

U. S. DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS  
AND  
U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

NEBR. DEPT. OF AGR. & INSPECTION  
DIVISION OF AGR'L STATISTICS  
AND  
AGRICULTURAL EXTENSION SERVICE  
OF NEBR. COLLEGE OF AGR.

NEBRASKA WEEKLY WEATHER AND CROP REPORT

RELEASED 6/14/1949

WEEK ENDING 6/13/49

WEATHER THE WEEK WAS CLOUDY AND A LITTLE WARMER THAN NORMAL. RAINFALL RANGED FROM ONLY MODERATE IN THE EXTREME NORTH TO EXCESSIVE OVER MUCH OF THE EXTREME SOUTH AND CENTRAL PORTIONS OF THE STATE. HUMIDITY WAS VERY HIGH, AND THERE WAS LITTLE EVAPORATION.

CROPS ABOUT 93% OF THE CORN WAS PLANTED UP TO LAST SATURDAY AS COMPARED TO 89% A WEEK EARLIER. WITH FEW EXCEPTIONS, THE UNPLANTED FIELDS ARE MOSTLY BOTTOM LANDS AND LOW WET SPOTS. HEAVY WASHING RAINS WILL NECESSITATE SOME REPLANTING DUE TO THE WASHING OUT OR COVERING UP OF CORN. CONDITION OF CORN IS REPORTED THE SAME AS A WEEK AGO. CORN NEEDS SUNSHINE AND DRIER WEATHER AS SOME OF IT IS QUITE WEEDY. SOME REPORTS INDICATE A SPOILAGE OF CORN THAT IS PILED OUTSIDE DUE TO THE MOISTURE FROM HEAVY SNOWS LAST WINTER AND HEAVY RAINS OF THE PAST MONTH OR TWO.

THE JUNE 1 OFFICIAL ESTIMATE OF WINTER WHEAT OF 71,079,000 BUSHELS REFLECTED THE IMPROVEMENT DURING MAY. WHEAT STOOLED OUT WELL AND LOOKED QUITE PROMISING UNTIL THE ATTACK FROM GREEN BUGS (PLANT APHIDS) AND LATER BY ORANGE LEAF RUST WHICH WAS PRESENT ABOUT THE TIME WHEAT STARTED TO HEAD. ABNORMAL MOISTURE CONDITIONS WERE HIGHLY FAVORABLE FOR THE DEVELOPMENT OF ORANGE LEAF RUST WHICH IS VERY SEVERE IN SOUTH CENTRAL NEBRASKA. SOME OF THE RUST IS NOW IN THE BLACK STAGE WHICH LED A FEW TO BELIEVE IT IS BLACK STEM RUST. A TRACE OF BLACK STEM RUST WAS OBSERVED LAST WEEK. IF THE WEATHER TURNS DRY, IMPROVEMENT OF THE WHEAT THAT HAS NOT BEEN DAMAGED SO BADLY FROM ORANGE LEAF RUST MIGHT OFFSET THE DAMAGE FROM THE BADLY AFFECTED AREAS OF SOUTH CENTRAL NEBRASKA. ON THE OTHER HAND, DRY WEATHER AND WINDS FROM THE SOUTH WHERE BLACK STEM RUST IS PRESENT MIGHT LEAD TO INFECTATION FROM THAT SOURCE AND DAMAGE WHEAT THAT IS STILL GREEN.

THE JUNE 1 ESTIMATE OF OATS WAS 74,588,000 BUSHELS. RETURNS INDICATE SERIOUS DETERIORATION OF OATS DUE TO SEVERE INFESTATION OF GREEN BUGS, (PLANT APHIDS), LACK OF SUNSHINE AND LACK OF NITRATES IN FIELDS OF LOW FERTILITY. THE OUTLOOK FOR SOME OF THE OATS IS SO POOR, THEY ARE BEING ABANDONED. BARLEY, ESTIMATED AT 9,860,000 BUSHELS, HAS RECEIVED A SET BACK ALSO FOR THE SAME ADVERSE CONDITIONS THAT HAVE AFFECTED THE OATS. THE RYE CROP IS FARING SOMEWHAT BETTER THAN THE OTHER SMALL GRAIN CROPS.

