

# WEEKLY WEATHER AND CROP BULLETIN

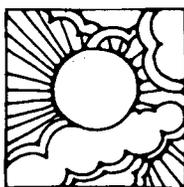
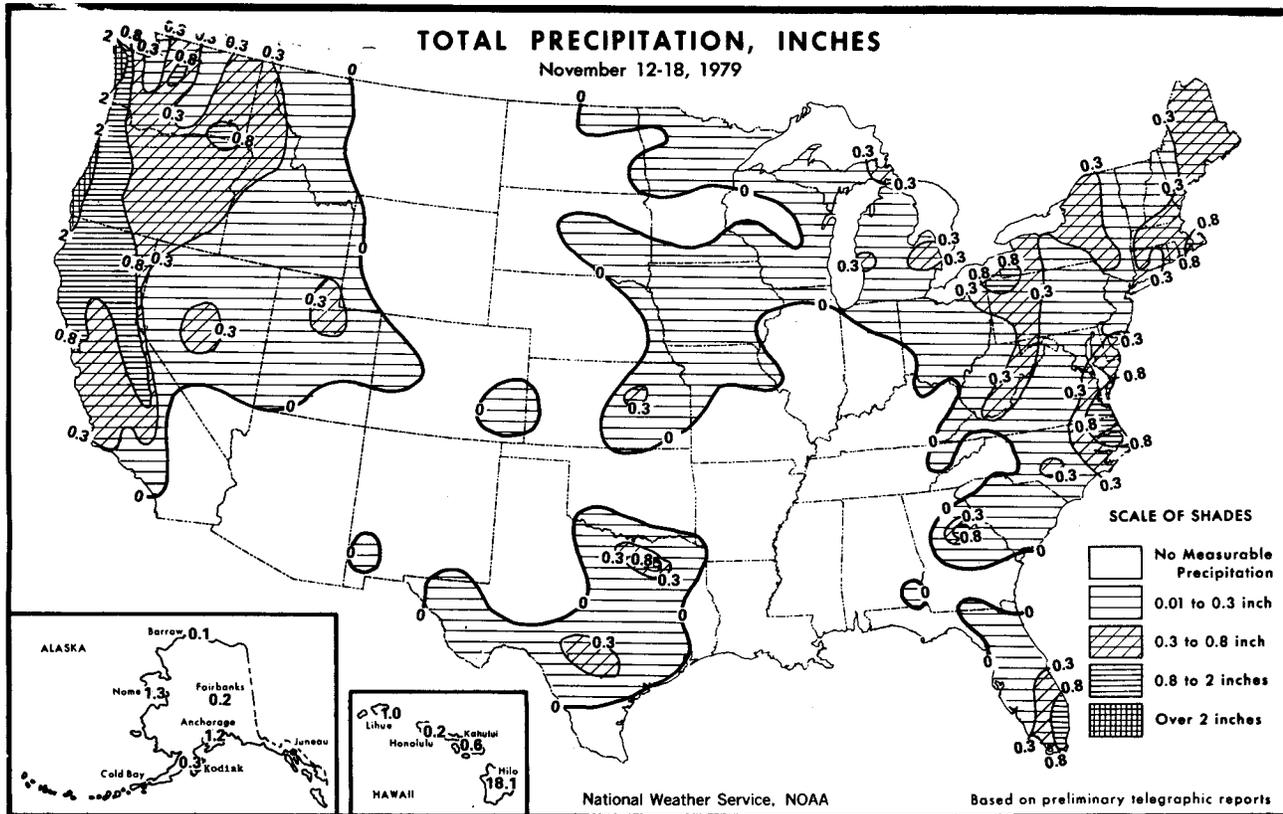
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## National Weather Summary

November 12 - 18

**HIGHLIGHTS:** Precipitation was sparse over the country. Light rain fell in parts of the East in the first half of the week. Snow covered the area along the Canadian border. The western Corn Belt (Iowa and Illinois) had very light rain and a little snow on Tuesday but remained dry the rest of the week. The precipitation lingered a little longer east of that area.

Out West, the rain/snow began to accumulate on Friday and spread eastward and southward. By week's end, the rain, with snow at higher elevations, had spread through most of California and the central and northern Plateau.

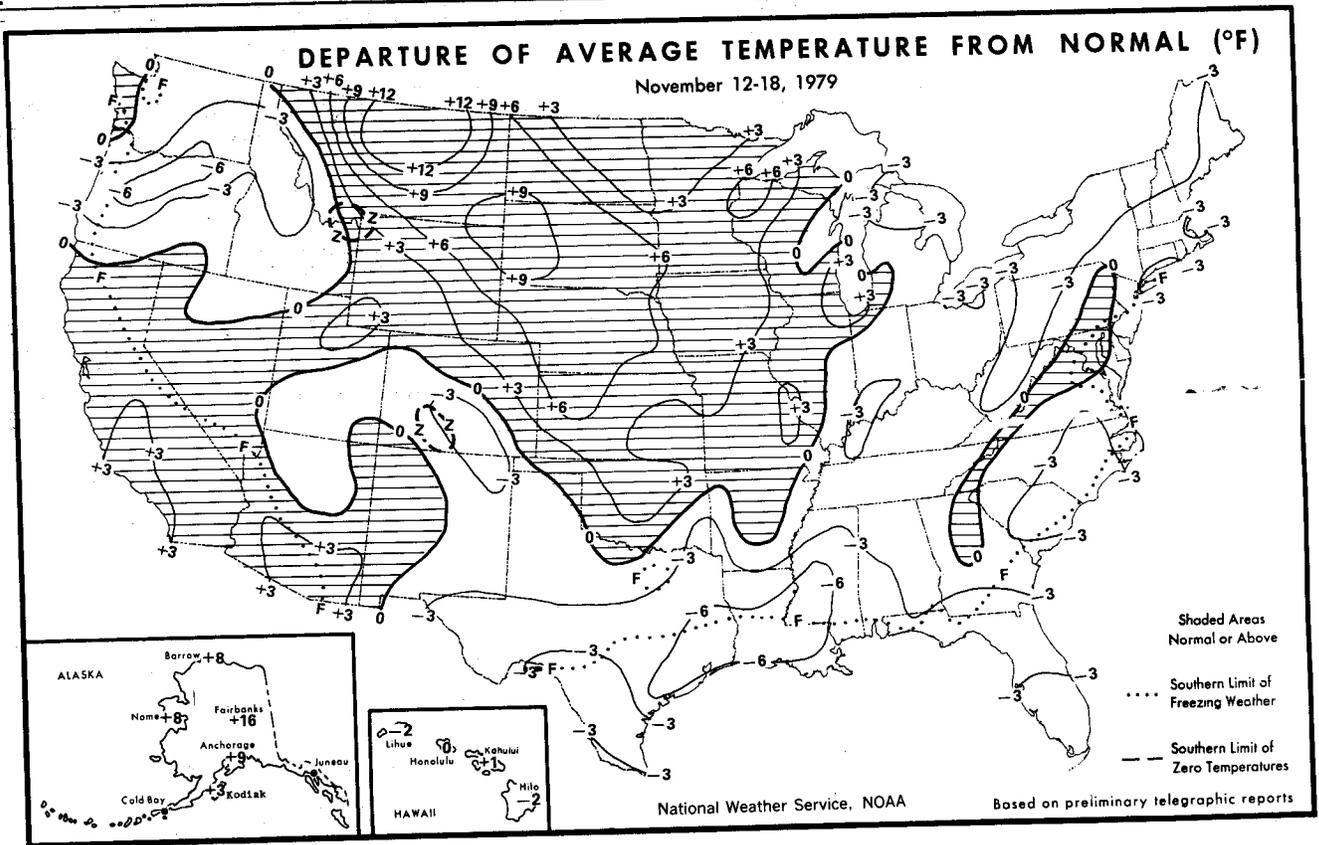
The average temperatures for the week ranged cooler than normal in the East and the West but much warmer in the central and northern Plains. Average temperatures ran as much as 10 to 12 degrees warmer than normal in the northern Plains.

On Monday, the heaviest rain fell over the middle Atlantic States and Florida. Newport News, southeastern Virginia, gathered 1.4 inches of rain, while West Palm Beach, eastern Florida, noted more than three-quarters inch. Light rain dampened parts of New England and the central Plains. Very light snow dusted northern Iowa and southern Minnesota.

Key West, at Florida's southern tip, set a record for its highest minimum temperature for the day at 79°--the previous record was set in 1925.

Very little moisture fell over the Nation on Tuesday. Light rain fell spottily from the middle Atlantic States through New England and over sections of Florida. Snow whitened upper Michigan.

Key West, Fla., at 79°, checked in with another record for its highest minimum reading. By con-



trast, Alamosa, south central Colorado, chalked up a record low  $-3^{\circ}$ , undercutting the old mark by 2 degrees.

Only very light moisture fell once again throughout the country. Wednesday's heaviest totals showed less than a quarter-inch of rain from Pennsylvania and New York State through New England.

A weather system skirting the United States/Canadian border brought up to 3 inches of snow to portions of northern Minnesota.

A light morning snowfall edged into Wisconsin and reached western Pennsylvania by Thursday's end, where up to 5 inches blanketed the ground.

Light rain dotted the Pacific Northwest and southern Michigan. A quarter-inch moistened Flint, Mich., and one-third to one-half inch fell from northern California through Washington State.

Again, Alamosa, Colo., notched a record low temperature when the mercury dipped to  $-1^{\circ}$ .

On Friday, rain persisted from northern California through the Pacific Northwest and

reached into the northern Plateau Region; more than an inch of rain soaked Ukiah, Calif.

Some very light rain fell over parts of New Mexico and southern Texas. Up to 2 inches of snow whitened portions of New York State and northern Vermont.

The heaviest precipitation on Saturday continued to fall from the upper West Coast to the Plateau Region. Blue Canyon, Calif., on the western slopes of the Sierra Nevada Mountains, collected 1.2 inches of rain, while a half-foot of snow fell in the Tahoe region of western Nevada.

Rain moved into south central Texas, where San Antonio recorded a bit more than a half-inch.

Sunday continued the rather uneventful weather week. Showers lingered over the Northwest and reached as far east as Utah. Astoria, extreme northwestern Oregon, scored three-quarters inch. Snow extended into the northern Rockies; an inch fell in Pocatello, southeastern Idaho, and Missoula, west central Montana.



## National Agricultural Summary

November 12 - 18

**HIGHLIGHTS:** Light rains moved across scattered sections of the country; wet soils continued to hamper fieldwork. Soil moisture rated adequate throughout most of the Nation except in Montana where supplies were rated as short. Farmers in the Atlantic Coast States had only 2 to 4 days suitable for fieldwork, while in other parts of the Nation, 4 to 6 days were suitable. Adequate soil moisture, along with a warming trend towards the end of the week, helped winter wheat stands to grow and develop. Corn harvest reached 82%, still lagging last year's 96% and the 89% average. Soybean harvest stood at 92%, short of last year's 95% but ahead of the 87% average. Cotton harvest, at 58%, was ahead of last year's 55% and the average of 54%. Grain sorghum combining advanced to 92%, falling behind last year's 95%, but ahead of the 88% average. The rice harvest was virtually complete in all areas. Pastures and rangelands were generally rated fair to good. Farm fuel supplies showed some change from the previous week. LP gas supplies in some north central States became tighter as demands surged for drying the corn crop. LP gas rated 2% deficient, 8% tight, 89% adequate, and 1% surplus. Diesel fuel scored 2% deficient, 15% tight, and 83% adequate. Gasoline scored 13% tight, 86% adequate, and 1% surplus.

