.8	2.6	11.1	107	16.5	115	100	76	0	0	5	2
PHILADELPHIA	70	56	81	51	63	-3	2.9	2.1	2.3	12.5	124	20.1	142	97	65	0	0	4	1
PITTSBURGH	78	59	83	52	68	5	2.0	1.2	1.4	8.5	83	15.2	106	97	61	0	0	3	2
SCRANTON	69	53	78	48	61	-1	1.5	.7	1.0	9.2	103	14.5	122	94	64	0	0	4	1
RI PROVIDENCE	68	51	85	45	59	-1	1.0	.2	.5	8.6	78	18.1	109	96	63	0	0	3	1
SC CHARLESTON	85	69	90	66	77	2	1.6	.6	1.2	11.4	103	15.9	99	98	63	1	0	4	1
COLUMBIA	87	66	94	64	77	2	.3	- .5	.1	10.3	88	18.3	104	100	54	2	0	5	0
FLORENCE	88	67	93	65	78	4	2.4	1.7	1.0	8.2	80	17.4	114	93	51	2	0	4	2
GREENVILLE	83	65	89	64	74	2	4.1	3.4	1.1	12.8	99	24.1	121	98	59	0	0	7	5
SD ABERDEEN	68	53	74	47	61	2	--	--	--	--	--	--	--	93	65	0	0	0	0
HURON	68	55	73	50	61	1	1.0	.3	.6	6.6	120	8.1	131	90	66	0	0	5	1
RAPID CITY	69	44	77	40	57	-2	.9	.2	.7	8.8	149	9.5	148	93	48	0	0	3	1
SIOUX FALLS	68	54	75	47	61	0	1.5	.6	.7	6.7	96	7.6	94	94	73	0	0	4	2
TN CHATTANOOGA	86	64	92	61	75	4	.3	- .4	.3	10.6	79	24.8	109	96	51	2	0	2	0
KNOXVILLE	82	65	87	62	74	3	3.8	3.1	2.2	15.1	127	26.1	131	100	64	0	0	4	3
MEMPHIS	85	70	90	65	78	4	1.5	.6	.8	16.3	109	27.1	118	92	62	1	0	4	2
NASHVILLE	85	65	89	62	75	4	.4	- .5	.2	11.0	86	22.3	108	98	59	0	0	4	0
TX ABILENE	85	65	96	59	75	0	2.1	1.3	1.2	7.8	107	10.0	114	90	47	2	0	5	1
AMARILLO	79	51	87	50	65	-4	.8	0	.3	2.7	60	3.4	65	98	43	0	0	4	0
AUSTIN	88	72	93	67	80	3	1.0	.1	1.0	11.7	127	12.8	98	90	55	2	0	2	1
BEAUMONT	88	73	90	71	81	4	.3	- .9	.2	20.0	165	25.6	133	91	59	2	0	2	0
BROWNSVILLE	88	77	91	71	82	2	3.0	2.3	2.4	13.0	310	13.7	204	87	64	3	0	3	2
CORPUS CHRISTI	87	73	90	70	80	1	2.4	1.7	1.9	5.6	90	13.8	148	100	72	1	0	2	2
DEL RIO	89	70	97	67	80	-1	.2	- .3	.2	2.3	48	4.8	77	85	47	3	0	2	0
EL PASO	92	57	97	53	74	-1	T	- .1	T	.1	10	1.0	59	55	13	5	0	1	0
FORT WORTH	86	68	94	65	77	2	4.0	3.1	2.2	18.0	161	22.2	156	94	55	1	0	6	2
GALVESTON	82	76	85	74	79	1	.1	- .7	.1	6.7	81	12.3	96	95	78	0	0	1	0
HOUSTON	88	72	91	69	80	3	.9	- .3	.9	10.8	97	14.0	81	90	56	5	0	2	1
LUBBOCK	83	55	91	48	69	-2	2.3	1.6	1.3	7.5	150	7.9	136	93	43	2	0	4	2
MIDLAND	88	58	95	54	73	-2	1.5	1.0	1.1	4.6	135	5.2	121	94	35	3	0	3	1
SAN ANGELO	85	61	94	56	73	-4	1.2	.6	.5	5.4	108	8.0	123	99	50	1	0	4	0
SAN ANTONIO	85	70	89	62	78	0	.6	- .1	.3	8.3	120	10.3	104	98	61	0	0	3	0
VICTORIA	87	72	91	68	80	1	3.1	2.2	3.1	10.2	123	16.0	137	94	66	4	0	2	1
WACO	90	72	94	65	81	4	.9	- .1	.9	11.9	109	15.1	107	91	52	4	0	2	1
WICHITA FALLS	88	65	95	62	76	1	1.9	.8	1.0	18.8	207	21.4	206	94	50	3	0	5	1
UT BLANDING	77	46	85	42	61	1	0	- .1	0	3.1	124	4.6	110	71	24	0	0	0	0
CEDAR CITY	78	46	83	43	62	3	0	- .1	0	3.1	115	6.7	172	56	17	0	0	0	0
SALT LAKE CITY	76	45	89	36	61	0	.4	.1	.3	5.7	112	7.5	106	73	20	0	0	2	0
VT BURLINGTON	70	51	82	45	61	2	.1	- .7	T	6.5	86	11.1	107	91	48	0	0	3	0
VA NORFOLK	78	65	87	62	72	2	1.8	1.0	.8	7.7	84	16.8	113	94	69	0	0	5	1
RICHMOND	78	66	89	63	72	3	1.1	.3	.4	8.5	89	15.7	108	99	76	0	0	6	0
ROANOKE	78	64	82	63	71	4	2.4	1.6	1.1	9.0	94	17.3	119	97	71	0	0	5	1
WA COLVILLE	71	42	62	39	57	0	.4	0	.3	4.2	117	8.3	122	78	50	0	0	0	2
QUILLAYUTE	66	40	73	33	53	0	0	- .9	0	21.9	91	60.3	128	94	41	0	0	0	0
SEATTLE-TACOMA	67	48	75	46	58	1	.1	- .3	.1	6.9	86	19.5	115	76	39	0	0	2	0
SPOKANE	69	42	83	37	56	-1	T	- .3	T	3.9	98	7.2	94	76	27	0	0	0	0
YAKIMA	72	46	84	40	59	-1	.2	.1	.2	1.3	87	3.1	89	78	30	0	0	1	0
WV BECKLEY	76	59	79	54	68	7	3.5	2.5	1.3	10.3	91	16.5	96	99	63	0	0	6	3
CHARLESTON	83	62	87	58	73	6	2.7	2.0	2.1	11.0	103	18.0	111	97	57	0	0	5	2
HUNTINGTON	81	61	85	57	71	4	3.0	2.1	1.0	11.2	100	17.9	110	99	60	0	0	4	3
PARKERSBURG	82	65	85	59	73	8	3.1	2.0	1.6	12.5	109	14.8	85	89	50	0	0	5	3
WI GREEN BAY	68	53	73	44	60	3	1.2	.5	1.2	7.8	111	8.9	103	98	65	0	0	1	1
LA CROSSE	68	55	75	48	61	-1	.6	- .3	.6	7.1	88	8.6	92	100	76	0	0	2	1
MADISON	64	50	71	43	57	-2	.8	0	.4	9.8	127	11.3	123	99	75	0	0	3	0
MILWAUKEE	61	46	72	43	54	-4	.6	- .1	.3	10.2	131	13.7	138	96	77	0	0	4	0
WAUSAU	72	53	75	45	63	5	T	- .9	T	8.8	116	10.7	114	93	52	0	0	1	0
WY CASPER	69	40	82	33	54	-1	.2	- .2	.1	3.9	91	4.7	96	82	24	0	0	3	0
CHEYENNE	66	41	80	36	54	-1	1.5	.9	1.4	3.8	79	4.5	83	88	35	0	0	3	1
LANDER	70	42	83	34	56	1	0	- .6	0	2.9	48	3.5	51	66	19	0	0	0	0
SHERIDAN	65	38	79	26	51	-4	.1	- .6	.1	3.2	59	4.5	70	79	38	0	1	2	0
PR SAN JUAN	87	75	89	73	81	1	1.5	- .1	.6	13.0	112	21.5	127	96	68	0	0	4	2

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

National Agricultural Summary

May 24-30

Highlights: Persistant rainfall curtailed fieldwork in most areas of the Nation, especially on the Great Plains where planting progress fell further behind normal. Farmers in the West North Central region only had about 1 day suitable for fieldwork while, in other regions, 2 to 5 days were available. Continued rainfall resulted in adequate to surplus soil moisture supplies in nearly all regions. Corn planting advanced slowly to 82% completion, 8 points behind normal. Soybean planting reached the 50% mark; 8 points behind schedule. Thirty eight percent of the sorghum was planted, lagging the average of 55%. Cotton was 74% planted, 14 points behind a year earlier. Rice planting advanced to 93% completion compared to 97% last year. Spring wheat was 87% planted, 6 points behind average; plants had emerged on 68% of the acreage. Winter wheat was in fair to good condition; 74 percent was headed. Pastures and livestock were in fair to good condition, although cool, wet weather in Montana stressed herds. Vegetable harvests and planting moved northward. Peach picking moved northward to South Carolina.

SMALL GRAINS: Winter wheat was in fair to good condition, although heavy rains caused some lodging and increased disease. In the 15 major producing States, 74% of the acreage was headed, behind last year's 81%. Heading was underway in all States except Montana. Harvesting was active in extreme southern areas, ranging up to 23% finished in Georgia.

Spring wheat seeding in the 5 major producing States advanced to 87% completed, lagging last year's 98% and the average of 93%. Planting was finished in Idaho and South Dakota. Progress fell 15 percentage points behind normal in Montana due to adverse weather. The crop had emerged on 68% of the total intended acreage. Stands were in fair to good condition. Ample moisture supplies should promote good growth of the crop.

CORN: Corn planting in the 17 major producing States crept forward to 82% completion, behind last year's 85% and the 90% average. Rain curtailed planting in many areas, especially on the Great Plains. Producers in Iowa, Nebraska, and South Dakota fell further behind schedule due to the adverse weather. Planting was 49 percentage points behind average in Nebraska, 25 in Iowa, and 27 in South Dakota. Producers in Georgia, Indiana, and Ohio finished planting the crop while those in Illinois, Kentucky, Michigan, and North Carolina were nearing completion. Emerged plants were in fair to good condition. Early planted fields across the South began silking.

SOYBEANS: Soybean planting in the 18 major producing States advanced slowly to 50% finished, ahead of 1981's 44% but behind the average of 58%. Wet weather sidelined farmers in Iowa and Nebraska. Planting in Iowa fell 66 percentage points behind average, and in Nebraska, planting was 57 percentage points behind average. On the other hand, planting in Ohio neared completion, 39 percentage points ahead of average. Emerged plants were in fair to good condition.