ABOUT 50% OF THE SORGHUM CROP HAS BEEN PLANTED. THE ABANDONMENT OF OATS AND SOME WHEAT, MAY RESULT IN AN INCREASED ACREAGE OF SORGHUM OR FORAGE CROPS. WET WEATHER IS DELAYING PLANTING OF THE LATE COMMERCIAL POTATO CROP IN WESTERN NEBRASKA. REPORTS ON THE FARM POTATO CROP ARE STILL FAVORABLE.

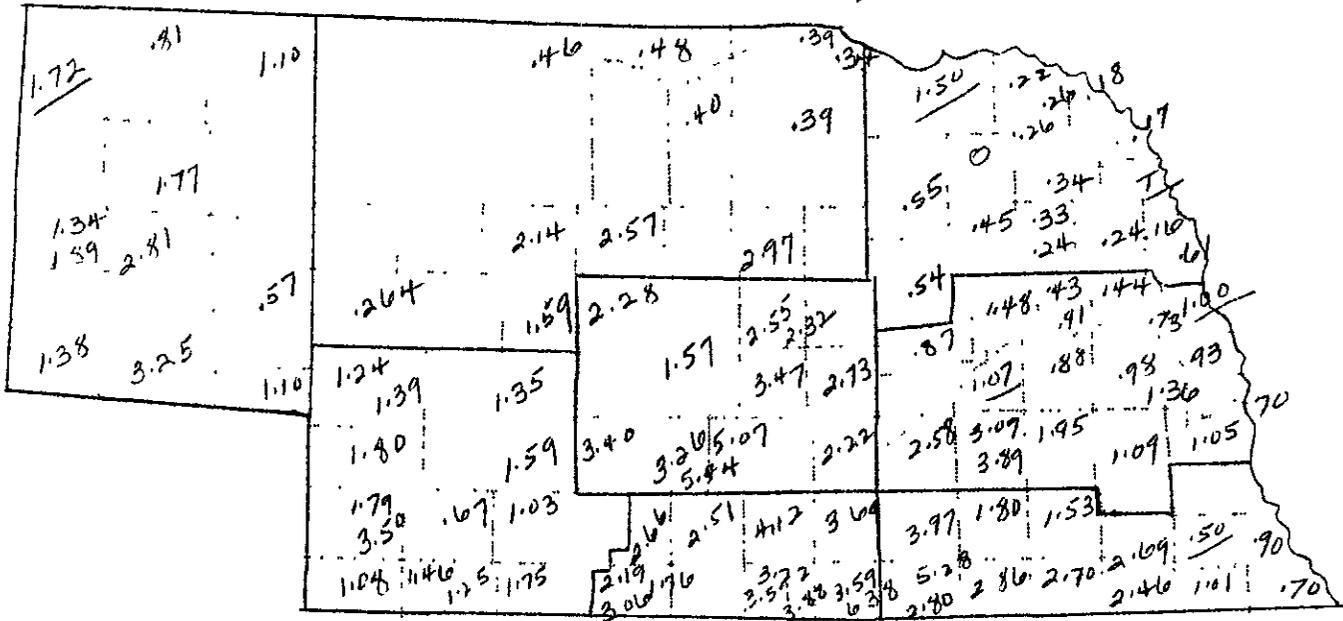
HARVEST OF THE FIRST CROP OF ALFALFA CONTINUES IN NORTHERN AND WESTERN PORTIONS OF THE STATE. RAINY, WET WEATHER HAS INTERFERED WITH THE HARVEST AND LOWERED THE QUALITY OF THE HEAVY CROP. SOIL MOISTURE CONDITIONS ARE HIGHLY FAVORABLE FOR THE SECOND CROP AND PRESENT INDICATIONS ARE THAT THIS CROP WILL ALSO BE VERY HEAVY. REPORTS ON THE WILD HAY CROP ARE HIGHLY FAVORABLE. GRASS HAS MADE EXCELLENT GROWTH. MOISTURE FROM THE HEAVY SNOWS LAST WINTER AND HEAVY RAINS THIS SPRING HAS RAISED THE WATER LEVEL SO THAT LESS OF THE HAY IN THE LOW LANDS WILL BE HARVESTED. THAT WILL NECESSITATE CUTTING IN THE SAND HILLS ON HIGHER LEVELS.