**SMALL GRAINS:** Winter wheat seeding neared completion in most States, except in California. In Kansas, some reseeded took place because of the heavy rains that were received there recently; the crop was rated in fair to good condition. Colorado rated the crop very good. Montana rated their crop as only fair because of the poor germination caused by short soil moisture.

**CORN:** Corn harvest in the 17 major producing States reached 82%, lagging well behind last year's 96% and the 83% average. Wet fields, lodged stalks, and high moisture-content grain continued to plague harvest progress in the northern Corn Belt. Some farmers continued to schedule their combining operations to take advantage of frozen ground. In the eastern Corn Belt, harvest reached 85%, compared with 93% last year and the 86% average. The Wisconsin harvest, at 60%, lagged last year by 30 points. In the western Corn Belt, harvest reached 78%, 20 points behind last year and 13 points below the average. All States lagged last year, but the difference in Minnesota was the most significant. Harvest neared completion in many parts of the South.

**SOYBEANS:** Soybean combining advanced to 92%, down 3 points from last year but 5 points ahead of average. The same wet conditions, which hampered corn harvest in the north central States, also affected soybeans but to a lesser degree. Harvest reached 99% complete throughout the north central region. In the south central States, harvest stood at 88%, compared with 94% last year and the 79% average. The Southeast harvest was the slowest and stood at 51% complete, compared with 70% last year and the 56% average.

**COTTON:** Cotton picking stood at 58%, 3 points more than last year and 4 points more than average. Frost in Arkansas and Mississippi stopped development of the crop there. In Texas, harvest gained momentum on the High Plains, but peak harvest was still several days away. Central Texas and Edwards Plateau producers were winding down harvest and starting to shred stocks. Harvest in Oklahoma reached 30%, 10 points ahead of last year.

**OTHER CROPS:** Grain sorghum harvest reached 92%, short of last year by 3 points but 4 points ahead of the average.

Sunflower harvest continued in the northern States. Progress moved slowly also because of the wet fields, many of which had to be entered when the fields were frozen.

**FRUITS & NUTS:** Northern growers picked some remaining apples, however, harvest was complete for the most part.

The pecan harvest was underway in New Mexico, while standing at 49% in Mississippi and 45% in Georgia---both States lagged last year's progress. The pecan crop was rated poor to fair in South Carolina and fair to good in Alabama.

California grapefruit quality in the Coachella Valley was rated good. Desert Valley lemons rated good as well.

**VEGETABLES:** California avocado movement increased. Celery harvest edged past peak in Central Coast areas and was light in the South Coast sections. Sweet corn harvest slowed in Coachella Valley.

Florida vegetable condition rated fair to very good. Growth slowed due to cooler weather. Over-all shipments were up 45% from the previous week. Shipments increased considerably for chinese cabbage, escarole, celery, lettuce, parsley, peppers, and tomatoes. Supplies of eggplant, radishes, and squash held steady, while carrots and cucumbers decreased.

**PASTURES & LIVESTOCK:** Pastures and rangeland were generally rated fair to good. Kentucky and Virginia rated some ranges in excellent condition. Texas reported pastures deteriorating because of lack of moisture. Oklahoma stockmen used 10% wheat pastures, compared with 10% last year and the 5% average. Kansas reported that 5% of their wheat was being pastured. Livestock were generally rated in good condition with supplemental feeding getting underway in some areas.

Weather Data for the Week Ending Nov. 18, 1979

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days				
	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 Sept. 3	Pct. normal since Sept. 3	Average maximum	Average minimum	90 and above	32 and below	Temperature °F		Precipitation	
																90 and above	32 and below	.01 inch or more	.50 inch or more
ALA. Birmingham	62	37	70	31	50	- 2	0	-.9	0	14.6	180	87	39	0	1	0	0	0	0
Mobile	67	40	74	36	53	- 5	0	-.8	0	16.4	158	90	39	0	1	0	0	0	0
Montgomery	67	38	72	30	52	- 3	0	-.8	0	7.3	89	80	33	0	1	5	1	0	0
ALASKA. Anchorage	36	24	47	16	30	10	1.2	1.0	.6	5.6	130	82	66	0	0	0	0	0	0
Barrow	13	5	27	- 2	9	10	1.1	-.6	T	.6	55	83	61	0	0	0	0	0	0
Fairbanks	27	12	36	0	19	17	.2	-.1	T	.2	45	81	60	0	0	0	0	0	0
Kodiak	44	32	51	23	38	2	.3	-1.0	T	.9	81	69	54	0	0	0	0	0	0
Nome	31	19	35	5	25	9	1.3	1.1	T	8.1	184	91	71	0	0	0	0	0	0
ARIZ. Flagstaff	48	20	50	11	34	- 2	T	-.3	T	2.1	55	82	30	0	0	0	0	0	0
Phoenix	78	48	82	44	63	4	0	-.1	0	.3	25	53	15	0	0	0	0	0	0
Tucson	76	48	80	38	62	- 4	0	-.1	0	.3	15	38	15	0	0	0	0	0	0
Winslow	56	24	64	17	40	- 3	0	-.7	0	.6	38	15	18	0	0	0	0	0	0
Yuma	80	50	83	48	65	- 2	0	-.7	0	0	65	91	38	0	0	0	0	0	0
ARK. Fort Smith	64	32	73	26	48	- 2	0	-.7	0	0	65	91	38	0	0	0	0	0	0
Little Rock	64	40	73	31	52	2	0	-.9	0	6.7	79	70	33	0	0	2	2	2	2
CALIF. Bakersfield	75	47	82	42	61	5	.1	0	.1	.8	114	83	34	0	0	0	0	0	0
Eureka	62	46	67	41	54	2	1.7	-.3	T	11.3	155	97	68	0	0	0	0	0	0
Fresno	71	42	79	38	57	4	1.7	-.5	T	1.5	125	85	37	0	0	0	0	0	0
Los Angeles	76	53	81	50	64	4	T	-.4	T	.4	27	66	49	0	0	0	0	0	0
Red Bluff	66	45	74	38	56	2	1.5	-.8	T	1.1	5.7	178	88	32	0	0	0	0	0
San Diego	73	54	78	50	64	3	T	-.3	T	1.0	77	69	48	0	0	0	0	0	0
San Francisco	64	48	68	44	56	1	.7	-.1	.6	3.8	165	90	59	0	0	0	0	0	0
Stockton	67	43	70	37	55	3	.4	-.2	0	2.0	105	59	52	0	0	0	0	0	0
COLO. Denver	54	26	65	13	40	1	0	-.2	0	1.9	68	69	37	0	0	6	6	0	0
Grand Junction	52	26	55	23	39	0	0	-.1	T	.4	20	70	33	0	0	6	6	0	0
Pueblo	57	18	69	12	37	- 3	T	-.8	T	1.2	63	67	34	0	0	7	7	1	1
CONN. Bridgeport	49	38	56	31	44	- 2	.3	-.2	.2	9.3	121	77	48	0	0	2	3	3	0
Hartford	47	32	54	25	39	- 2	.2	-1.0	.1	10.2	115	80	47	0	0	0	0	0	0
D. C. Washington	58	42	75	37	50	2	.1	-.6	.1	13.5	190	79	49	0	0	0	0	0	0
FLA. Apalachicola	69	46	72	36	58	- 3	0	-.6	0	19.7	155	91	46	0	0	0	0	0	0
Daytona Beach	70	53	76	44	62	- 3	.1	-.4	.1	23.1	169	90	54	0	0	0	0	0	0
Ft. Myers	79	61	91	49	70	0	.2	-.1	.1	15.2	111	84	44	1	0	0	0	0	0
Jacksonville	69	45	75	35	57	- 4	T	-.4	.3	20.3	154	96	59	0	0	0	0	0	0
Key West	79	70	86	67	75	- 1	.3	-.3	.3	6.2	43	83	62	0	0	0	0	0	0
Miami	78	64	85	59	71	- 1	1.0	-.4	.9	17.7	95	87	59	0	0	0	0	0	0
Orlando	74	53	80	45	63	- 3	.2	-.2	.1	10.9	91	90	52	0	0	2	2	0	0
Tallahassee	69	39	74	30	54	- 5	0	-.6	0	14.0	131	92	45	0	0	0	0	0	0
Tampa	73	55	81	45	64	- 3	.1	-.3	.1	14.6	154	83	44	0	0	0	0	0	0
W. Palm Beach	77	60	85	52	69	- 3	1.3	-.7	.9	26.6	134	91	59	0	0	0	0	0	0
GA. Atlanta	62	39	73	31	51	0	T	-.9	0	10.8	144	85	43	0	0	2	2	1	1
Augusta	65	37	75	28	51	- 3	0	-.7	T	7.5	117	93	44	0	0	1	1	0	0
Macon	69	42	76	32	56	0	T	-.6	0	8.1	123	83	40	0	0	0	0	0	0
Savannah	67	42	74	33	54	- 2	0	-.4	0	14.1	155	85	47	0	0	0	0	0	0
HAWAII. Hilo	83	70	85	62	77	0	18.1	-14.9	-.1	28.1	109	81	52	0	0	0	0	0	0
Honolulu	83	70	85	62	77	0	.2	-.7	.1	1.5	41	81	52	0	0	0	0	0	0
Kahului	83	70	85	62	77	0	.6	-.0	-.1	.6	22	52	47	0	0	0	0	0	0
Lihue	83	70	85	62	77	0	1.0	-.3	-.1	5.0	57	74	47	0	0	5	2	0	0
IDAHO. Boise	48	29	52	23	38	- 1	.2	-.1	.1	1.7	89	74	47	0	0	5	2	0	0
Lewiston	43	33	48	29	38	- 2	.7	-.4	-.1	2.7	100	94	72	0	0	4	0	0	0
Pocatello	49	20	56	15	35	- 1	.1	-.1	.1	1.6	94	82	38	0	0	7	1	0	0
ILL. Cairo	58	38	70	30	48	0	0	-.9	0	5.3	65	75	44	0	0	1	0	0	0
Chicago	52	34	70	25	43	3	T	-.5	T	2.2	32	75	46	0	0	5	0	0	0
Moline	52	28	69	19	40	1	T	-.5	T	2.6	34	88	46	0	0	6	0	0	0
Peoria	52	28	69	19	40	0	0	-.6	0	1.9	27	87	47	0	0	5	0	0	0
Rockford	49	26	68	10	37	0	0	-.6	T	1.8	22	95	48	0	0	5	0	0	0
Springfield	57	32	72	23	44	3	0	-.4	0	1.9	25	88	45	0	0	4	0	0	0
IND. Evansville	54	30	70	23	42	- 2	0	-.8	0	7.5	104	85	46	0	0	5	0	0	0
Ft. Wayne	47	30	63	21	38	- 2	0	-.6	0	4.0	59	84	59	0	0	6	0	0	0
Indianapolis	51	28	67	23	40	- 2	0	-.7	0	4.6	63	89	43	0	0	5	0	0	0
South Bend	52	34	69	26	43	4	T	-.6	T	6.0	79	81	54	0	0	3	1	0	0
IOWA. Burlington	54	31	70	22	42	2	T	-.4	T	2.8	37	77	47	0	0	4	0	0	0
Des Moines	54	32	70	19	43	3	.2	-.1	.2	4.9	82	89	52	0	0	4	1	0	0
Dubuque	49	29	65	18	39	3	.1	-.5	.1	3.2	36	78	52	0	0	4	1	0	0
Sioux City	55	27	69	19	41	5	.1	-.1	.1	7.8	159	93	48	0	0	6	1	0	0
KANS. Concordia	61	32	72	21	46	6	T	-.2	T	5.8	105	80	35	0	0	3	0	0	0
Dodge City	60	31	70	24	46	3	0	-.1	0	3.6	97	78	28	0	0	7	0	0	0
Goodland	60	27	70	23	44	6	0	-.1	0	2.2	85	70	28	0	0	4	1	0	0
Topeka	61	31	71	20	46	3	.2	-.1	.2	5.2	80	90	39	0	0	5	1	0	0
Wichita	61	33	68	27	47	3	.1	-.3	.1	5.4	81	87	36	0	0	4	0	0	0
KY. Lexington	52	33	65	28	43	- 1	0	-.9	0	14.7	230	84	50	0	0	4	0	0	0
Louisville	57	33	71	28	45	0	0	-.9	0	15.3	215	89	41	0	0	3	0	0	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Nov. 18, 1979