SORGHUM: Sorghum planting was 38% finished in the 7 major producing States, lagging last year's 53% and the 55% average. Adverse weather also delayed sorghum planting; progress fell 54 percentage points behind average in Nebraska, 30 points behind in Oklahoma and South Dakota, and 20 points behind in Kansas. Missouri was the only State ahead of schedule in planting the crop.

COTTON: In the 14 major producing States, 74% of the cotton acreage was planted, behind last year's 88%. Planting in Texas was only 58% completed, lagging the average of 74%. Producers in California, Missouri, North Carolina, and South Carolina were finished planting, and farmers in Alabama, Arizona, Arkansas, Louisiana, Mississippi, and Tennessee neared completion. Early-planted fields in southern areas began squaring. Plants were in fair to good condition. Heavy rains washed out some fields in Texas. These fields will need to be replanted.

OTHER CROPS: Rice planting in the 5 major producing States was 93% finished, compared with 97% a year earlier. Seeding was virtually complete in all States except California, where planting reached the 78% mark. Rice had emerged on 84% of the acreage, slightly behind the average of 91% for this date. The crop continued in fair to good condition.

Peanut planting neared completion in the Southeast. Early-planted fields began blooming. Recent rainfall should prove beneficial for germination of late-planted fields and growth of plants.

Tobacco transplanting was in full swing as weather permitted. Dry, sunny weather is needed for setting to make normal progress.

Hay harvests moved northward. Rains should improve the growth of hays but caused localized damage to cut hay.

FRUITS AND NUTS: Harvesting of early variety peaches advanced northward into South Carolina. Picking in Georgia was 16% completed.

Florida's citrus orchards benefited from rainfall during the week. Many growers discontinued irrigation. The showers did, however, slow the Valencia orange harvest. The grapefruit harvest continued, but supplies were dwindling. New crop fruit made good progress. Growers fertilized, pruned, hedged, and topped trees.

Texas pecan trees continued to set nutlets. Producers sprayed trees for casebearers where weather conditions permitted.

California producers harvested apricots, early nectarines, and Freestone peaches. The Bing cherry harvest was past the peak. Perlett table grapes were moving from desert areas. Growers irrigated almonds, pistachios, and walnuts.

VEGETABLES: Producers harvested early vegetables and planted later-season crops in northern areas. Florida's vegetable shipments decreased 16% from the previous week. Only eggplant, okra, and parsley registered increases. The potato harvest continued very active in the Hastings area.

Cool, wet weather in Texas delayed fieldwork and damaged some vegetable stands. Warmer, clear weather is needed for good plant growth.

California growers continued to harvest a wide variety of vegetables. Planting was also active in many areas of the State.

PASTURES AND LIVESTOCK: Pastures and ranges were in fair to good condition. Ample soil moisture should spur good growth in most areas. Cool, wet weather was hard on livestock in Montana. Herds in other areas were in fair to good condition.

CROP PROGRESS

FOR WEEK ENDING MAY 30

RICE % PLANTED

	1982	1981	AVG.
ARK	94	96	92
CALIF	78	94	NA
LA	98	98	98
MISS	98	99	97
TEX	99	98	99
5 STATES	93	97	NA
EXCL. STATES WITH NA	96	97	95

RICE % EMERGED

	1982	1981	AVG.
ARK	80	89	89
CALIF	30	63	NA
LA	95	95	96
MISS	82	96	89
TEX	93	95	NA
5 STATES	77	87	NA
EXCL. STATES WITH NA	84	91	91

THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP.
NA - NOT AVAILABLE

CORN % PLANTED

	1982	1981	AVG.
COLO	92	83	87
GA	100	100	99
ILL	99	85	89
IND	100	40	90
IOWA	71	98	96
KANS	80	80	90
KY	95	80	80
MICH	95	85	89
MINN	82	97	93
MO	86	79	76
NEBR	45	93	94
N C	99	100	99
OHIO	100	55	80
PA	85	82	78
S DAK	55	89	82
VA	93	93	90
WIS	80	99	83
17 STATES	82	85	90

THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP.

SORGHUM % PLANTED

	1982	1981	AVG.
COLO	35	44	34
KANS	15	15	30
MO	57	40	50
NEBR	4	55	60
OKLA	40	60	45
S DAK	16	42	38
TEX	74	89	82
7 STATES	38	53	55

THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.

COTTON % PLANTED

	1982	1981	AVG.
ALA	98	100	100
ARIZ	97	99	99
ARK	98	100	96
CALIF	100	100	NA
GA	92	100	97
LA	99	94	91
MISS	99	99	98
MO	100	100	95
N MEX	85	90	96
N C	100	100	99
OKLA	35	45	40
S C	100	100	100
TENN	99	99	98
TEX	58	82	74
14 STATES	74	88	NA
EXCL. STATES WITH NA	71	86	81

THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP.

WINTER WHEAT % HEADED

	1982	1981	AVG.
CALIF	98	100	NA
COLO	51	34	29
IDAHO	3	5	8
ILL	90	93	85
IND	80	80	80
KANS	90	98	85
MO	88	98	86
MONT	0	2	7
NEBR	55	85	50
OHIO	70	45	48
OKLA	100	100	100
OREG	62	86	NA
S DAK	10	60	29
TEX	96	99	NA
WASH	15	48	30
15 STATES	74	81	NA
EXCL. STATES WITH NA	70	77	67

THESE 15 STATES PRODUCED 88% OF THE 1981 WINTER WHEAT CROP.
NA - NOT AVAILABLE

SPRING WHEAT % PLANTED

	1982	1981	AVG.
IDAHO	100	100	99
MINN	93	99	95
MONT	80	100	95
N D	81	97	89
S DAK	100	100	100
5 STATES	87	98	93

SPRING WHEAT % EMERGED

	1982	1981	AVG.
IDAHO	100	96	87
MINN	82	99	86
MONT	55	85	75
N D	54	87	69
S DAK	94	100	100
5 STATES	68	91	79

THESE 5 STATES PRODUCED 92% OF THE 1981 SPRING WHEAT CROP.

SOYBEANS % PLANTED

	1982	1981	AVG.
ALA	49	54	55
ARK	31	26	30
GA	47	49	54
ILL	80	33	63
IND	85	10	60
IOWA	16	83	82
KANS	10	20	30
KY	46	18	33
LA	54	59	57
MICH	70	40	60
MINN	47	84	80
MISS	48	44	44
MO	43	28	51
NEBR	3	60	60
N C	50	53	55
OHIO	96	15	57
S C	46	48	54
TENN	45	32	39
18 STATES	50	44	58

THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP.

National Weather Summary (cont. from front page)

southward into South Dakota. Severe thunderstorms raged early in the day in Nebraska and Kansas, and later, widespread thunderstorms developed through Illinois and the lower Great Lakes and through the Ohio Valley to the mid-Atlantic States. Showers and thunderstorms were over eastern New England. Severe weather in southern Illinois caused death and injuries as well as extensive property damage. Tornadoes, hail, and high wind extended through the Ohio Valley.

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 SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged above normal. Rainfall varied.

Soil moisture mostly adequate. Fieldwork: 4.8 days. Corn silked 15%. Cotton planted 98%. Peanuts planted 100%. Sorghum planted 48%, 52% 1981, 47% average. Soybeans planted 49%, 54% 1981, 55% average. Wheat turning color 91%. Wheat harvested 10%. Conditions: Corn, cotton, peanuts, wheat, livestock, pastures good. Activities: Planting peanuts, sorghum, soybeans, and cotton; pest control on fruit, vegetables, and crops; fertilizer spreading; seedbed preparation; harvesting hay, wheat, peaches, and early vegetables.

ALASKA: Tanana Valley: Fair with showers. Temperatures near normal with light precipitation near a tenth in. Matanuska Valley: Showers. Highs near normal with lows cooler than normal. Precipitation light near a tenth in. Kenai Peninsula: Fair weather with some light rain. Temperatures near normal. Precipitation light. Kodiak Island: Wet at the start but warmer and drier by weekend. Temperatures warmer than normal. Precipitation near an inch and a half.

Farmers took advantage of improved soil and weather conditions which allowed for up to seven days in the field. Barley seeding near 80% complete compared to 95% last year. Cooler than normal soil temperatures kept small grain emergence at a minimum. Potato planting nearing completion. Progress of fields still two weeks behind normal. Soil moisture supplies mostly adequate. Strong winds in some areas dried newly worked fields and caused some seed blowout.

ARIZONA: Fair weather prevailed except for isolated rain showers, thundershowers eastern

two-thirds middle week. Average temperatures 4° below normal to 5° above.

Cotton planting 97% complete, behind last year, average, both 99%. Squaring of early planted cotton increasing. Barley harvesting past peak. Wheat combining in full swing except southeastern area. Corn development satisfactory. Sorghum planting continued. Flowering, seed setting of safflower increasing. Sugarbeet digging winding down Yuma area, gaining momentum central area. Alfalfa baling seasonally active. Lettuce cutting in progress southeastern area. Dry onion bagging in full swing. Harvest of greens, carrots, cabbage, green onions slow. Table stock potato digging 75% complete, processing potatoes at mid point. Shipping of cantaloups, watermelons began Yuma area. Peach harvest finished, nectarines past peak. Valencia orange harvest slow. Lemons, grapefruit picked on demand. Ranges mostly fair to good condition. Dry conditions exist southwestern, extreme southern Desert areas. High winds detrimental range growth. Livestock fair to good condition. Water supplies mostly adequate. Warmer weather causing stock water to decline.

ARKANSAS: Warm, rainy week. Highest temperature 97°, lowest 57°. All departures from normal ranged from +1 to +6°. Most rainfall 5.42 in., least 0.37 in.

Three days available for fieldwork. Soil moisture adequate to surplus. Crop growth moderate. Soybeans planted 31%, 26% 1981, 30% average; emerged 23%, 21% 1981. Rice planted 94%, 96% 1981, 92% average; emerged 80%, 89% 1981, 89% average. Cotton planted 98%, 100% 1981, 96% average; emergence 96%, 89% 1981, 89% average. Corn planted 93%, 100% 1981, 85% average. Sorghum planted 89%, 90% 1981, 81% average. Wheat good condition, harvest ten days away. Pastures supplying above average amounts of forage.

CALIFORNIA: Very hot with no rain. San Joaquin Valley was above normal and the Sacramento Valley 6° above. In the State, only the Imperial Valley was slightly below normal. Hottest weather was early in the week with many stations above 100° but it cooled to near normal late in the week. Cooler weather continuing, but still almost no chance of rain.

Cotton progressing well thinning and cultivation. Rice flooding, seeding continued 79% planted, 94 last year; 30% emerged, 63 last year. Winter wheat, turning and in dough stages; 98% wheat headed, 100 last year. Harvest of wheat minimal in San Joaquin Valley. Barley and oat harvest getting underway. Field corn, sugarbeet, and dry bean planting continues. Packing of apricots, early nectarines, Freestone peaches underway. Bing cherry harvest peaked. Perlett table grapes moving from Desert. Good Kiwi and pomegranate pollination. Lemon quality below normal. Irrigating almonds, pistachios, walnuts. Artichoke harvest light. Asparagus production heavy diversion to processing. Broccoli, cauliflower harvest fairly heavy Central Coast. Planting brussels sprouts Central Coast. Bushberry harvest underway. Cantaloup harvest active Desert. Carrot harvest continues Desert, Kern District, Salinas Valley. Sweet corn harvest full swing Desert. Lettuce fairly heavy supply Central Coast. Onion grading slowing Desert, increasing San Joaquin Valley. Spring potato harvest slow Kern District. Strawberry harvest near peak, diversion to processors increasing. Market tomato harvest active Desert, San Diego. Processing tomatoes maturing Desert. Livestock continue move market, mountain pastures. Grass generally dry mature lower elevations. Water supplies adequate most areas. Soil moisture good most localities.

COLORADO: Showers and thunderstorms across the eastern plains, some of which were severe, left about 0.50 in. of rain at most localities and scattered hail in some isolated areas. Saturday reports included three tornadoes with severe crop damage in Yuma County and flash flooding at Wray near the Kansas border where 4.00 in. of rain fell in less than six hours. Precipitation west of the Continental Divide was spotty and light. Temperatures were 3 to 5° below normal in east and 1 to 3° below normal in most other locations.

Scattered showers improved prospects for most crops. Scattered hail storms some areas of east late in week, but damage unassessed at present time. Seeding of spring grains virtually complete and barley 91% emerged. Sugarbeet thinning activities beginning and fall potatoes 89% planted. Corn doing well with 92% planted and 67% emerged. Sorghum fair due to limited early season moisture in southeast with 35% seeded. Winter wheat crop in fair to good condition with 87% jointed and 51% headed. Subsoil and topsoil moisture supplies continued to improve and five days were suitable for fieldwork. Livestock in good condition.

FLORIDA: A warm, humid week as tropical air in combination with a series of minor upper air disturbances produced widespread daily shower, thunderstorm activity. Rainfall averaged 1.00 to 3.00 in. Panhandle, north; 3.00 to 5.00 in. Peninsula, except only around 1.00 in. southwest coast. Temperatures averaged near normal to 2° above normal.

Soil moisture adequate west, central, south but remains short, several northern areas. Corn, peanut, tobacco, sugarcane condition mostly fair to good. Tobacco harvest slow. Wheat, hay harvest delayed by rain. Soybean planting continues active. Recent rains helpful, early plantings good growth. Showers over most of State throughout the week and continuing at weekend improved grazing conditions considerably. Pastures rated good to excellent, parts of eastern Panhandle; a few central areas, most of Lower Peninsula, but only poor to fair elsewhere. Cattle condition varies widely, from fair to good, depending largely on amount of forage available from pastures. Rains in citrus areas during most of week very beneficial. Many growers temporarily discontinued irrigation. Harvest of Valencia oranges slowed somewhat by frequent showers. Light harvest of grapefruit continued but supplies dwindling. New crop fruit making good growth, progress. Caretakers actively working in groves, weather permitting, to control cover crop growth, fertilize, prune, hedge and top trees. Hot days, warm nights prevailed in vegetable areas. Skies cloudy to partly cloudy with numerous showers, thunderstorms. Rainfall generally moderate with locally heavier amounts. Total shipments decreased 16% from previous week. Volume increased for eggplant, okra, parsley. Volume about steady for sweet corn, peppers, potatoes. Volume declined, all other vegetables. Potato harvest continues very active Hastings area; potatoes remain the volume leader. Watermelon volume decreased as harvest nears completion lower half of State. Increased cuttings expected this week as northern harvest becomes more active.

GEORGIA: Quite warm; scattered showers daily. Temperatures 4° above normal, with little day to day change. Rainfall amounts quite variable, less than 0.25 in. to near 4.00 in. Average amounts near 1.00 in. Continued warm and showery 29th and 30th. Additional rainfall averaged around 0.50 in. south but rarely 0.25 in. elsewhere.

Soil moisture 2% very short, 61% adequate, 23% surplus. Four days suitable for fieldwork. Planting, haying, harvesting and spraying active. Corn 33% fair, 64% good condition, 23% silked, 20% last year. Cotton: 92% planted, 7% squaring, 13% last year and average; condition 32% fair,

65% good and 3% excellent. Peanuts: 98% planted, 9% blooming, 11% last year and 12% average; condition 23% fair, 70% good, and 5% excellent. Applying herbicides, weeds a problem in peanuts and soybeans. Soybeans 47% planted, 49% last year and 54% average; condition 26% fair, 71% good, 3% excellent. Grain sorghum 53% planted, 48% last year and 44% average. Hay crop condition 4% poor, 19% fair, 73% good, 4% excellent. Wheat 23% harvested, 29% last year and 21% average; condition 10% poor, 54% fair, 35% good. Other small grain condition 2% poor, 60% fair and 37% good. Watermelons 99% planted; condition 42% fair and 56% good. Peaches 16% harvested, 7% last year and 8% average; condition 19% very poor, 10% poor, 31% fair and 38% good. Apple condition 16% very poor, 14% poor, 46% fair, 19% good and 5% excellent. Spraying fruit and pecan trees. Pastures 23% fair, 70% good and 5% excellent. Cattle, hogs good.

HAWAII: Weather favorable. Showers light. Periods of sunshine improved crop condition most major crop areas. Irrigation continues to be frequent to maintain fair to good crop progress. Spraying regular to control insects and diseases. Vegetables: Supplies adequate. Some heavy. Bananas: Supplies light. Papayas: Supplies increasing. However periodic rains in some areas making disease control difficult. Pineapples: Harvest activity up. Sugar: Harvesting and planting very active. Pastures: Generally fair to good.

IDAHO: Temperatures were near normal in most locations but ranged to 3° below normal in north. Highest temperature recorded last week was 89° in Grandview while the low was 25° at McCall. Most areas received precipitation. The north was generally about 0.25 in. below normal while the southeast was from 0.25 to 0.33 in. above normal. The most precipitation fell at Grangeville where they recorded 1.11 in.

Once again cool temperatures ranged over the State causing slow crop growth. Potatoes 94% planted, 66% in 1981 and 84% on the average. Potatoes emerged 24%, 34% last year and 34% on the average. Winter wheat 20% boot or higher, 45% in 1981. Spring wheat 3% boot or higher, 16% in 1981. Barley 3% boot, 8% in 1981. Sugarbeet thinning 30% complete, 50% last year. First cutting alfalfa 3% complete.

ILLINOIS: Temperatures 0 to 4° above normal. Precipitation moderate; 0.50 to 2.00 in.

Winter wheat 10% excellent, 65% good, 24% fair, and 1% poor; 90% of the crop headed, 45% filled, 5% turning yellow. Corn planting 99%, 85% 1981, 89% average. Corn 6% excellent, 78% good, and 16% fair. Soybeans planting 80%, 33% 1981, 63% average. Alfalfa 25% of the first crop was cut, red clover 30% of the crop was cut. Oats 15% of the crop was headed. Pastures 10% excellent, 79% good, 10% fair and 1% poor. Soil moisture 2% short, 63% adequate, 35% surplus.

INDIANA: Stormy week. High humidity and cloudy. Light damage from hail and tornadoes. Temperatures from 48 to 88° and near normal. Division rainfall from 1.10 in. in north central and south central to 2.40 in. in west central.

Fieldwork averaged 2 days. Topsoil moisture adequate to surplus. Subsoil moisture mostly adequate to surplus. Corn 100% planted, 1981 40%, average 90%. Corn 95% emerged, 1981 40%, average 75%. Corn 7 in. high, 1981 2 in., average 5 in. Soybeans 85% planted, 1981 10%, average 60%. Soybeans 70% emerged, 1981 15%, average 40%. Wheat mostly fair to good condition. Wheat 80% headed, 1981 80%, average 80%. Wheat 15% in milk, 1981 20%. Oats 11 in. high, 1981 13 in. Alfalfa hay 20% cut first time, 1981 15%, average 50%. Clover hay 20% cut, average 20%. Tobacco plants 20% set, average 25%. Pastures fair to mostly good.

IOWA: Temperatures near normal and precipitation above normal south and west but near normal elsewhere.

Topsoil moisture: 91% surplus, 9% adequate. Subsoil moisture: 36% surplus, 64% adequate. Corn acreage planted: 71% complete, last year 98%, normal 96%. Corn acreage emerged: 65%, last year 85%, normal 81%. Soybean acreage planted: 16% complete, last year 83%, normal 82%. Soybean acreage emerged: 12%, last year 35%, normal 44%. Fieldwork: 0.3 days suitable. Crop conditions: corn-fair to good; pasture, wheat, oats and hay mostly good. Livestock in good condition.

KANSAS: Heavy rains, local flooding east and north. Precipitation averaged 1.30 in. south central, 0.60 in. southwest and west central, 1.80 in. to 2.60 in. elsewhere. Temperatures averaged 62° northwest to 72° southeast, 2° below normal north central to 3° above normal southeast.

Wheat 90% headed, 98% last year, 85% average; 5% turning, 20% last year, 5% average. Corn 80% planted, 80% last year, 90% average. Sorghum 15% planted, 15% last year, 30% average. Soybeans 10% planted, 20% last year, 30% average. First cut alfalfa hay 25% complete, 65% last year, 50% average. Some cut hay spoiling southeast as rains delay baling. Pasture and range good to excellent. Surface moisture adequate to surplus; subsoil moisture short to adequate west central, southwest, adequate to surplus elsewhere. Cattle on native grass. Fieldwork: 1 day suitable.

KENTUCKY: Very warm, humid weather with scattered thunderstorms. High temperatures were mainly in 80's with nighttime lows in 60's. This resulted in mean temperatures ranging from low to mid 70's and was about 4 to 5° above normal. Precipitation averaged 1.00 to 2.00 in. Isolated reports of 3.00 to 4.00 in. were received.