States and Stations	Temperature °F						Precipitation					Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since Sept. 3	Pct. normal since Sept. 3	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
LA. Baton Rouge	66	36	73	33	51	-7	0	-1.0	0	7.1	84	86	39	0	0	0	0
LA. Lake Charles	67	39	75	34	53	-7	0	1.0	0	18.3	170	91	42	0	0	0	0
LA. New Orleans	66	42	75	34	54	-6	0	0	0	6.0	63	78	40	0	0	0	0
LA. Shreveport	67	38	75	30	51	-5	0	0	0	7.8	101	96	35	0	2	0	0
MAINE. Caribou	34	25	39	15	30	-2	.3	-1.5	.2	8.3	97	89	70	0	6	5	0
MAINE. Portland	42	30	48	29	36	-2	.3	-1.8	.2	13.3	148	91	62	4	4	4	0
MD. Baltimore	56	38	72	31	47	1	.2	-1.5	.2	14.0	192	75	46	0	0	1	0
MASS. Boston	48	37	55	30	42	-2	.7	-1.4	.3	9.7	113	70	57	0	2	3	0
MASS. Chatham	49	39	52	29	44	-1	1.5	-1.1	.6	9.7	113	85	61	0	2	5	1
MICH. Alpena	38	21	52	10	30	-5	.1	-1.5	.1	3.4	52	--	--	0	7	2	0
MICH. Detroit	48	28	65	18	38	-2	.2	-1.4	.2	3.2	52	90	53	0	5	1	0
MICH. Flint	46	29	66	21	37	-1	.4	-1.2	.4	3.5	57	94	62	0	4	1	0
MICH. Grand Rapids	48	31	69	23	40	1	.2	-1.4	.2	3.2	43	87	66	0	4	1	0
MICH. Houghton Lake	42	25	61	13	33	-1	.1	-1.5	.1	3.3	45	96	69	0	6	2	0
MICH. Lansing	47	26	66	19	37	-1	.1	-1.7	.1	3.0	48	88	58	0	5	1	0
MICH. Marquette	40	19	56	11	29	-4	.2	-1.6	.1	10.5	142	93	63	0	7	3	0
MICH. Muskegon	45	32	59	23	38	-1	.3	-1.4	.1	5.7	72	89	62	0	5	3	0
MICH. S. Ste. Marie	37	22	44	9	29	-3	.3	-1.5	.1	9.5	113	95	76	0	6	3	0
MINN. Duluth	40	27	53	22	34	6	.1	-1.3	.1	4.7	78	82	56	0	7	2	0
MINN. Internat'l. Falls	37	16	53	3	26	2	.1	-1.2	.1	5.0	89	92	55	0	7	3	0
MINN. Minneapolis	47	26	65	18	37	5	.5	-1.3	.1	5.4	108	88	55	0	5	0	0
MINN. Rochester	45	28	62	10	36	4	.1	-1.1	.1	6.9	128	88	54	0	4	1	0
MINN. St. Cloud	45	22	59	11	34	4	0	-1.3	0	6.1	124	77	--	0	7	0	0
MISS. Jackson	65	30	72	27	48	-7	0	-1.9	0	9.3	129	97	38	0	6	0	0
MISS. Meridian	67	33	73	29	50	-4	0	-1.8	0	14.2	197	92	38	0	3	0	0
MO. Columbia	57	33	69	26	45	1	.1	-1.4	.1	5.0	58	84	50	0	3	0	0
MO. Kansas City	58	36	69	30	47	5	.1	-1.2	.1	4.1	50	74	42	0	3	1	0
MO. St. Louis	60	36	74	28	48	3	.1	-1.6	.1	2.4	34	81	40	0	3	0	0
MO. Springfield	60	34	71	27	47	2	.1	-1.5	.1	5.0	57	76	44	0	4	0	0
MONT. Billings	53	34	61	26	43	8	.1	-1.2	.1	1.0	36	53	26	0	2	0	0
MONT. Glasgow	54	25	60	20	40	11	0	-1.1	0	.9	60	82	32	0	5	0	0
MONT. Great Falls	57	35	63	26	46	11	0	-1.2	0	1.2	55	42	21	0	2	0	0
MONT. Havre	56	28	64	18	42	13	0	-1.1	--	1.4	74	63	25	0	5	0	0
MONT. Helena	50	20	55	14	35	4	0	-1.1	0	.5	31	70	29	0	6	0	0
MONT. Kalispell	37	26	40	16	31	1	.2	-1.2	.2	2.3	70	91	74	0	7	2	0
MONT. Miles City	54	28	64	22	41	9	0	-1.1	0	.4	19	66	27	0	6	0	0
MONT. Missoula	38	20	42	12	29	-3	.2	-1.0	.1	1.1	46	93	70	0	7	2	0
NEBR. Grand Island	59	29	69	22	44	6	0	-1.1	0	5.4	142	77	29	0	6	0	0
NEBR. Lincoln	60	31	71	20	46	7	.1	-1.2	.1	6.0	122	91	40	0	3	0	0
NEBR. Norfolk	57	28	70	22	42	7	.1	-1.1	.1	6.7	172	82	41	0	6	0	0
NEBR. Norfolk	61	22	69	20	42	6	.1	-1.1	.1	3.2	100	76	24	0	7	0	0
NEBR. N. Platte	56	31	71	19	44	4	.1	-1.2	.1	7.4	140	92	51	0	4	0	0
NEBR. Omaha	60	22	72	17	41	6	0	-1.1	0	3.0	115	93	18	0	7	0	0
NEBR. Valentine	53	19	61	13	36	2	.2	-1.1	.1	1.2	100	55	22	0	7	2	0
NEV. Ely	68	40	71	37	54	1	0	-1.1	0	0	0	35	18	0	0	0	0
NEV. Las Vegas	58	23	62	17	40	0	.1	-1.0	.1	.5	50	74	25	0	6	2	0
NEV. Reno	57	18	65	11	37	0	.1	-1.2	.1	.9	60	73	23	0	7	1	0
NEV. Winnemucca	44	31	48	21	38	0	.2	-1.8	.1	9.2	114	87	54	0	3	3	0
N.H. Concord	53	34	65	24	43	-3	.2	-1.8	.1	8.1	93	87	48	0	4	3	0
N.J. Atlantic City	52	40	65	34	46	-1	.2	-1.6	.1	11.9	157	--	--	0	0	2	0
N.J. Trenton	60	29	63	26	45	0	0	-1.1	0	1.5	88	74	23	0	6	0	0
N.MEX. Albuquerque	61	29	72	22	45	-2	0	-1.1	0	.3	10	--	--	0	6	0	0
N.MEX. Roswell	48	29	55	21	39	-1	.1	-1.6	.1	9.0	125	79	51	0	5	2	0
N.Y. Albany	43	29	55	21	36	-2	.3	-1.5	.2	8.7	112	82	61	0	5	2	0
N.Y. Binghamton	42	30	53	22	36	-3	.4	-1.5	.3	11.5	137	86	67	0	5	3	0
N.Y. Buffalo	50	40	59	33	45	-3	.3	-1.6	.2	9.9	125	83	59	0	0	3	0
N.Y. New York	42	28	53	24	35	-5	.3	-1.6	.1	8.4	127	83	70	0	6	3	0
N.Y. Rochester	45	30	53	22	37	-4	.4	-1.4	.2	8.9	119	87	60	0	4	3	0
N.Y. Syracuse	59	34	70	24	46	0	.1	-1.7	.1	11.7	141	88	47	0	5	0	0
N.C. Asheville	59	38	71	29	49	-3	.1	-1.6	.1	15.4	208	73	46	0	1	0	0
N.C. Charlotte	59	35	73	26	47	-1	.1	-1.6	.1	19.0	247	86	47	0	2	1	0
N.C. Greensboro	61	46	68	34	54	-2	.7	-1.4	.4	20.4	158	92	62	0	0	2	0
N.C. Hatteras	57	34	73	25	45	-5	.1	-1.5	.1	11.9	153	91	50	0	4	2	0
N.C. Raleigh	62	42	75	32	52	-3	.1	-1.7	.1	15.8	155	83	47	0	1	0	0
N.C. Wilmington	53	18	65	6	35	7	.1	-1.1	.1	.9	39	75	35	0	7	0	0
N.DAK. Bismarck	39	21	52	0	30	2	.1	-1.2	.1	3.2	97	91	65	0	7	1	0
N.DAK. Fargo	49	21	60	12	35	8	.1	-1.1	.1	.5	26	79	45	0	7	0	0
N.DAK. Williston	46	31	63	25	39	-2	.2	-1.4	.2	11.1	173	81	52	0	6	1	0
OHIO. Akron-Canton	52	31	66	29	41	-2	.1	-1.8	.1	12.2	191	88	50	0	6	0	0
OHIO. Cincinnati	48	30	66	23	39	-3	.2	-1.5	.2	6.4	93	84	55	0	6	2	0
OHIO. Cleveland	50	32	65	25	41	-1	.1	-1.7	.1	9.7	170	88	55	0	4	1	0
OHIO. Columbus	50	31	67	20	41	-1	.1	-1.6	.1	6.8	121	81	47	0	4	0	0
OHIO. Dayton	49	31	66	18	40	1	.1	-1.5	.1	5.8	98	85	48	0	4	1	0
OHIO. Toledo	49	31	66	18	40	1	.1	-1.5	.1	5.8	98	85	48	0	4	1	0
OHIO. Youngstown	46	31	64	23	38	-2	.3	-1.4	.3	8.3	117	82	53	0	6	1	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Nov. 18, 1979