Soil moisture 22% surplus, 61% adequate, 17% short. Nearly 4 days suitable for fieldwork. Corn planting nearing completion, 80% last year; emerged corn good condition, height 7 in. Soybeans 46% planted, 18% last year, average 33%. Burley 42% set, same as last year, average 32%. Dark type tobacco set 30% complete, last year 45%, average 32%. Small grains fair to good condition, some downed by heavy rain. Pastures fair to good condition, helped by recent rain. Hay harvest slowed by rain.

LOUISIANA: Temperatures 2 to 6° above normal. Precipitation averaged 0.50 to 0.90 in.

Soil moisture short to adequate. Days suitable: 5.1. Corn silked 37%, 42% 1981, 20% average; condition fair to good. Cotton planted 99%, 94% 1981, 91% average; emerged 95%, 94% 1981, 85% average; condition fair to good. Rice planted 98% 1982, 1981, and average; emerged 95% 1982 and 1981, 96% average; condition fair to good. Sorghum planted 81%, 79% 1981, 65% average; emerged 74%, 75% 1981, 56% average; condition fair to good. Soybeans planted 54%, 59% 1981, 57% average; emerged 38%, 41% 1981 and average; condition fair to good. Sweetpotatoes transplanted 74%, 83% 1981, 71% average; condition fair to good. Hay first cutting 50%, 64% 1981. Sugarcane rated fair to good. Wheat harvested 23%, 59% 1981, 35% average. Reported yields good. Peaches harvested 11%, 8% 1981. Bell pepper and cucumber harvest continuing. Vegetables rated fair to good. Pasture and livestock rated good.

MARYLAND AND DELAWARE: Rains came after three week dry spell and just allowed farmers in Maryland and Delaware 4 days fieldwork. Topsoil moisture remained short to adequate except in

Northern Maryland which has had abundant rain. Subsoil moisture remained short to adequate in Maryland and Delaware.

Maryland's progress percentages: Oats 60%, headed, 75% last year. Barley 30% turned, 65% last year. Oats 5% turned, 25% last year. Rye 25% turned both years. Wheat just beginning to turn in some areas, last year 25% turned. Tobaccco 30% planted, 25% last year. Corn 95% planted, 90% last year. Soybeans 35% planted, 20% last year. Sweet corn, tomatoes and cucumbers 85% planted, 80, 85 and 65% respectively last year. Snap beans 60% planted, 70% last year. Lima beans 65% planted, 55% last year. Watermelon 90% planted, 85% last year. First cutting hay 55% alfalfa hay 25% clover and other, 50% and 20% respectively last year. Delaware's progress: barley 50% turned, 40% last year. Rye 5% turned, none last year. Corn 95% planted this year and last. Soybeans 55% planted, 50% last year. Snap beans 60% planted and lima beans 65% planted, 50 and 60% respectively last year. Sweet corn 90% planted, 85% last year. Tomatoes 95% planted, 80% last year. Cucumbers 75% planted both years. First cutting alfalfa 35% cut, 70% cut last year. Clover and other hay first cutting 15%, 20% last year.

MICHIGAN: Temperatures averaged 1 to 3° above normal in sothern Lower Peninsula and 6 to 7° above normal northern Lower and Upper Peninsula. High temperatures in 70's and low 80's. Lows from mid 30's to low 50's. Precipitation ranged from 1.50 in. to 2.00 in.; southern Lower. Elsewhere less than 1.00 in. reported.

Fieldwork limited by rain and overcast skies most of the week. Statewide about 4 days suitable for fieldwork. Soil moisture supplies improved in south. Corn 95% planted, 85% last year, 89% average. Soybeans 70% planted, 40% last year, 60% average. Potatoes 95% planted, 90% last year and average. Dry bean planting 5% complete. Winter wheat 15% headed. Crop conditions improved by rain.

MINNESOTA: Temperatures averaged from 6° above normal north to 3° below normal south. Extremes: 85° Hallock and 36° at Duluth and Hibbing. Precipitation averaged near normal south to 0.80 in. below normal north. Precipitation totals less than 0.30 in. north and 0.30 to around 1.00 in. south. Patchy heavy rains of 2.00 to 3.00 in. west central to southwest and south central through southeast.

Fields dried sufficiently in northern two-thirds of State to allow some planting. In southern one-third, rain kept soils wet and permitted only limited amount of planting. Topsoil moisture rated 57% adequate and 43% surplus. Planted: Field corn 82%, 1981 97%, normal 93%; soybeans 47%, 1981 84%, normal 80%; sunflowers 47%, 1981 82%, normal 78%; potatoes 62%, 1981 92%, normal 81%; dry edible beans 37%; spring wheat 93%, 1981 99%, normal 95%; oats 95%, 1981 99%, normal 97%; barley 90%, 1981 99%, normal 94%; flax 53%, 1981 88%, normal 74%. Emerged: Field corn 65%, 1981 80%, normal 70%; soybeans 18%, 1981 38%, normal 43%; spring wheat 82%, 1981 99%, normal 86%; oats 89%, 1981 98%, normal 90%; barley 76%, 1981 99%, normal 83%; flax 34%, 1981 43%, normal 48%.

MISSISSIPPI: Temperatures 1 to 5° above normal. Showers and thunderstorms confined mainly to northern area with several locations reporting 1.00 to 2.00 in.

Soil moisture adequate to surplus north, adequate to short south. Fieldwork: 3.8 days suitable. Cotton 99% planted, 99% last year, 98% average; 94% to stand, 94% last year, 88% average; condition good to fair. Soybeans 48% planted, 44% last year and average; 25% to stand, 30% last year. Rice 98% planted, 99% last year, 97% average; 82% to stand, 96% last year, 89% average; condition good to fair. Corn 98% planted, 90% to stand. Peanuts 90% planted, sorghum 64%, sweetpotatoes 61%. Winter wheat 53% ripe, 5% harvested. Hay 29% harvested. Pasture condition good to fair.

MISSOURI: Precipitation averaged 1.25 in. with some locally heavy rains of up to 3.00 in. Temperatures ranged from 5 to 9° below normal in the north to 1 to 3° below normal in south.

Fieldwork: 1.5 days suitable. Corn 86% planted, last year 79%, normal 76%. Grain sorghum 57% planted, last year 40%, normal 50%. Soybeans 43% planted, last year 28%, normal 51%. Wheat 88% headed, last year 98%, normal 86%. Wheat 15% coloring, last year 42%, normal 22%. Alfalfa hay 1st cutting 33% harvested, last year 59%, normal 45%. Condition of winter wheat fair to good. Condition of pasture mostly good. Topsoil moisture supply mostly surplus.

MONTANA: Very wet week. Three to four in. of precipitation fell over large portion of north central and central areas and an inch or more over most of remainder of State. Snow accumulated at lower elevations from 4 to 24 in. and 4 to 5 feet in central mountains. Temperatures averaged 2° below normal in west and southeast and 7° below in north central. Week began very warm but turned very cold after midweek.

Topsoil and subsoil moisture adequate. Days suitable for fieldwork: 4. Winter wheat condition fair to good, 10% in boot stage, normally 35%. Percent planted compared with last year and average: spring wheat 80, 100, 95; barley 90, 100, 95; oats 75, 100, 90; corn 70, 75, 75; potatoes 65, 60, 65; dry beans 65, 65, 85. Percent emerged: spring wheat 55, 85, 75; barley 65, 80, 75. Livestock moved to summer range 65%.

NEBRASKA: Precipitation: Heavy precipitation, 2.50 in. over east to 0.67 in. over Panhandle and southwest. Temperatures: 2° below normal, cool days and warm nights.

Planting activities at standstill. Corn 45% planted, 93% last year and 94% normal. Corn planting 2.5 weeks behind normal; alternative crops being considered; emerged 35%, 70% last year and 75% normal. Sorghum planted 4%, 55% last year and 60% normal. Soybeans planted 3%, 60% last year and normal. Wheat mostly good to fair; jointing virtually complete; heading 55%, 85% last year, 50% normal. Wet conditions in the east were causing some disease and lodging problems. Alfalfa less than 5% harvested, 25% normal. Pasture and range feed mostly adequate. Feedlots muddy, gains slowed. Topsoil moisture mostly surplus to adequate. Subsoil moisture adequate to surplus. Days suitable: 1.3. Eastern third of State has received between 8 to 10 in. of rain since the first of April 1982. Drying conditions needed.

NEVADA: Week began with cold front eastern portion while high pressure dominated west. Sunny and warm midweek followed by much cooler temperatures remainder of period. Light rain occurred northeast. Temperature extremes: 97 and 20°.

Crop growth slowed by low night temperatures early and late in period. Range grasses also shorter than usual. Little to no precipitation did not help summer grazing prospects.

NEW ENGLAND: Cool the first part of the week. Lowest readings: 36° at Houlton, ME and 39° at Greenfield, MA early on the 24th. Relatively cool along coastal sections. But in the interior, the last four days were warm. Highest temperature was 88° on the 27th at Houlton, ME and on the 28th at St. Johnsbury, VT; Westfield, MA; and Hartford, CT. Precipitation occurred mostly on

the 24th, 28th, 29th and 30th. In general, amounts were above normal. Largest totals were 2.01 in. at St. Johnsbury, VT; 2.24 at Ayer, MA; 2.32 at Greenfield and 2.56 at Windsor Locks, CT.

Soil moisture: mostly adequate. About 6 days favorable for fieldwork. Grazing adequate. Cranberry growth one-half in. stage, first open blossoms in about 2 weeks. Greater than normal gypsy moth presence. Apples, petal fall or later. Corn for silage 72% planted. Some haylage harvested, but growth has been slow. Potatoes: Maine 90% planted, about 10% emergence. Rhode Island, potato planting completed.

NEW JERSEY: Temperatures averaged near normal. Extremes: 45° at Newton and Charlotteburg and 88° at Hammonton. Rainfall averaged 2.57 in. north, 2.15 in. central and 0.90 in. south. Heaviest 24-hour total was 3.00 in. at Belvidere on 28th to 29th. Estimated soil moisture, in percent of field capacity averaged: 81 north, 88 central and 70 south. Four inch soil temperature averaged: 66 north, 64 central and 64 south.

Fieldwork: 4.4 days sutiable. Soil moisture levels improved. Harvest of spring vegetables increasing. Planting of later vegetable crops continues. Light strawberry harvest begun. Apples, peaches and early blueberries sizing. Barley coloring rapidly. Hay and haylage being cut. Field corn and soybean planting continues. Pasture growth good.

NEW MEXICO: Outdoor activities were interrupted due to thundershowers which covered most of the State. Some areas received over 1.00 in. totals; however, most areas remaind below normal year-to-date totals. Wind and hail were light to moderate in most areas, however in some limited areas the damage was severe.