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days			
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since Sept. 3	Pct. normal since Sept. 3	Average maximum	Average minimum	90 and above	32 and below	Precipitation		
																.01 inch or more	.50 inch or more	
OKLA.Okla. City	67	38	75	30	53	4	0	-.3	0	1.8	26	75	30	0	2	0	0	
Tulsa	67	39	74	29	53	4	0	-.4	0	3.1	37	74	36	0	2	0	0	
OREG.Astoria	57	39	62	31	48	1	1.4	-.9	16.4	108	90	58	58	0	1	4	1	
Burns	49	23	55	18	36	1	.5	-.1	2.4	114	88	43	43	0	6	3	0	
Medford	47	37	58	31	42	-1	.8	-.1	5.4	123	81	79	79	0	3	4	0	
Pendleton	37	31	50	29	34	-7	.7	-.3	2.8	108	91	77	77	0	5	2	0	
Portland	50	37	55	30	44	-1	1.5	-.8	7.1	87	86	62	62	0	4	4	0	
Salem	47	32	52	23	40	-5	1.3	-.1	8.4	94	98	75	75	0	4	4	1	
PA.Allentown	51	37	64	31	44	2	1.1	-.7	13.4	165	84	43	43	0	1	1	1	
Erie	45	33	57	27	39	-2	.9	-.9	11.6	132	77	47	47	0	3	3	0	
Harrisburg	53	35	69	29	44	4	.2	-.6	12.3	176	72	47	47	0	3	2	0	
Philadelphia	54	38	67	32	46	-1	1.1	-.7	10.6	141	85	39	39	0	2	2	0	
Pittsburgh	47	32	63	26	39	-2	.2	-.4	7.2	109	71	45	45	0	4	2	0	
Scranton	48	34	60	27	41	0	1.1	-.6	10.9	154	86	46	46	0	3	3	0	
R.I.Providence	48	36	54	28	42	-2	.7	-.4	12.0	135	81	54	54	0	3	1	0	
S.C.Charleston	66	40	78	29	53	-3	T	-.5	20.9	225	96	55	55	0	1	1	0	
Columbia	64	36	77	25	50	-4	T	-.5	13.5	169	85	47	47	0	3	3	0	
Greenville	61	37	71	27	49	-1	T	-.7	13.3	156	89	47	47	0	2	2	0	
S.DAK.Aberdeen	48	25	64	13	37	7	0	-.1	1.2	38	84	46	46	0	6	0	0	
Huron	54	27	68	21	41	9	T	-.1	1.9	53	82	30	30	0	6	1	0	
Rapid City	60	29	69	24	45	10	T	-.1	1.0	43	57	21	21	0	6	0	0	
Sioux Falls	53	28	64	22	41	8	T	-.2	7.5	156	88	48	48	0	6	2	0	
TENN.Chattanooga	60	35	69	28	47	-1	0	-.9	14.7	175	89	43	43	0	3	0	0	
Knoxville	59	37	69	30	48	-1	.1	-.7	8.4	115	83	45	45	0	2	2	0	
Memphis	62	38	72	32	50	-1	0	-.9	6.9	91	80	36	36	0	1	0	0	
Nashville	59	34	72	26	47	-2	0	-.8	17.2	246	89	39	39	0	2	0	0	
TEX.Abilene	66	40	79	28	53	-1	0	-.3	.8	15	72	36	36	0	1	0	0	
Amarillo	58	31	67	26	45	-1	0	-.1	2.2	54	86	40	40	0	6	0	0	
Austin	68	43	79	34	56	-3	.1	-.4	1.9	24	87	37	37	0	0	2	0	
Beaumont	68	40	76	32	54	-6	0	1.0	13.2	118	96	45	45	0	1	0	0	
Brownsville	74	55	80	45	65	-3	0	-.3	9.9	108	88	52	52	0	0	0	0	
Corpus Christi	75	52	83	42	64	-1	T	-.4	13.3	155	90	50	50	0	0	0	0	
Del Rio	69	46	73	37	57	-2	.3	-.2	1.3	25	83	44	44	0	4	0	0	
El Paso	63	34	70	24	49	-3	0	-.1	1.3	25	54	31	31	0	4	0	0	
Fort Worth	68	40	75	33	54	-1	.1	-.4	.4	19	75	36	36	0	0	1	0	
Galveston	65	54	72	47	59	-4	0	-.8	4.8	69	77	52	52	0	0	0	0	
Houston	70	38	79	31	54	-7	.1	-.8	12.8	129	95	46	46	0	2	1	0	
Lubbock	62	33	76	25	48	0	0	-.1	12.1	113	74	29	29	0	4	0	0	
Midland	67	35	77	28	51	-2	0	-.1	.9	19	82	40	40	0	3	0	0	
San Angelo	65	36	79	26	50	-5	T	-.2	1.1	32	82	40	40	0	4	0	0	
San Antonio	71	44	79	32	58	-2	.6	-.2	1.1	22	78	40	40	0	1	2	1	
Victoria	71	44	77	34	57	-5	.1	-.4	1.5	20	92	43	43	0	0	2	0	
Waco	67	37	75	27	52	-5	.2	-.4	10.9	116	86	41	41	0	2	1	0	
Wichita Falls	69	39	82	31	54	3	.3	0	4.6	64	82	34	34	0	1	2	0	
UTAH.Blanding	52	24	55	22	38	0	0	-.1	1.8	28	75	27	27	0	7	0	0	
Salt Lake City	54	29	60	23	42	3	.4	-.1	1.4	50	75	38	38	0	5	2	0	
VT.Burlington	39	25	46	19	32	-5	.1	-.6	2.1	81	80	58	58	0	7	1	0	
VA.Lynchburg	56	35	73	26	46	-1	1.4	-.5	8.0	111	83	--	--	0	3	2	0	
Norfolk	59	42	73	35	50	-1	1.1	-.7	15.0	208	79	43	43	0	2	2	0	
Richmond	58	35	72	28	46	-2	.3	-.5	19.7	229	88	58	58	0	4	1	0	
Roanoke	57	36	73	31	46	0	T	-.6	17.1	209	80	46	46	0	2	2	0	
WASH.Colville	38	26	41	17	32	-2	.5	0	14.9	186	--	--	--	0	5	3	0	
Omak	37	30	45	27	33	-2	.1	-.3	3.4	100	--	--	--	0	5	2	0	
Quillayute	56	32	62	25	44	0	2.2	1.0	.7	3.3	143	96	62	62	0	4	5	3
Seattle-Tacoma	49	37	54	32	43	-1	.1	1.3	1.1	19.7	80	88	68	68	0	1	2	0
Spokane	38	24	41	17	31	-4	.6	-.1	.3	5.1	55	92	73	73	0	6	2	0
Walla Walla	41	35	52	32	38	-4	1.1	-.7	.6	2.4	69	87	78	78	0	1	3	1
Yakima	40	32	48	22	36	-2	.1	-.2	4.1	121	88	74	74	0	2	1	0	
W.VA.Beckley	47	30	62	23	38	-3	.3	-.4	1.7	106	90	55	55	0	6	5	0	
Charleston	53	30	67	25	42	-4	.1	-.5	9.6	132	90	47	47	0	4	2	0	
Huntington	55	34	69	30	44	-1	T	-.7	9.5	140	79	41	41	0	4	0	0	
Parkersburg	52	33	66	30	43	-2	T	-.6	10.0	156	76	40	40	0	4	1	0	
WISC.Green Bay	43	26	59	20	34	1	.2	-.3	8.4	135	88	68	68	0	7	2	0	
La Crosse	46	31	64	16	38	3	.2	-.2	4.2	67	91	65	65	0	3	2	0	
Madison	47	28	67	16	37	3	.1	-.4	5.9	95	84	60	60	0	3	1	0	
Milwaukee	48	33	67	25	41	4	.1	-.4	3.7	57	86	58	58	0	4	3	0	
WYO.Casper	49	26	55	15	38	4	0	-.1	2.3	38	52	27	27	0	5	0	0	
Cheyenne	53	25	66	10	39	4	0	-.1	.8	38	56	29	29	0	6	0	0	
Lander	46	18	52	11	32	1	0	-.2	1.1	50	76	37	37	0	7	0	0	
Sheridan	55	24	66	19	40	7	0	-.2	.5	17	73	33	33	0	7	0	0	
P.R.San Juan	86	75	87	73	81	2	3.0	1.7	2.8	3.0	107	83	60	0	0	4	1	

Based on preliminary reports and 1941-70 normals

## 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 ESCS State offices in cooperation with the National Weather Service.

**ALABAMA:** Cool and dry, temperatures averaged 3° sub-normal. Frost many locations early; heavy frost Tennessee Valley 15th. Trace of rain headland 13th; only rain reported.

Fieldwork: 4.6 days suitable. Soil moisture adequate. Cotton and soybean harvest principal activity. Corn 98% harvested, 97% 1978, 89% average. Soybeans: 99% mature; 83% harvested, 91% 1978, 74% average. Cotton: 91% bolls open; 68% harvested, 94% 1978, 70% average. Wheat 83% seeded, 72% 1978, 85% average. Sorghum 92% harvested, 91% 1978. Pecans 25% harvested. Condition: Soybeans good to excellent; wheat good; cotton, pastures fair to good; pecans poor to fair.

**ARIZONA:** Fairly dry weather prevailed. Temperatures normal to 3° below normal in White Mountains, 1 to 4° above normal southern half.

Cotton harvest 73% complete, well ahead of normal. Sorghum harvest virtually complete southwest, continues other areas. Small grain seed bed preparation, planting continued. Early fields emerged. Sugarbeet growth satisfactory. Lettuce harvest approaching full volume central, gaining momentum west. Harvest mixed vegetables, good progress. Few honeydews remain. Planting lettuce, other vegetables active. Citrus harvest active, none reached maximum volume. Citrus groves good condition, new crop sizing well. Diesel, gasoline, LP gas supplies reported adequate. Cattle being shipped winter pastures. Winter forage prospects not good. Ranges very dry, little growth. Cattle fairly good condition. Water hauling, supplemental feeding required many areas.

**ARKANSAS:** Generally a dry week. Trace of rainfall reported at only 2 stations. Temperature extremes: 77 and 17°.

Farmers preparing land. Harvesting of rice, sorghum and corn ending. Weather allowed disking of crop stubble, planting of small grains, harvesting late cotton and beans. Fieldwork: 5.8 days suitable. Soil moisture adequate. Diesel 77% adequate, 19% tight; gasoline 86% adequate, 10% tight; LP gas 96% adequate. Soybean harvesting resumed as good weather allowed combining, 88% completion, 90% 1978, 77% average. Cotton: Frost, cool weather slowed or halted opening of bolls. Rice harvesting finished. Corn harvest 95% complete, 99% 1978, 100% average. Sorghum harvest completed. Small grains, early seeded oats and wheat good stands. Wheat 89% seeded, 86% 1978, 82% average. Oats 84% seeded, 93% 1978, 93% average. Cattle good. Pastures average.