Soil moisture in short to adequate condition depending on the amount of rainfall received. Most cotton fields emerging to good stands. Alfalfa fields in good condition. Corn planting was completed in most areas. Irrigated wheat and barley fields in good condition. The dryland crop in poor condition, however, recent rains may help the condition of some fields. Planting of irrigated grain sorghum continuing. Chile remains in good condition. Onion harvest just beginning in the Mesilla Valley. Lettuce harvest complete. Ranges in poor to fair condition. Recent rains should help conditions in many areas. Cattle and sheep in good condition. Average temperatures were near or a few degrees below normal. Precipitation fell as showers and thundershowers the first half of the week. Cotton % planted 85, 90% 1981, 96% average.

NEW YORK: Rainfall mostly above average, temperatures well above normal.

Good crop growth. Corn planting 84% complete, 76% 1981, 75% average. Oat planting over 95% complete, same last year, 94% average. Haying weather poor, first cut beginning. Upstate muckland potatoes over half planted, rain delayed planting. Early strawberry harvest underway on Long Island. Apples have passed petal fall stage. Shoot growth slightly ahead of 1981 in Great Lakes vineyards.

NORTH CAROLINA: Temperatures: 3 to 5° above normal. Precipitation: Rainfall amounts varied from a few tenths to over 5.00 in. in some areas.

Soil moisture: 5% short, 49% adequate, and 46% surplus. Fieldwork: 2.4 days suitable. Conditions: All small grains fair to mostly good; tobacco beds, field tobacco mostly good; corn, Irish potatoes, and truck crops mostly good; cotton fair to good. Plantings; Corn 99%, 1981 100%, 99% average; cotton 100%, 1981 100%, 99% average; peanuts 99%, 1981 99%, 91% average; sweetpotatoes 35%, 1981 46%, 51% average; sorghum 67%, 1981 67%, 54% average; soybeans 50%, 1981 53%, 55% average; flue-cured tobacco 98%, 1981 100%, 96% average; burley tobacco 60%, 1981 70%, 49% average. Major farm activities: Planting soybeans, cultivation, and transplanting tobacco.

NORTH DAKOTA: Temperatures averaged above normal except southwest. Averages from 64° northeast to 55° southwest. Extremes: 84° northwest to 33° south central. Precipitation averaged from 0.44 in. below normal northeast to 0.79 in. above normal south central. Averages from 0.15 in. northeast to 1.45 in. south central.

Good progress on seeding although wet conditions caused some delay especially southwest. However, planting lags the usual pace for most crops. Farmers working long days to get crops planted. Average of 5.2 days suitable for fieldwork. One to two weeks of dry weather still needed to complete planting. Hard red spring seeding past the three-fourth's mark in all but southwest district. Percent of acreage seeded with last year's pace and average; hard red spring wheat 81, 97, 89, durum 80, 95, 84; barley 82, 94, 88; and oats 79, 97, 88. Small grain condition mostly good. Some leaf diseases from moist conditions. Weeds a problem. Spraying underway. Row crop planting becoming more active. Sunflower planting about 8 days behind average pace. Percentage planted with last year and average: Flax 44, 60, 51; sunflower 31, 61, 58; corn 50, 72, 65; potatoes 80, 90, 84; dry beans 49, 64, 72; and soybeans 81, 71, 70.

OHIO: Warm, wet. Temperatures averaged 2 to 6° above normal. Extreme highs in lower 80's; nighttime readings well above normal resulting in higher averages. Average highs in 70's balanced by lows in upper 50's and low 60's. Growing degree day totals ranged from 100 to 150. Precipitation well above normal. Most areas 1.00 to 4.00 in.

Farm activities included planting soybeans, setting tobacco, applying pesticides and herbicides, general farm maintenance, baling hay, green chopping hay, harvesting early vegetables and spraying fruit. Cutworms and other insects taking their toll. Weed problems increasing as the warm wet soil promotes growth and farmers prevented from applying herbicides or cultivating. Corn planted 100%, 55% 1981, 80% average. Soybeans planted 96%, 15% 1981, 57% average. Alfalfa, first cutting 30%, 20% 1981, 14% average. Tobacco transplanted 20%, 5% 1981, 10% average. Days favorable: 4. Pasture condition fair. Soil moisture 10% short, 66% adequate, 24% surplus.

OKLAHOMA: Rainfall ranged from 0.71 in. Panhandle to 4.05 in. south central. Temperatures averaged from 4° below normal Panhandle to 4° above normal south central.

Excessive rain delaying wheat harvest. Rust, lodging observed in low fields but damage not widespread. Wheat heading: 100%, 100% 1981, 100% average. Sorghum planted: 40%, 60% 1981, 45% average. Sorghum up to stand: 10%, 30% 1981, 20% average. Cotton planted: 35%, 45% 1981, 40% average. Days suitable for fieldwork: 2.4.

OREGON: Hot, dry week. Little or no precipitation. Eastern areas received up to 0.10 in. Record highs in west recorded, up to 94°.

Dry conditions, moisture stress evident in many fields. Winter wheat condition fair to mostly good. Wheat developing rapidly with warm weather; 62% headed; 86% last year. Rust sprays in some fine leafed ryegrass fields. Haying and silage making continues. Strawberry harvest just starting. Caneberries blooming. Sprays going on cranberries, bloom delayed. Sweet cherry crop appears down from normal; harvest 3 weeks away. Irrigation

being used extensively in most fruit orchards. Late potato plantings winding down. Early potatoes doing well. Asparagus harvest continues. Snap bean and sweet corn plantings on schedule. Other vegetable crops up and look good. Range and pasture conditions vary considerably. Growth was limited due to cool weather, but now lack of moisture main factor. Livestock mostly good shape.

PENNSYLVANIA: Considerable cloudiness and cool with showers first two days; seasonably warm and humid with widespread showers and thunderstorms last half. Temperatures averaged 2 to 6° above normal west and near to 4° below normal east with daily maxima mostly in the 60's and 70's and minima 40's and 50's. Extremes: 84 and 36°. Five days rainfall totaled from 0.50 in. north central mountains to 3.50 in. lower Susquehanna Valley with 1.00 to 2.50 in. common elsewhere for wettest week Statewide since end of October.

Three days suitable. Moisture adequate. Activities: Plowing; spraying; making hay and silage; transplanting tobacco; and planting corn, potatoes, soybeans, cabbage, and tomatoes. Plowing virtually complete, same time as last year and average. Soybeans 62% planted, last year 34%. Potato planting 93% complete, last year 92%. Corn 85% planted, last year 82% and average of 78%. Barley 13% in boot and 86% headed, last year 18% in boot and 70% headed. Wheat 49% in boot and 31% headed, last year 35% in boot and 40% headed. First cut alfalfa 15% complete, last year 19%. Hay stand conditions fair to good. Feed from pastures mostly average.

PUERTO RICO: Island average rainfall 1.22 in. or 0.51 in. below normal. Highest total 5.49 in. Temperatures averaged about 80° on Coasts and 78 to 74° Interior Divisions. Extremes: 92 and 59°.

SOUTH CAROLINA: Temperatures 2 to 3° above normal. Scattered showers; thunderstorms throughout week, mostly 24th and midweek. Few reports of hail.

Soil moisture adequate. Workable days: 4. Corn, fair to good condition. Improving with weather; tasselling reported. Cotton, fairly good, germination problems relieved. Tobacco fair. Topping premature blooms necessary. Growers applying nitrogen and insecticides. Peach harvest continues in coastal plains and Ridge areas, condition fair. Small grain harvested as weather permitted; some high moisture content. Grain hay harvest slow, condition fairly good. Vegetable harvest continues, with the remaining acreage looking good.

SOUTH DAKOTA: Precipitation over most of State. Southeast and east central wettest. Received up to 3.99 in. Some flooding over Memorial Day weekend. West central and southwest driest, mostly under 1.00 in. All districts except the northeast have received above normal precipitation. Temperatures 3° below normal. Extremes: 84 and 31°.

One day suitable. Activities: Weed spraying, machinery and fence repair, livestock care, and flax and row crop planting. Topsoil moisture surplus in much of northwest, west central, central, south central and southeast. Adequate elsewhere. Subsoil moisture mostly adequate. Short in central east river and parts of northeast. Surplus in parts of northwest, west central, central and south central. Winter wheat and rye in good condition. Mosaic virus reported in winter wheat and tan leaf spot in winter and spring wheat. Range and pastures good. Almost 90% cattle moved to pasture. Flax seeded 67%, 1981 82%, average 78%. Corn seeded 55%, 1981 89%, average 82%. Sorghum seeded 16%, 1981 42%, average 38%. Soybeans seeded 23%, 1981 61%, average 66%. Sunflowers seeded 15%, 1981 36%, average 33%. Spring wheat emerged 94%, 100% 1981. Oats emerged 97% 1981 99%. Barley emerged 96%, 1981 100%. Winter wheat boot stage or beyond 57%, 1981 90%, average 64%. Rye boot stage or beyond 77%, 1981 90%, average 77%. Winter wheat heading 10%, 1981 60%, average 29%. Winter rye heading 32%, 1981 66%, average 45%.

TENNESSEE: A weak cold front went stationary across the State on the 24th and dissipated on the 25th. Each day through the 29th a new cold front would approach from the west. However, none moved across the Mississippi. Moist unstable air remained over the State and was a primary contributor to scattered showers and thunderstorms throughout the week. Temperatures averaged 5° above normal with highs mostly in the mid 80's and lows mostly in the mid 60's.

Fieldwork: 3.6 days suitable. Soil moisture 52% adequate, 31% surplus, 17% short. Corn 92% planted, 1981 93%, average 86%. Cotton 99% planted, 1981 99%, average 98%. Soybeans 45% planted, 1981 32%, average 39%. Tobacco 70% transplanted, 1981 75%, average 60%. Wheat 50% turning color, 1981 74%, average 66%. Wheat 5% ripe, 1981 9%, average 5%. Oats 35% turning color, 1981 60%, average 54%. Oats 5% ripe, 1981 12%, average 10%. Alfalfa hay 87% complete. Pastures mostly fair. Activities: Planting corn, soybeans; setting tobacco, making hay, spraying for weeds.

TEXAS: Weather: Warm, very humid weather conditions covered State. Weak cold front east to west across Texas early week thunderstorm source. Widely scattered showers occurred. Temperatures near to above normal. Rainfall 1.00 in. above normal Childress-Wichita Falls area. Lower Valley, East, Northeast Texas below normal. Other areas near to slightly above normal.