**CALIFORNIA:** Temperatures at or just above normal.

Cotton harvest 86% complete, 55% last year. Shredding, disking, and plowing harvested fields active. Rice harvest slowed by rain and damp, foggy mornings. Dry bean harvest continued on limited basis. New crop sugar beets emerging. Pruning, soil preparation, orchard and vineyard pulling. Irrigation continued. Avocado movement increasing. Table grape harvest ending. Coachella Valley grapefruit quality good. Desert valley lemon quality good. Navel orange harvest increasing, quality, color good. Valencia orange and walnut harvest complete. Broccoli good. Cauliflower fairly heavy Central Coast, increasing San Joaquin Valley, South Coast. Celery past

peak Central Coast, light harvest South Coast. Sweet corn harvest slowing Coachella Valley. Lettuce volume increasing Palo Verde Valley, decreasing San Joaquin Valley. Potato harvest continued. Grazing activity increased, rangeland grass continues to make good growth. Supplemental feeding continued. Calving declining most areas. Sheep continue grazing harvested fields. Liquid petroleum gas adequate. Few areas experiencing tight supplies diesel and gasoline.

**COLORADO:** Clear skies and mild temperatures most of week. Light precipitation, less than 0.25 in. Temperatures above normal late in week, but 2 to 6° below normal average.

Corn grain harvest 84%, 94% 1978, 94% average. Sorghum grain harvest 76%, 93% 1978, 89% average. Sugarbeet harvest 97%, 99% 1978, 99% average. Winter wheat very good. Fieldwork: 4.5 days suitable. Livestock very good condition. Fuel supplies adequate.

**FLORIDA:** Cold front across central Florida on 12th moved to Florida straits by 14th, bringing considerable cloudiness, general rains Peninsula, with fair weather, Panhandle. No significant rainfall in Panhandle with generally less than 1.00 in. elsewhere except 1.00 to 2.00 in. along the southeast coast. Temperature extremes 30's and 80's.

Soil moisture mostly adequate to short. Soybean harvest active. Cotton picking continued. Sugar cane harvest active. Small grain planting active. Early plantings improved. Recent showers beneficial. Fuel supplies mostly adequate. Pastures northern tier counties, hit by frost at midweek, show further seasonal decline. Pastures rated poor to fair except lower southern Peninsula, good to excellent. Cattle, calves generally good. Midweek cool weather beneficial for both fruit color and tree dormancy. General vegetable crop condition fair to very good. Growth slowed due to cooler weather but fruit set improved. Harvest activity increasing most crops. Overall shipments up 45% from previous week. Shipments chinese cabbage, escarole, celery, lettuce, parsley, peppers, tomatoes up considerably. Snap beans, sweet corn, okra increased. Supplies eggplant, radishes, squash held steady while carrots, cucumbers decreased. Strawberry transplanting about complete. Plant life good, older plants making good growth.

**GEORGIA:** Temperatures ranged from 3° below normal northwest to 2° above normal central and south. Weekly averages upper 40's north and low 60's south. Rainfall exceeded 3.00 in. in extreme north. Most stations between 1.50 and 2.50 in. except less than 1.00 in. along north coast. Weekend mostly sunny and dry.

Soil moisture adequate except surplus north-west corner. Fieldwork: 4.0 days suitable. Central and south had first frost. Corn fair to good, 97% harvested, same as last year, average 92%. Soybeans good, 65% combined, 82% last year, 65% average. Cotton fair to good, 85% picked, 91% last year, 76% average. Pecans fair, 45% gathered, 50% last year, 51% average. Wheat 65% planted. Rye 81% planted. Other small grains 75% planted. Pastures fair to good. Cattle and hogs good. LP gas 99% adequate, diesel 96% adequate, gasoline 98% adequate.

**HAWAII:** Torrential rains Island of Hawaii caused heavy crop damage. Taro fields Waipio Valley inundated. Half to total losses reported. Future taro shortage anticipated. Vegetable crops eastern, northern sections heavily affected. Spoilage losses expected. Elsewhere Hawaiian chain, weather cloudy and wet. Rains some sections beneficial to orchards and pastures.

Vegetable supplies declining. Spoilage losses heavy. Gusty winds toppled few banana trees Island of Oahu. Papaya yearend flush ending. Pineapples slow. Some sugar mills finish harvesting. Rains curtailed cultivation east Hawaii coastal areas.

**IDAHO:** Temperatures generally below normal. Precipitation light and reported at only two stations. Sugarbeet and corn for grain harvest nearing completion. Fall tillage and fertilizer application continuing as weather permits. Livestock generally on winter range. Calves being marketed. Fields and ranges remain open.

**ILLINOIS:** Temperatures ranged 3° above normal to 2° below normal. Precipitation light most areas, except extreme south. Soil moisture short to adequate.

Corn 93% harvested, 97% 1978, 89% average. Winter wheat 95% emerged; condition good to fair. Soybean 60% complete, 68% 1978, 51% average. Pasture conditions good to fair. Supplying 28% livestock roughage requirements, 38% 1978, 42% average. Fieldwork: 6.5 days suitable.

**INDIANA:** Sunny, warm, and dry week. Temperatures averaged 3° above normal. Extremes: 20 to 70°. Rainfall 0.00 to 0.02 in. Soil temperatures mostly in 40's.

Fieldwork: 5 days suitable. Topsoil and subsoil moisture adequate. Corn 85% harvested, 1978 90%, average 80%. Soybeans 98% combined, 1978 98%, average 98%. Wheat 100% seeded, 1978 100%, average 100%. Wheat 90% emerged, 1978 90%. Spring cropland 40% plowed, 1978 45%, average 35%. Tobacco 30% stripped, 1978 25%.

**IOWA:** After a cold snowy start, weather became mild and dry. From 1 to 4 in. of snow fell over northern Iowa and light snow and/or rain fell over southern areas on the 12th.

Fieldwork: 5.3 days suitable. Corn harvested 80%, 1978 100%, normal 92%. Soybean acreage harvested 100%, 1978 100%, normal 98%. Fall plowing 37%, 1978 44%, normal 40%. Topsoil moisture adequate to surplus. Subsoil moisture adequate to surplus. Livestock good condition.

**KANSAS:** Precipitation mostly light with little or none northwest and north central to generally less than 0.10 in. elsewhere. Temperatures averaged from 45° northwest to 47 to 49° central and east.

Wheat reseeded necessary due to heavy rains. Wheat seeded 95%, 100% year ago, 98% average. Wheat emerged 85%. Approximately 5% available for pasture. Condition declined in northwest, central and southeast. Corn harvest 91%, 99% last year, 90% average. Sorghum grain 90% harvested, 96% year ago, 80% average. Soybean harvest 96% completed, same last year, 80% average.

**KENTUCKY:** No measurable precipitation recorded. Temperatures averaged near or slightly above normal with widespread freezing temperatures overnight early in the period and much above normal readings by weekend.

Favorable week for fieldwork. Late harvest and fall plowing primary activities. Soil moisture

adequate to surplus. Burley tobacco 40% stripped. Corn harvest 92% complete, last year 95%, average 90%. Soybeans 92% harvested, last year 96%, average 86%. Fall seeding of wheat 90% complete. Wheat condition good. Pastures excellent.

**LOUISIANA:** Temperatures 3 to 7° below normal. Extremes: 78 and 21°. No rain. Hard freeze north, frost elsewhere early and middle part of week.

Fieldwork: 5.9 days suitable. Soil moisture adequate. Soybeans 96% harvested, 98% last year, 91% average. Cotton 84% harvested, 98% last year, 87% average. Sweetpotatoes 97% dug, 98% last year. Sugarcane fair to good; 58% harvested, 58% last year, 51% average. Oats and wheat 93% planted, 94% last year, 92% average. Pecans 59% harvested, 49% last year. Pastures fair, cattle good.

**MARYLAND & DELAWARE:** Temperatures averaged about normal. High averaged 4° below normal, ranged from low and mid-50's. Lows averaged 5° above normal, ranged from near 40 to mid-40's. Precipitation averaged about 1.50 in.

Fieldwork: 2.1 days suitable. Soil moisture supplies surplus. Fuel supplies adequate. Corn for grain, 95%, ahead of normal, a week behind last year. Soybean harvest, 70% complete, 90% 1978, 77% average.

**MICHIGAN:** Temperatures near normal. Extremes: 9 and 69°. Precipitation mostly light.

Fieldwork: 5.0 days suitable. Soil moisture adequate. Pasture feed supplies average. Corn 75% harvested, 88% last year, 83% normal. Soybeans 98% harvested, 96% last year, 94% normal.

**MINNESOTA:** Temperatures averaged 1 to 5° above. Precipitation averaged 0.12 to 0.40 in. below. Snowfall this week 1 to 2 in. north and trace to 1 in. elsewhere.

Corn harvest good progress in south despite soft fields. High grain moisture. Sunflower combining very slow in north. Harvesting limited to morning when ground frozen. LP gas shortage severe in southwest, south central, limiting corn drying. Harvested: Corn 65%, 1978 99%, normal 98%; soybeans 96%, 1978 99%, normal 99%; sunflowers 84%, 1978 94%, normal 98%.

**MISSISSIPPI:** Temperature 5° below normal south, 10° below normal elsewhere. Greatest 24-hr rainfall 4.00 in. Extremes: 22 and 87°.

Soil moisture mostly adequate, central and northeast surplus. Fieldwork: 5.0 days suitable. Frosts have virtually stopped cotton development. Soybean and cotton harvesting at full speed. Soybeans 84% harvested, 94% 1978, 79% average. Cotton 73% harvested, 98% 1978, 81% average. Corn 96% harvested, 98% 1978, 93% average. Sweetpotatoes 99% harvested, 100% 1978 and average. Pecans 49%, 54% 1978 and 55% average. Winter wheat 84% planted, 77% 1978, 87% average; condition good to fair. Pasture condition fair to good. Livestock condition good to fair. Diesel and gasoline supplies adequate to scattered tight. LP gas supplies adequate.

**MISSOURI:** Temperatures averaged near normal. Precipitation averaged 0.10 in. or less.

Fieldwork: 5.3 days suitable. Corn 88% harvested, last year 88%, normal 82%. Grain sorghum 92% harvested, last year 91%, normal 84%. Cotton 92% harvested, last year 97%; normal 83%. Winter wheat 94% seeded, last year 93%. Plowing for spring planted crops 48% complete, last year 53%. Pastures mostly fair. Winter wheat mostly fair to good. Soil moisture adequate. Fuel supplies for farmwork mostly adequate.

**MONTANA:** Very light precipitation. Cold air trapped in western valleys most of week resulted in below normal temperatures west of Divide, elsewhere temperatures ranged 3° above normal to 12° above normal north central and around 8° above central and south central areas.

Winter wheat fair with minimum wind damage. Germination poor many areas, stands spotty, 25% not germinated some areas. Soil moisture continued short. Winter ranges fair with 25% of cattle and sheep on supplemental feed.

**NEBRASKA:** Temperatures 5° above normal. Precipitation: only traces isolated stations. Near ideal Indian summer weather; warm days and nights mid to late week.

Corn harvest 80%, year ago 95%, normal 85%. Sorghum harvest 90%, year ago 100%, normal 95%. Winter wheat condition good to fair. Diesel and gasoline supplies 95% adequate; 5% tight. Fieldwork: 6.4 days suitable.