Range and Livestock: Ranges, pastures remain excellent condition. Recent showers Edwards Plateau improved forage supplies; supplemental feeding continues scattered areas. Weeds problem some areas, grasshopper populations increasing Low Plains. Livestock continue gain weight with good grazing conditions. Cotton planted 68%, 82% 1981, 74% average. Cotton squaring 10%, 16% 1981. Cotton setting bolls 2%, 3% 1981. Rice planted 99%, 98% 1981, 99% average. Rice emerged 93%, 93% 1981. Sorghum planted all purposes 74%, 89% 1981, 82% average. Sorghum headed 25%, 29% 1981. Sorghum turning color 4%, 7% 1981. Wheat planted 96%, 99% 1981. Wheat turning color 46%, 68% 1981. Wheat harvested for grain 2%, 10% 1981, 3% average. Oats for grain harvested 10%, 38% 1981, 23% average. Corn planted 99%, 100% 1981, 99% average. Peanuts 17%, 37% 1981, 33% average. Soybeans 12%, 35% 1981, 31% average. Sunflowers 22%, 53% 1981, 29% average.

Crops: Weeds problem many small grain fields. Heavy rains across most Panhandle interrupted cotton planting, many washed out fields replanted. Some areas replanted soybeans. Replanting necessary some areas Blacklands. Lower Valley heavy rains, flooding may effect yields. Insect populations, damage light. Sorghum planting some progress, scattered showers, wet fields delayed planting most areas High Plains. Blacklands insect populations increase, some stands turning yellow. Blacklands through South Central Texas, growth stunted many wet, low lying areas. Corn planting almost complete; resume on Plains as fields dry. Minor hail damage some areas, stands should recover. Earworms problem Blacklands. Roasting ear stage South Texas. Wheat harvest continues southern part State, wet fields delayed operations some areas. High winds, heavy rains caused lodging problems some areas Cross-Timbers, Blacklands. Hail, high winds damaged some stands High Plains; some yield reduction expected. Rust problem Blacklands. Reported condition across

State was 71% of normal with 5% excellent; 33% good; 58% fair; and 4% poor. Condition improved with recent moisture, compares with 74% of normal last year. Grass problem rice fields. Crop responding warmer temperatures, sunshine needed most areas along coast. Fertilizer, fungicide operations continuing some areas. Peanut planting making some progress, wet fields delay seeding many areas. Soybean planting well behind schedule. Rains delayed planting some areas, replanting necessary washed out fields. Hay meadows excellent condition with good moisture supplies. Many oat fields being baled for hay. Several cut fields across Southern High Plains severly damaged by heavy rains.

Commercial Vegetables: Lower Rio Grande Valley, some cantaloupe, tomato stands severely damaged heavy rains. Harvest cucumbers, honeydews, watermelons, green peppers continued where weather conditions permitted. Insect control programs active most citrus orchards. Coastal Bend, cucumbers, watermelons, tomatoes make good progress. San Antonio - Winter Garden, weather slowed development most vegetables. Watermelons making good growth, but wet weather slowed growth, fruit set. Cucumber, potato, onion harvest continued where conditions permitted. East Texas, sweetpotatoes, cantaloupe, watermelons good progress. Sweetpotato planting full swing, although wet fields delayed planting in some areas. Some tomato stands blight, gray spot. Trans-Pecos, carrots, onions slow progress because cool nights. Some stands cantaloupes, tomatoes Hudapeth County signs salinity problems. Plains, onions southwestern Floyd County extensive hail damage. Green pepper planting good progress where conditions permit; some recently planted fields minor hail damage. Peach harvest good progress across State. Fruit sizing well most areas; thinning operations continue. Some minor hail damage reported across Low Plains; scab, brown rot problem East Texas. Pecan trees continue set nutlets; set light many areas. Producers spraying first generation casebearers where weather conditions permit.

UTAH: Active storm system moved into northwest latter part period. Accumulated amounts moisture generally light to moderate northwest, little or none south and east. Average temperatures ranged from near normal to 6° above. Pan evaporation generally above normal ranging from 1.36 in. in Cache Valley to 2.93 in. in Dixie Division.

Fieldwork active most of week. Crop and range development delayed by cool weather. Major activities included irrigation, corn planting, livestock movement, and week spraying. First crop hay being cut in warmer valleys. Alfalfa weevil and aphid beginning to appear. Insect spraying has begun in a few counties. Rain followed by warm weather needed to get crop growth stimulated.

VIRGINIA: Summer arrived early with warm and humid conditions and thunderstorms. Highs in the 90's and lows in the 60's. Rainfall was variable up to 2.00 in.; extreme 4.50 in. at Charlottesville with minor flash floods.

Thunderstorms and showers improved topsoil moisture and revived pastures and hay fields. Topsoil moisture rated 19% short, 55% adequate, 26% surplus. Day suitable for fieldwork: 2.8. Pastures were rated good, hay fields rated fair. First cutting of hay was below previous years, some cut hay still wet after 10 days. Corn 93% planted, same as 1981, 90% average. Stands in good to excellent condition and averaged 92% of a full stand. Soybeans 34% planted, 46% 1981, 33% average. Peanut planting virtually complete, ahead of 96% 1981, 98% average. Stands 84% of full stands. Some growers thickening their stands with second plantings. Some areas report shortages of plants for burley and sun-cured tobacco. Flue-cured tobacco 83% planted, 93% 1981, 70% average. Burley tobacco 59% transplanted, 42% 1981, 28% average. Fire-cured tobacco 53% set, 60% 1981, 46% average. Sun-cured tobacco 42% set, 66% 1981, 39% average. Cereal leaf beetles have damaged wheat and oats. Barley harvest began and has totaled 12% of the acreage, less than 1% last year and average. Wheat harvest expected to begin in mid June and peak around June 19th. Oat harvest should begin about June 21st and peak June 25th. Cattle continue in good condition. Continued high humidity may cause problems in strawberry fields.

WASHINGTON: A weak front brought clouds and a little rain over the weekend, but high pressure, reestablished by 31st, returned warm, mostly sunny days and fair, cool nights to the State. The air flow around a low pressure system to the south moved some moist and unstable air over the eastern half 26th through 28th. Showers from this unstable air produced variable amounts of precipitation during the latter half of the week east of the Cascades.

West: Warm, dry weather depleting soil moisture despite scattered sprinkles. Vegetable crops for summer harvest (corn, beans, squash, tomatoes, peppers, etc.) continue to be seeded. Green peas 80 to 100% seeded and early fields look good. Winter cauliflower and field rhubarb harvesting near completion. Strawberries and blueberries past peak bloom and looking good. Raspberries in bloom and also looking good. Cattle in good condition with pastures, hay, and roughage feeds in adequate supply.

East: Dry, warm, windy weather slowed growth a little for cereal crops. Wheat and barley continue to look good. Wheat 5% headed in most areas and about 62% headed in the southeast. Corn and potatoes mostly planted and alfalfa being cut. Sweet corn emerged and looks better than last year. Asparagus harvest almost complete. Fruit tree development behind due to the dry weather and trees being sprayed for coddling moths and cherry fruit flies. Cattle in good condition. Pastures in adequate condition. Hay and other roughage feeds adequate in most areas.

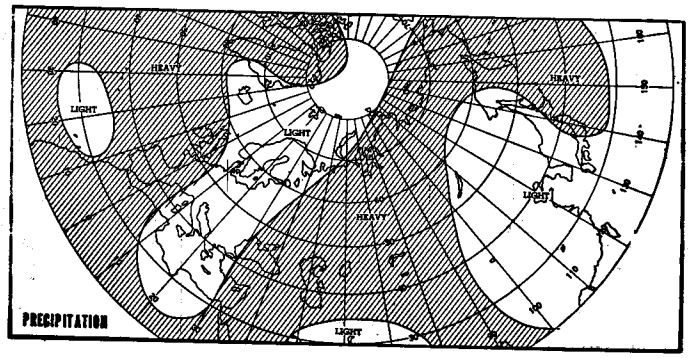
WEST VIRGINIA: Temperatures averaged 5° above normal. High 89°, low 48°. Precipitation averaged above normal. Heaviest in western half of State. Range 0.11 to 4.18 in.

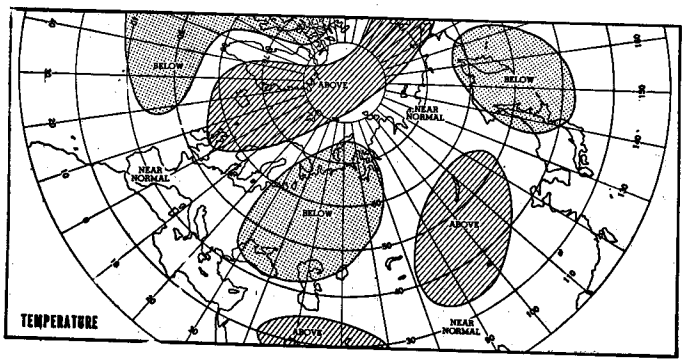
Soil moisture short to adequate. Days worked averaged 3.9. Main activities: Gardening, corn planting, general maintenance. Wheat, barley, and oats in fair condition. Wheat 12% pre-jointed, 45% jointed, 43% heading: 23%, 48%, and 29% in 1981. Barley: 10% pre-jointed, 30% jointed, 60% heading; 13%, 38% and 49% in 1981. Oats: 95% planted, 93% emerged: 94% and 92% in 1981. Corn in fair to good condition.; 85% planted, 67% emerged: 74% and 49% in 1981. Tobacco poor to fair condition, 100% planted, 87% emerged, 22% set; 100%, 97% and 11% in 1981. Pasture fair to poor. Hay fair to poor; 1st cutting 8% complete, 11% in 1981. Peaches poor to fair. Gardens fair to good, 76% planted, 68% emerged. Apples fair.

WISCONSIN: Temperatures averaged 2° below normal as southern areas experienced a week categorized by cool temperatures, scattered showers and cloudy skies. Northern areas enjoyed mild temperatures and sunshine throughout most of the week. Temperatures ranged from a high of 87° in Schofield on the 30th to a low of 32° in Brule

(cont. on back page)

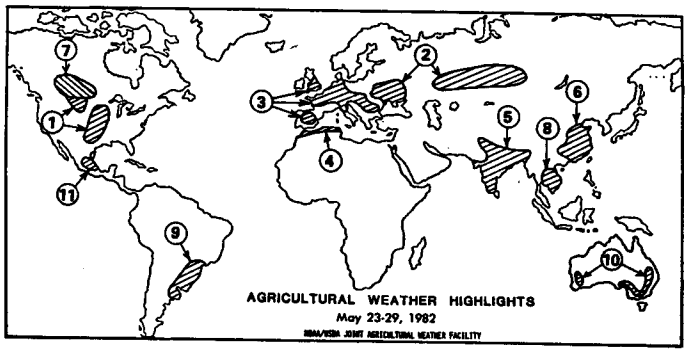
EURASIA OUTLOOK FOR JUNE



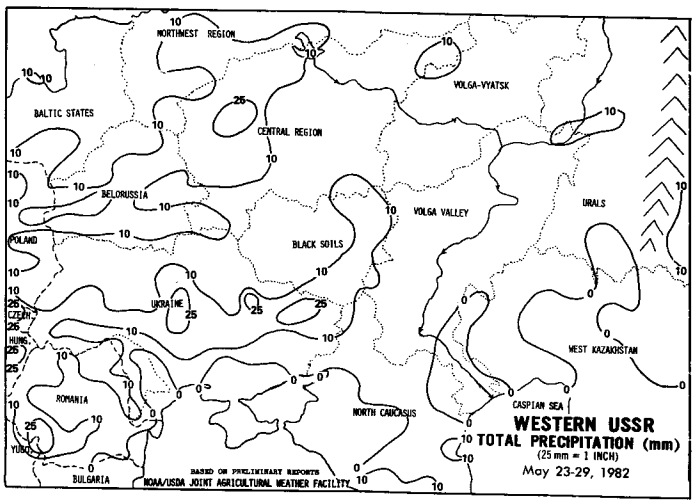


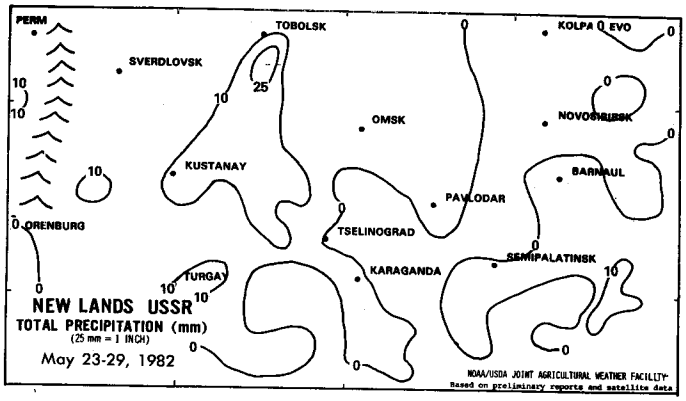
International Weather and Crop Summary

May 23-29



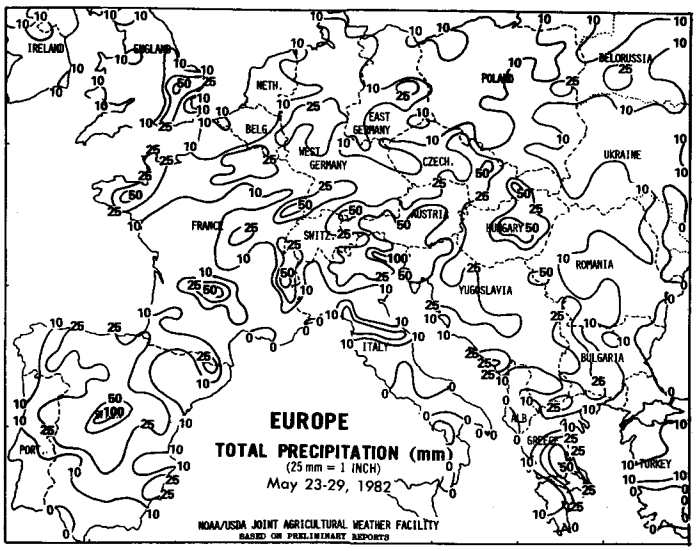
1. UNITED STATES: Wet fields further delay planting of corn and soybeans in western Corn Belt and cotton in north Texas. Wetness is also promoting some disease and lodging of wheat in central Plains. Late season cold, wet snap stresses livestock in northern Plains.
2. USSR: Showers benefit some crop areas in the Ukraine; continued unfavorably dry in the New Lands.
3. EUROPE: Wet weather favors crop growth in many areas.
4. NORTHWESTERN AFRICA: Mostly dry weather for winter grain harvest.
5. SOUTH ASIA: Mostly dry in wheat areas; premonsoon showers continue.
6. EASTERN ASIA: Rainfall benefits spring-sown crops south of the Yellow River and in the Yangtze Valley; excessive rains in Guangdong.
7. CANADA: Mostly favorable weather for spring crop planting.
8. SOUTHEAST ASIA: Rainy season continues.
9. SOUTH AMERICA: Widespread rain aids early wheat growth in Brazil; dry weather for crop harvests and wheat planting in Argentina.
10. AUSTRALIA: Beneficial rains for wheat planting.
11. MEXICO: Heavy rains aid grains in upper Northeast, while dryness returning to southern Plateau stresses corn.



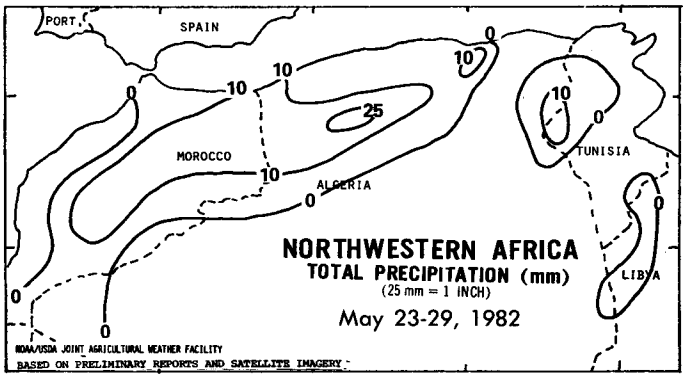


USSR: Two frontal systems moved eastward across European USSR, causing showers and thunderstorms over many areas. Significant amounts of rain, from 10-25 mm, fell on parts of the Ukraine and extreme western European USSR. The precipitation falling on parts of the Ukraine relieved the dry weather of previous weeks. In contrast, dry weather returned to crop areas in the North Caucasus. According to the normal crop calendar, winter grains should be entering the heading stage in the North Caucasus and southern Ukraine. Additional moisture would be highly favorable in these areas during this period of high moisture use. Weekly temperatures were above normal in west European USSR and below normal in the east.

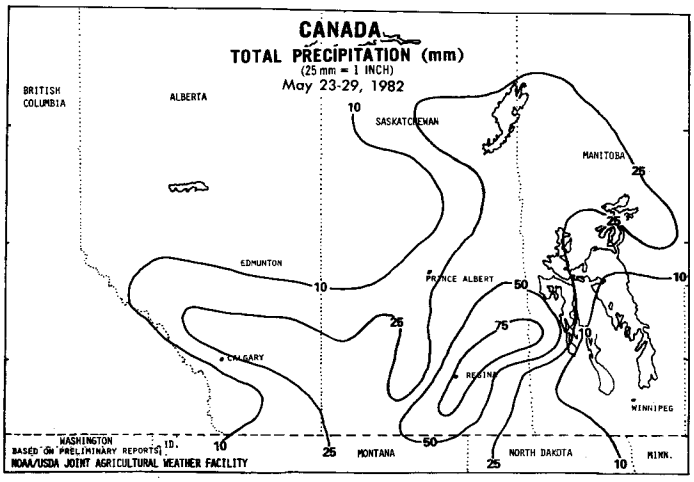
In the New Lands, beneficial precipitation fell on spring grain areas around Kustanay, Tselinograd, and Tobolsk. Rainfall in these areas ranged from 10-25 mm, improving topsoil moisture conditions for emergence and early growth of the spring grain crop. In contrast, spring grains grown over the remainder of the region received little, if any, precipitation.



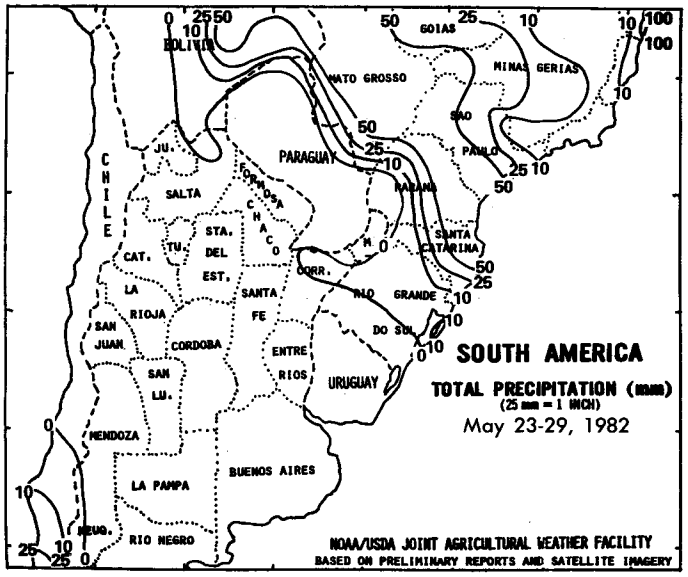
EUROPE: Wet weather continued over many crop areas. In Spain, rainfall ranged from 25-50 mm in central and northwestern areas. The moisture favored the growth of most crops, especially those winter grains which are still in the filling stage. In contrast, light precipitation fell on southern Spain, causing minor delays in early harvest activity. The precipitation which fell on France, England, and northern Europe maintained favorable moisture conditions for most crops. In southeastern Europe, rains benefited winter grains normally entering the heading stage. Temperatures for the week were generally above normal over most crop areas.



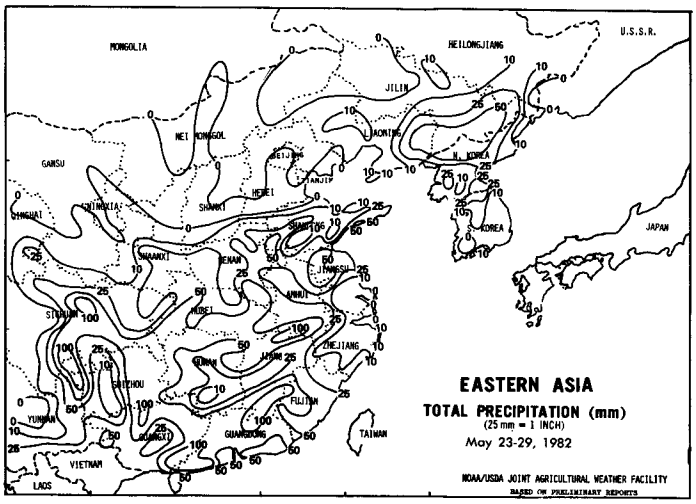
NORTHWESTERN AFRICA: Mostly dry weather continued over major winter grain areas. Moderate rains in and near the mountains had little impact, and temperatures stayed near normal. Harvesting should be in full swing in many areas, and the probability of rains interfering is quite low. Weekly coverage of this region will be discontinued until next autumn when sowing of next year's crop is scheduled to begin.