**NEVADA:** High pressure dominated weather pattern most of week. Light rain and snow spread over north and central. Temperature extremes: 79 and 70°.

Cotton harvest gaining momentum. Grading and marketing potatoes. Livestock doing well.

**NEW ENGLAND:** Coastal disturbances and weak cold fronts brought wet and cloudy weather with normal temperatures over the region. Rain fell in the south on 4 of the first 5 days and in the north on 5 of the first 6 days.

**NEW JERSEY:** Temperatures near normal, averaging 42° north, 45° south and 47° coastal. Extremes: 22 and 62°. Precipitation above normal, averaging 0.72 in. north, 1.02 in. south and 1.58 in. coastal. Heaviest 24-hour total 1.70 in. Cape May Court House 11-12th.

Hardy vegetable harvest continues. Corn for grain 75% harvested. Soybean combining 65% complete. Fall seeded grain making good growth in response to adequate moisture and warmer temperatures. Apples, potatoes and sweetpotatoes moving from storage. Farm fuel supplies mostly adequate but gasoline reported tight in some areas.

**NEW MEXICO:** Week essentially dry and mostly fair. Temperatures averaged near to slightly colder than normal with gradual day-to-day warming.

Soil moisture supply adequate. Light-moderate killing freeze in all areas. Cotton 30% harvested. Pecan harvest underway. Most crops wind-up stages. Ranges good condition, livestock good.

**NEW YORK:** Below normal temperatures in the 30's except in low to mid-40's southeast. Coastal low combined with cold front on 15th and 16th brought 1 to 4 in. snow to north and west sections but precipitation remains below normal for week.

**NORTH CAROLINA:** Temperatures averaged about normal. Precipitation averaged about normal.

Fieldwork: 2.9 days suitable. Soil moisture adequate to surplus. Condition: Wheat, oats, barley, rye, and pasture fair to mostly good. Harvested: Corn for grain 95%, 1978 100%, average 92%; cotton 66%, 1978 79%, average 72%; soybeans 46%, 1978 62%, average 49%; sorghum grain 86%, 1978 93%, average 87%. Planted: Wheat 81%, 1978 80%; oats 90%, 1978 83%; barley 93%, 1978 89%; rye 90%, 1978 89%. Phenological stages: Soybeans leaf drop 90%.

**NORTH DAKOTA:** Dry mild weather. Temperatures averaged 3 to 6° above normal east and 8 to 12° above normal west. Extremes from -3 north central to

+66° west central and southwest. Precipitation very light.

Warmer temperatures good for drying of sunflower and corn. However, ground in many fields too wet for combines. Harvest activity expected to pick up when hard freezes return.

**OHIO:** Near or above normal temperatures. Extremes: 20 to 67°. Rainfall below normal range 0.50 in. to 0.70 in. Soil temperatures climbed to 50° over weekend.

Harvest continued to be a struggle. Remaining soybeans may not be completed until ground is frozen. About 75% of wheat acreage now emerged. Warm weekend weather promoted good growth, majority of crop acreage looks good. Livestock in excellent condition. Corn harvested 85%, 95% 1978, 90% average. Soybean harvested 98%, 100% 1978, 95% average. Winter wheat planted 100%, 100% 1978, 100% average. Tobacco stripped 35%, 40% 1978, 30% average. Fall plowing 45%, 50% 1978, 40% average. Wheat emerged 75%. Fieldwork: 5.5 days suitable. Pasture very good. Soil moisture adequate to surplus.

**OKLAHOMA:** Temperatures 1 to 3° below normal east central and southeast divisions during the past week, and 1 to 4° above normal elsewhere. Rainfall light with only small amounts east and southern sections.

Mild, open weather enabled farmers to make good progress planting wheat and harvesting late season crops. Weather aided small grains that were up to stand make good growth and development. Wheat planted 100% 1979, 1978 average; up to stand 70% 1979; 90% 1978; 95% average. Wheat grazed 10% 1979; 10% 1978; 5% average. Sorghum harvested 85% 1979; 70% 1978; 80% average. Cotton harvested 30% 1979; 20% 1978; 25% average. Fieldwork: 6.3 days suitable.

**OREGON:** Dry weather prevailed until 16th when light to moderate rain fell. Temperatures below normal.

Soil moisture supplies mostly adequate. Winter wheat 97% seeded; good condition. Most farmwork consisted of post harvest activities and regular chores. Livestock condition good. Range and pasture conditions good.

**PENNSYLVANIA:** Seasonable temperatures with light precipitation through 15th; clearing 16th and turning considerably milder weekend with highs in 60's 18th. Weekly extremes 15 and 69°. Precipitation 0.25 in. or less all areas except northwest where 0.50 to 0.75 in. Snowfall 1 to 3 in. northern counties 15th.

**PUERTO RICO:** Island average rainfall 0.71 in. or 0.75 in. below normal. Temperatures averaged about 79° on coasts and 74° interior. Extremes: 92 and 55°.

**SOUTH CAROLINA:** Freezing temperatures midweek over all but southern coast. Temperatures slowly rose to near seasonal normals. Practically rainless with scattered rain 12th and 13th at a few locations.

Soil moisture adequate. Fieldwork: 4 days suitable. Cotton 89% harvested after delay due to humid conditions, 96% year ago, 85% average. Soybeans maturity following frosts at 96%, same as previous data; 39% harvested, 63% last year, 52% average. Small grain planting, emergence remains ahead last year, conditions good except oats fair to good. Peanuts 94% harvested, well behind prior years. Pecan condition poor to fair.

**SOUTH DAKOTA:** Average temperature 2 to 11° above normal. Extremes: 8 and 72°. Mild temperatures and dry weather. Highs in 60's common.

Row crop harvest continued to be delayed by wet fields and high moisture content. Corn for grain harvest, two weeks behind average; sunflowers one week behind last year; grain sorghum one week behind average. Remaining harvest depends on ability of soil to support equipment. Gasoline and diesel fuel supplies mostly adequate. LP gas supply tightened as demand heavy for dryer facilities. Topsoil moisture supplies: surplus, southeast corner; short, west and north central; adequate elsewhere. Fall sown grains fair. Corn for grain 80% harvested, 1978 100%, average 94%. Sunflowers 91% harvested, 1978 100%. Grain sorghum 91% harvested, 1978 100%, average 95%.

**TENNESSEE:** Week was dry. Temperatures 3° below normal.

Soil moisture adequate. Fieldwork: 3.9 days suitable. Corn harvested 88%, 1978 94%, average 82%. Cotton harvested 67%, 1978 96%, average 74%. Soybeans harvested 84%, 1978 96%, average 68%. Burley tobacco stripped 72%, 1978 55%, average 71%. Fall plowing 90%, 1978 89%, average 87%. Wheat seeded 87%, 1978 90%, average 85%. Oats seeded 95%, 1978 98%, average 100%. Barley 95%, 1978 100%, average 100%. Pastures fair. Livestock good. Fuel supplies adequate.

**TEXAS:** High pressure, clear skies dominated weather although low pressure caused showers. Slow moving cold front entered Panhandle 18th. Temperatures near normal while rainfall below normal.

Heavy frosts, light freezes occurred Low Plains, Cross-Timbers, Blacklands, portions of south central. Cotton harvest increased Plains but many producers awaiting complete defoliation. Peanut, sunflower harvest virtually complete while soybean, cotton harvest made good progress. Small grain seedings winding down High Plains, east, central. Small grain planting southern Low Plains. Cotton harvest gained momentum High Plains but peak harvest still several days away. Central Texas, Edwards Plateau producers winding down harvests, shredding stalks. Sugarbeet harvest advanced 15 points for week although some fields still too wet to dig. Sugar content high. Small grain prospects varied from good High Plains, central, east to poor Edwards Plateau, south. Flax seeding progressing slowly, few fields emerged.

Except for scattered areas, most range and pastures continue to deteriorate from moisture shortage. On High Plains cattle continue placed on corn and mild stubble fields. Very limited forage available from small grains. Supplemental feeding continued many areas.

**UTAH:** Widely scattered shower and thunderstorm activity forepart period. Moisture generally light to moderate. Temperatures generally below normal ranging from 1° above to 7° below.

Soil moisture improving. Sorting and grading of apples, onions and potatoes continued. Turkey processing in progress. Breeding of range ewes for spring lambing continued.

**VIRGINIA:** Cloudy, mild, rainy on 12th, 13th; fair, cooler on 14th, 15th; warmer over weekend. Temperatures averaged near or slightly above normal. Extremes: 11 to 75°. General rainfall, averaging about 1.25 in. on 12th, 13th.

Wet conditions delayed farm activity. Topsoil moisture adequate to surplus. Fieldwork: 2.4 days suitable. Corn 85% picked, 94% 1978, 87% usual. Soybeans 60% combined, 84% 1978, 69% average. Cotton 50% picked, 100% 1978, 73% usual. Wheat 75% seeded, 79% 1978, 80% average. Pastures good to excellent. Farm fuel supplies adequate. Burley tobacco sales to start 11/19.

**WASHINGTON:** West: Temperatures slightly lower than normal. Precipitation well below normal. Frosts common. Carrot harvest continued. Christmas tree harvest picking up. Berry growers pruning and tying. Cattle getting supplemental feed.

East: Temperatures averaged 4 to 5° below normal. Precipitation 0.20 to 0.30 in. below normal. Corn harvest slowing. Winter variety grain conditions fair to good. Aftermath grazing of hay and corn fields for cattle. Orchard cleanup, pruning, and pest control active.

**WEST VIRGINIA:** Temperatures below normal, except slightly above in eastern Panhandle. Precipitation below normal, even though most areas reported some precipitation 5 of the 7 days. Snow in higher elevations 15th.

Fieldwork: 3.5 days suitable. Soil moisture adequate. Pasture conditions fair to poor. Hay supplies adequate. Grain supplies adequate. Fuel supplies adequate to tight.

**WISCONSIN:** Temperatures 2° above normal with great contrast from beginning to end of week. Extremes low teens to upper 60's. Precipitation 0.10 to 0.30 in. Snow 0.50 to 2.00 in.

Fieldwork: 5 days suitable. Corn for grain 60% harvested, 1978 90%, average 88%. High moisture content of corn and some wet fields continued to slow harvest. Corn standing well most areas, some stalk breakage and mold from wet weather. Shortage of LP gas reported as much corn needs to be artificially dried. Soybeans 87% combined, 1978 95%, average 97%. Fall plowing 42% done, 1978 50%, average 55%. Sunflowers still being harvested, some high in moisture. Soil moisture supplies mostly adequate to surplus.

**WYOMING:** Temperatures below normal virtually all reporting stations. Highs mostly high 40's to mid-60's. Lows generally single digits to teens. Precipitation generally below normal.

Weather favorable for livestock. Some livestock still being marketed. Cattle in good condition. Some producers weaning calves.

**HARVEST PROGRESS:  
FOR WEEK ENDING NOV 18**

SOYBEANS			
	1979	1978	AVG.
ALA	83	91	74
ARK	88	90	77
GA	65	82	65
ILL	100	100	98
IND	98	99	98
IOWA	100	100	98
KANS	96	95	80
KY	92	95	86
LA	96	95	91
MICH	98	95	94
MINN	96	99	99
MISS	84	94	79
MO	100	95	83
NEBR	100	100	100
N C	46	62	49
OHIO	98	100	100
S C	39	63	52
TENN	84	95	68
<b>18 STATES</b>	<b>92</b>	<b>95</b>	<b>87</b>

THESE 18 STATES PRODUCED 95% OF THE 1978 SOYBEAN CROP.

COTTON			
	1979	1978	AVG.
ALA	68	94	70
ARIZ	73	61	66
ARK	79	93	82
CALIF	86	55	NA
GA	85	91	76
LA	84	95	87
MISS	73	98	81
MO	92	97	83
N MEX	30	20	50
N C	66	79	72
OKLA	30	20	25
S C	89	95	85
TENN	67	95	74
TEX	45	40	44
<b>14 STATES</b>	<b>58</b>	<b>55</b>	<b>54</b>

THESE 14 STATES PRODUCED 99% OF THE 1978 COTTON CROP.

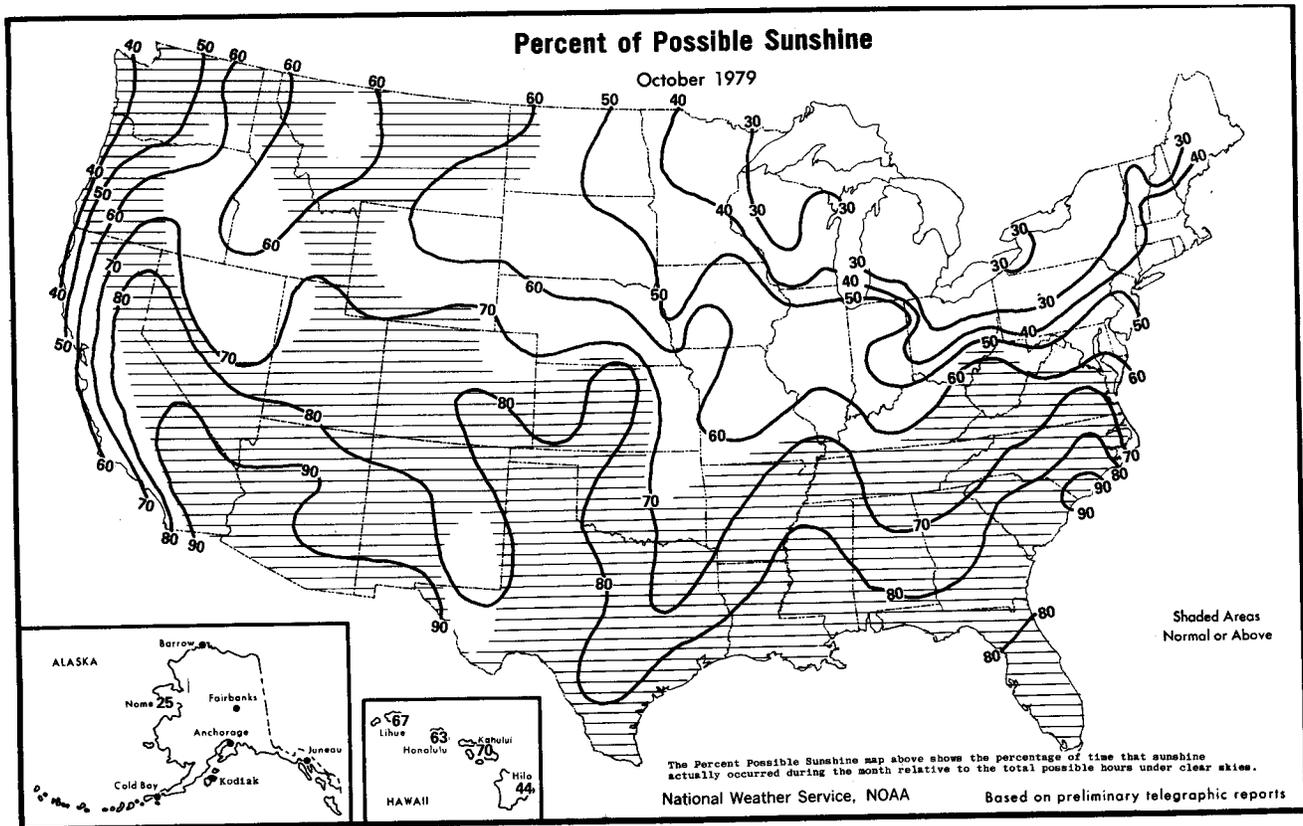
GRAIN SORGHUM			
	1979	1978	AVG.
COLO	76	93	89
KANS	90	96	80
MO	92	91	84
NEBR	90	100	95
OKLA	85	70	80
S DAK	91	100	95
TEX	95	94	94
<b>7 STATES</b>	<b>92</b>	<b>95</b>	<b>88</b>

THESE 7 STATES PRODUCED 92% OF THE 1978 GRAIN SORGHUM CROP.

CORN			
	1979	1978	AVG.
COLO	84	94	94
GA	97	97	92
ILL	93	97	89
IND	85	90	80
IOWA	80	100	92
KANS	91	99	90
KY	92	95	90
MICH	75	89	83
MINN	63	99	98
MO	88	89	82
NEBR	80	95	85
N C	95	100	92
OHIO	85	95	90
PA	70	82	87
S DAK	80	100	94
VA	85	94	87
WIS	60	90	88
<b>17 STATES</b>	<b>82</b>	<b>95</b>	<b>89</b>

THESE 17 STATES PRODUCED 93% OF THE 1978 CORN CROP.

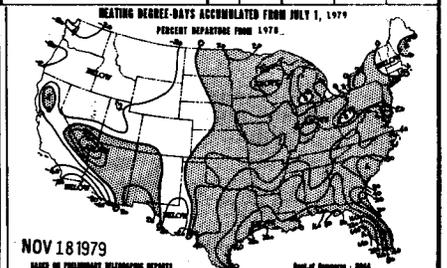
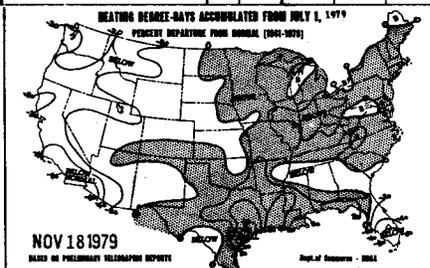
NA NOT AVAILABLE



HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING NOV. 18, 1979.

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1979.

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE\*, SEASONAL ACCUMULATION +, and similar columns for the second and third sections. Rows list various states and cities with their corresponding HDD values.



International Weather and Crop Summary

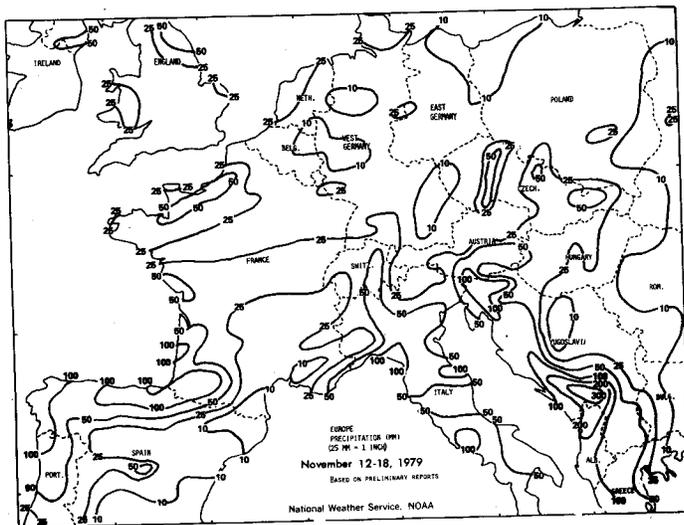
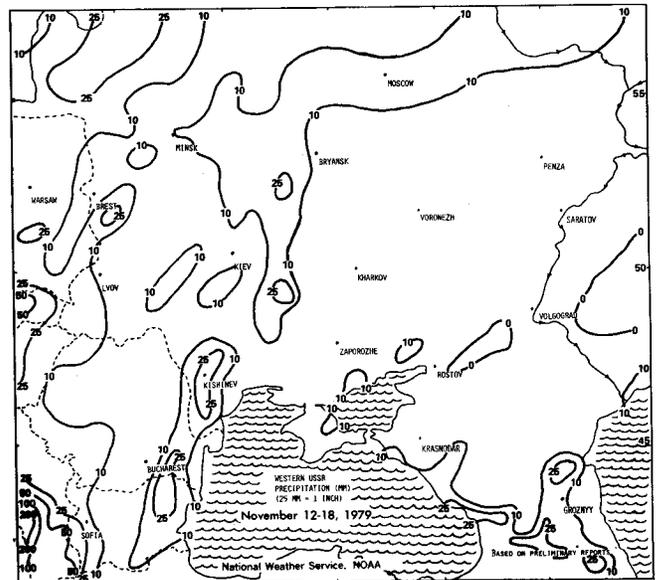
November 12 - 18

HIGHLIGHTS:

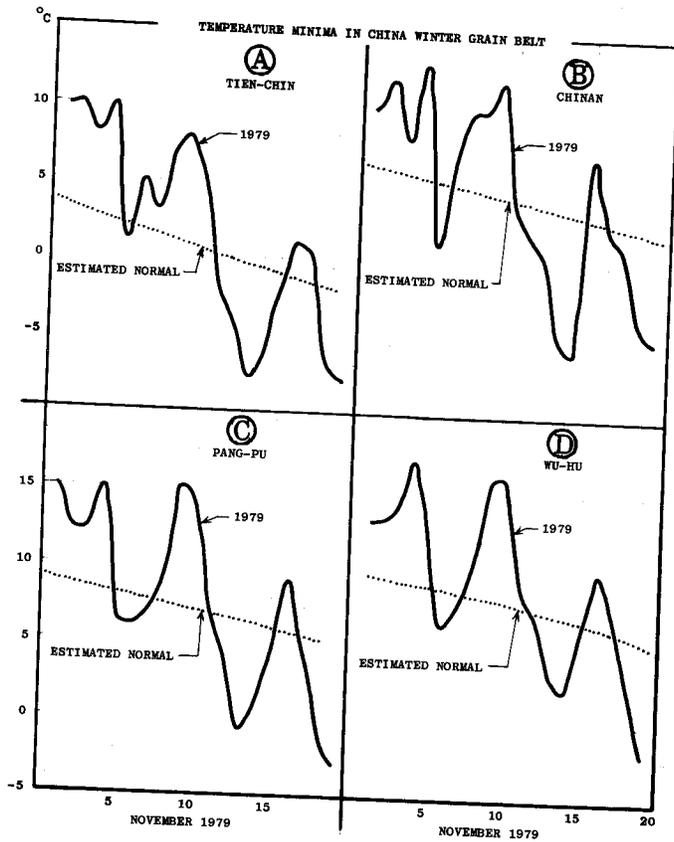
- USSR. Winter grains up to stand...conditions near normal, except for some dry pockets.
- EUROPE. Sowing winter grains in the south\*...generally favorable conditions.
- CHINA. Second rice crop harvest beginning\*...fair weather. Winter wheat sown...beneficial rain in Yangtze Valley, followed by a freeze.
- INDIA. Wheat sowing season\*...still dry in the major portion of the belt.
- AUSTRALIA. Harvesting grain in the north...rains interfering.
- SOUTH AFRICA. Planting maize...beneficial rainfall returns to the southwest.
- ARGENTINA. Maize in vegetative stage\*...good soil moisture.
- BRAZIL. Planting soybeans...good soil moisture.