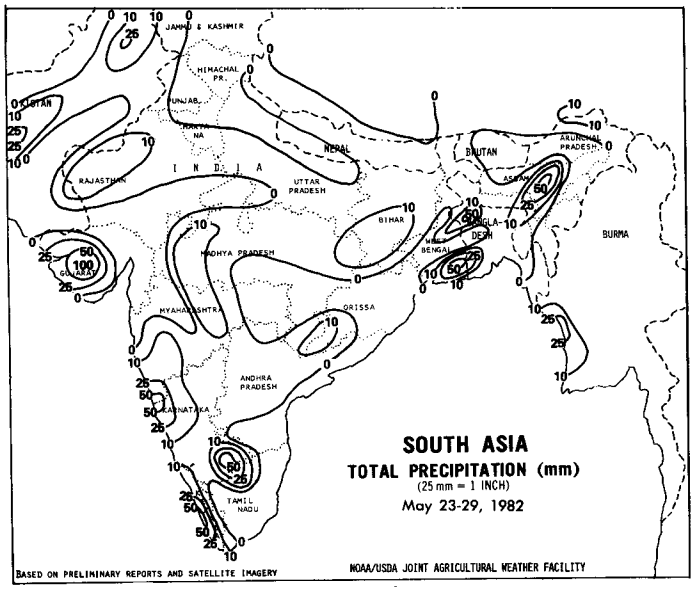
CANADA: Warm, dry weather early in the week allowed seeding to progress rapidly in the Canadian Prairies. During the latter portion of the week, however, showery weather slowed crop planting and produced locally heavy rainfall in Saskatchewan. Wheat planting reached over 75 percent completion in the Prairie Provinces. Planting progress by Province was as follows: Alberta, 85-90 percent; Saskatchewan, 80 percent; and, Manitoba, over 50 percent. With mostly light rain falling in Manitoba, however, spring crop seeding should have made good progress recently. Warm weather most of the week promoted good early growth of newly emerged crops. Moisture supplies are generally favorable throughout the Prairies.



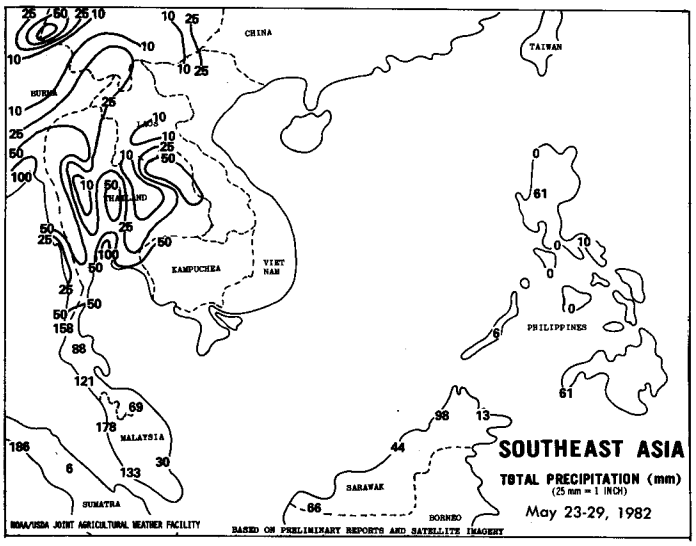
SOUTH AMERICA: In Brazil, mostly dry weather in Rio Grande do Sul aided the late harvests of soybeans, corn, and other crops. Topsoil moisture supplies should be adequate for early wheat growth in southern Brazil. Widespread rain fell north of Rio Grande do Sul, extending into the coffee areas of Sao Paulo and Minas Gerais. Several days of dry weather followed the heavy rain which should have improved harvesting conditions for citrus and coffee. In Argentina, no significant rainfall occurred throughout the major grain areas. The dry weather was favorable for late crop harvests as well as for wheat planting; however, the wheat areas would benefit from periodic showers to moisten the topsoils for the emerging crop during the slow growth period.



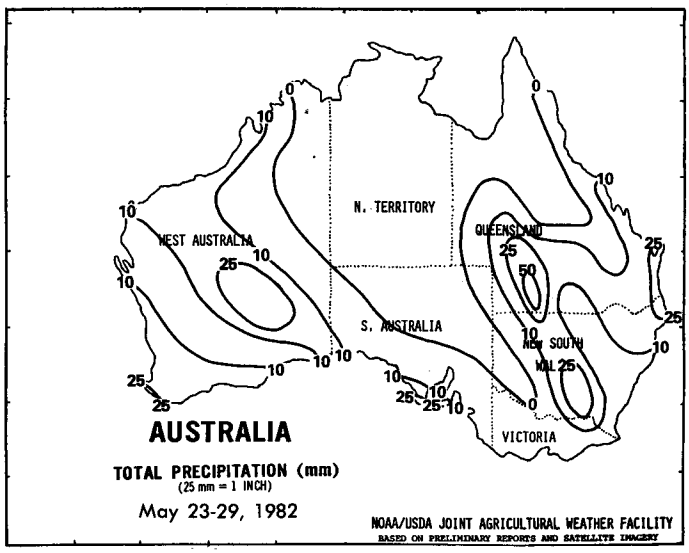
EASTERN ASIA: Temperatures near the Yellow River on the North China Plain reached near-record readings early in the week. The hot, dry conditions likely caused shriveling of those winter grains still in the filling stage, especially on nonirrigated fields. Cooler weather moved in later in the week, and above-normal rainfall advanced as far north as the Yellow River. The moisture benefited spring-sown crops immensely. Much of southern China also had above-normal rainfall. Moisture conditions for rice and other spring-sown crops improved over most of the Yangtze Valley; however, the wetness in Guangdong was unfavorable. Excessive rainfall caused flooding as early rice neared maturity. In South Korea, rainfall was greater in the north than in the south for the third consecutive week. Conditions in some southern areas are becoming somewhat too dry for newly planted rice.



SOUTH ASIA: Mostly dry weather continued over winter grain areas of northern India, but somewhat wetter weather persisted in northern Pakistan. Temperatures in both areas remained below normal, but drying conditions were satisfactory. Premonsoon showers continued over the rest of India and in Bangladesh. Rainfall was generally lower than the previous week but intensified somewhat along the southwest coast of India. The onset of the monsoon in southern India seems imminent.



SOUTHEAST ASIA: Rainfall over Thailand remained variable, with amounts ranging from near zero to above normal. Many rainfed corn areas received good rainfall, and reservoir water supplies should be adequate for rice irrigation. Temperatures stayed near normal. Satellite imagery indicated that weather in Kampuchea and Vietnam was somewhat drier than in Thailand.



AUSTRALIA: Beneficial moisture fell in many areas of the Australian wheat belt, although weekly totals were quite variable. Substantial rainfall (greater than 10 mm) over southern Queensland and northern New South Wales aided wheat planting. Additional moisture is needed to improve conditions for germination and emergence in the eastern wheat areas where soil moisture has been deficient in recent weeks. Light rainfall occurred over southern crop areas where moisture supplies have been more favorable for crop development. Showers also improved conditions in crop areas of Western Australia where rains are needed to sustain wheat development during the growing season. Wheat planting should be underway in many crop areas.

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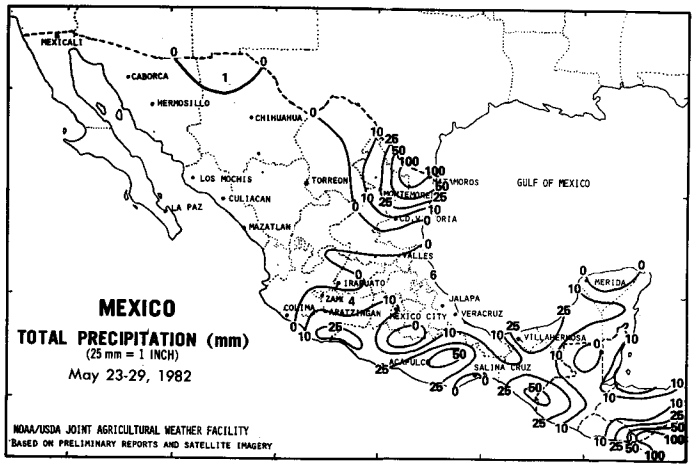
State Summaries (cont. from page 16)
on the 24th. Scattered showers brought wide ranging precipitation totals in the south. Generally precipitation totals ranged from 0.5 to 1.00 in. Northern areas remained dry although scattered showers fell over the weekend.

Fieldwork: 4 days suitable. Farmers continued with corn planting, although progress was somewhat hampered in the south. Currently 80% of the intended corn acreage has been planted, 99% 1981, 83% average. Due to wet conditions, planting has been bogged down in the southwest district. Soybean planting continued to the extent possible; 43% complete, 73% 1981, 51% average. Hay fields continued to show good growth and some isolated fields have been cut, although wide scale activity has not begun. Pastures generally very good to excellent; rated at 98% of normal, 77% 1981, 86% average. Planting progress of canning crops slowed due to damp conditions. Topsoil moisture conditions were rated 9% short, 48% adequate and 43% surplus. Moisture conditions particularly abundant in the south central district where they were rated 92% surplus.

WYOMING: Much precipitation again confined to eastern parts. Central and southwest sections mostly dry with other sections near normal. Temperatures above normal in dry sections and below normal in wet areas.

Topsoil moisture adequate 63% State. Subsoil moisture adequate 51% State. Five days suitable for fieldwork. Rain, wet fields slowed fieldwork. Spring wheat planted: 90%; last year 90%. Spring wheat emerged: 75%; last year 65%; normal 85%. Oats planted: 85%. Oats emerged: 50%; last year 70%; normal 84%. Barley planted: 90%; last year 95%. Barley emerged: 75%; last year 80%; normal 88%. Corn planted: 65%; last year 85%; normal 86%. Corn emerged: 25%; last year 45%; normal 62%. Potatoes planted: 55%; last year 55%; normal 74%. Potatoes emerged: 15%; last year 20%; normal 31%. Dry beans planted: 10%; last year 15%; normal 54%. Dry beans emerged: Few; last year few; normal 14%. Sugarbeets emerged: 75%; last year 95%; normal 93%. Winter wheat prospects fair to good, 5% acreage headed. Livestock good condition. Range ewes 85% lambed.



MEXICO: Heavy rains over the upper northeast benefited corn, grain sorghum, and citrus. Lighter amounts further south were insufficient for optimum development of sugarcane, coffee, and citrus; however, some soil moisture was available from previous rains. A few light showers dotted the southern Plateau, and moisture stress continued on rainfed corn. Hot, sunny weather over the north central and northwestern regions favored cotton, soybeans, and other irrigated summer crops. Tropical Storm Aletta, skirting the south coast, triggered a few heavy showers inland according to satellite photos.

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