\*Based on normal crop calendar information.

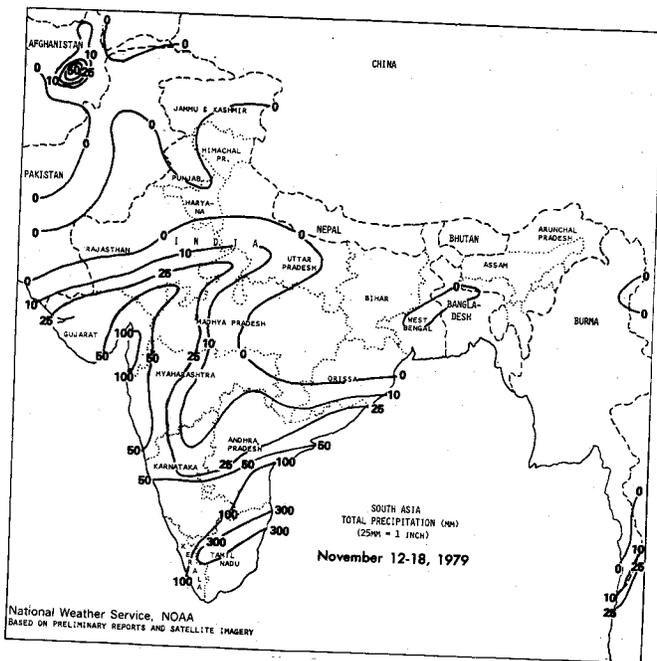
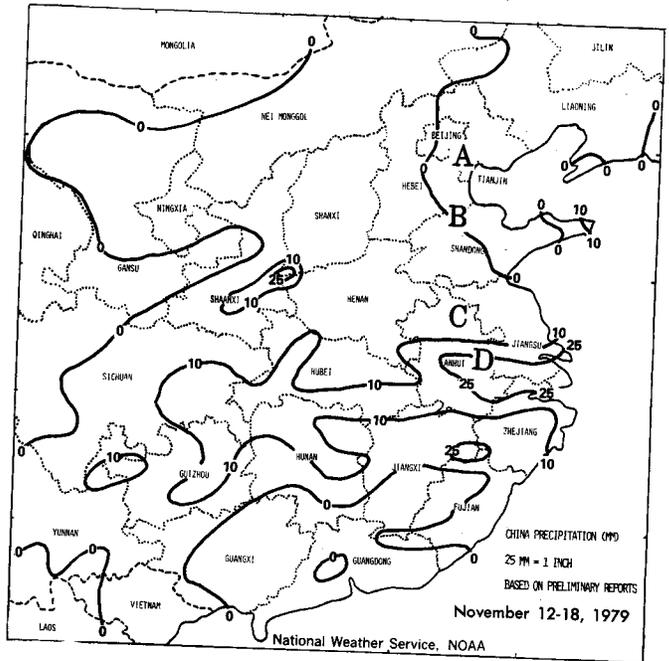
USSR. Precipitation decreased to slightly below normal over most of the Ukraine. Temperatures remained above freezing in most areas, but only in the south did they warm sufficiently for renewal of winter grain growth. Precipitation in the North Caucasus continued below normal for the second consecutive week, but adequate soil moisture and warmer temperatures allowed some growth. Cotton harvesting wound down in the south, with only minor disruption by precipitation during the past week.



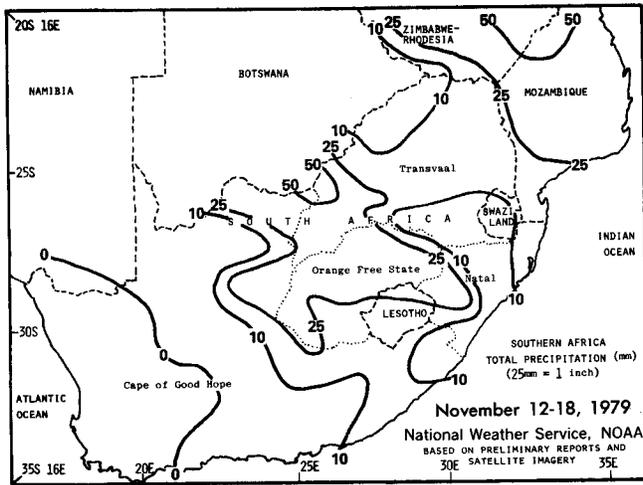
EUROPE. Above-normal precipitation continued over most of Europe, further ameliorating previously dry conditions over large portions of the north-eastern countries. Some dry pockets remained in this area, but crop moisture needs have become minimal this late in the season. Excessive totals fell in southwestern Yugoslavia, central Italy, and parts of Spain and France, but had no substantial negative impacts on agriculture.



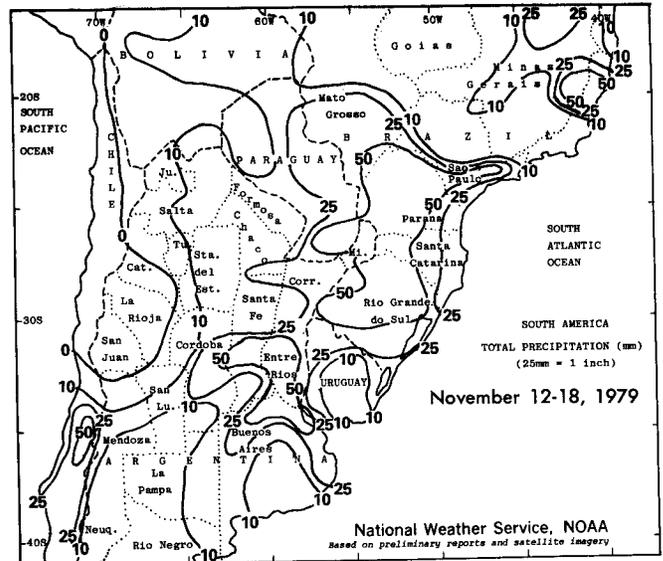
CHINA. A frontal system swept through the North China Plain late in the week bringing above-normal precipitation to the Yangtze Valley and colder temperatures to most agricultural areas. The moisture was needed by the winter wheat, but at week's end subzero Celsius temperatures reached south of the Yangtze River, coming close to breaking records in many locations. Some damage to wheat and vegetables was reported from more-northerly areas.



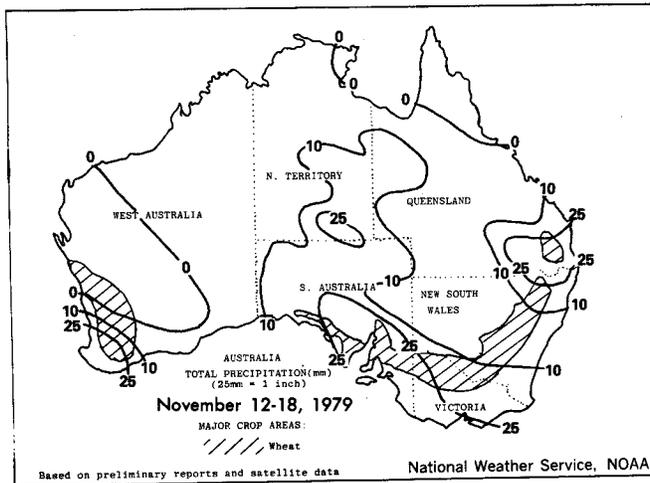
INDIA. A tropical storm developed off the west coast and dumped relatively heavy rainfall in Gujarat, western Maharashtra, western Madhya Pradesh, and eastern Rajasthan. The rains may have caused problems for the harvest of cotton or late peanuts which may still be in progress; rain seldom falls there at this time of year. Only the southern fringe of the wheat belt was touched by beneficial rain from the system. The bulk of the wheat belt received virtually no rainfall, though a substantial amount was reported in the Kashmir Valley. Excessive rain fell in Andhra Pradesh and Tamil Nadu. This area is normally wet in November, and though this week's totals exceeded the monthly norm, they may not have damaged crops.



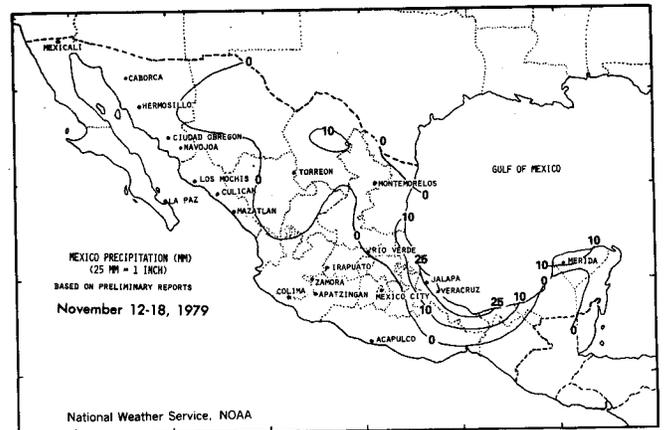
**SOUTH AFRICA.** Renewed rainfall over central and southwestern portions of the Maize Triangle boosted crop prospects. Moderate totals in the northeastern portion maintained generally favorable growing conditions. Only in the south and east was there evidence of somewhat dry soils.



**SOUTH AMERICA.** Soil moisture remained quite good for germination and development of soybeans, as above-normal rainfall continued in most growing areas of southern Brazil. Plantings in western Parana are reportedly complete, and Rio Grande do Sul made good progress despite the rains. Argentine maize-growing areas received moderate rainfall as a follow-up to last week's abundant totals, maintaining good growing conditions. Scattered light rainfall in southern Buenos Aires Province wheat areas still benefited the maturing crop; light frost during the previous week may have caused some damage to that wheat which was still in the heading stage.



**AUSTRALIA.** Above-normal rainfall continued to plague the maturing wheat crop. Disruption of harvest activities in Queensland and northeastern New South Wales abated only slightly, and the week's totals ranged up to twice normal November rainfall in South Australia and Victoria. Warm, dry weather followed the downpours, but some damage probably occurred.



**MEXICO.** Light rain finally fell over the northern interior. This very dry livestock producing area has not received any significant rain since July. The eastern citrus belt was dampened by beneficial light rains in the northern portion, and moderate amounts fell around Jalapa and Veracruz. Dry conditions continued over most of the west and south. The shortage of soil moisture intensified in the southern interior and was likely hurting some crop and livestock production. Culiacan's afternoon temperature maxima averaged 29°C with a relative humidity of 42 percent; overnight minima were 16°C with an 80-percent humidity.

Agricultural Weather Facility  
USDA South Bldg., Room 1248  
Washington, D.C. 20250

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