CONDITION REPORTS OF HAY AND PASTURE JUNE 1 AND THE 10 YEAR AVERAGE ARE AS FOLLOWS: ALFALFA HAY, 96% AND 78%; ALFALFA HAY, 97% AND 81%; CLOVER AND TIMOTHY HAY, 93% AND 82%; WILD HAY, 97% AND 78%; PASTURE, 97% AND 78%. SELDOM IF EVER HAS THE CONDITION OF PASTURE BEEN ANY BETTER FOR THIS DATE. GROWTH OF GRASS IN THE SAND HILLS IS VERY OUTSTANDING.

SUMMING UP THE SITUATION, RAINFALL, SURFACE MOISTURE AND SUBSOIL MOISTURE IS REPORTED EITHER AMPLE OR SURPLUS THROUGHOUT THE STATE. ALSO THE SUPPLY OF FEED GRAINS, RANGE AND PASTURE IS REPORTED AMPLE OR SURPLUS. ALL HAY AND PASTURE CROPS HAVE RESPONDED TO THE EXCELLENT MOISTURE CONDITIONS BUT THE PRESENT OUTLOOK FOR SMALL GRAIN CROPS IS POOR. FAVORABLE WEATHER BETWEEN NOW AND HARVEST MIGHT BRING SOME IMPROVEMENT AND OFFSET TO SOME EXTENT THE DAMAGE SUSTAINED. LIKE SMALL GRAIN CROPS, CORN NEEDS SUNSHINE AND DRIER WEATHER SO THE FIELDS CAN BE TILLED. THE RESERVE SUPPLY OF SUBSOIL MOISTURE FOR CORN HAS SELDOM IF EVER BEEN BETTER. EXCESSIVE WET WEATHER HAS BEEN DETRIMENTAL TO GRASSHOPPERS AND CHINCH BUGS BUT HIGHLY FAVORABLE FOR GREEN BUGS, CUT WORMS AND THE DEVELOPMENT OF RUST.

1450  
-6-14-49

PRECIPITATION FOR WEEK ENDING JUNE 10, 1949



HIGHEST AND LOWEST TEMPERATURES (FOR 24 HRS. ENDING 6:30 A.M.)

		JUNE													
		7TH		8TH		9TH		10TH		11TH		12TH		13TH	
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
NW	CHADRON	66	52	56	54	69	54	76	53	84	58	87	59	79	49
	SCOTTSBLUFF	65	52	56	52	73	53	76	50	82	56	84	57	78	55
	SIDNEY	65	52	57	52	69	54	76	50	79	54	83	54	77	54
N-C	BURWELL	82	50	58	52	69	51	74	64	77	64	83	64	84	57
	VALENTINE	74	52	56	52	72	59	76	59	81	61	85	64	76	52
NE	NORFOLK	83	54	63	58	69	63	77	63	80	63	85	68	87	60
	SIOUX CITY	82	55	72	68	73	60	79	59	86	62	89	67	91	61
GEN	GRAND ISLAND	84	54	62	55	70	59	80	63	81	62	85	66	85	61
E-C	LINCOLN	85	55	67	58	75	64	78	63	80	63	85	67	86	67
	OMAHA	88	61	71	62	75	62	78	62	85	64	88	69	87	66
SW	HAYES CENTER	77	55	59	54	68	55	75	57	78	59	83	62	83	59
	NORTH PLATTE	77	54	60	53	67	56	75	57	76	58	82	63	82	58

(ISSUED BY THE WEATHER BUREAU AND THE STATE AND FEDERAL DEPARTMENTS OF AGRICULTURE.)

WEATHER BUREAU TELEGRAPHIC REPORT OF PRECIPITATION FOR THE WEEK ENDING JUNE 13, 1949

EASTERN DIVISION		EASTERN DIV., CONT		CENTRAL DIVISION		WESTERN DIVISION	
ALBION	1.33	HASTINGS	3.88	BROKEN BOW	2.80	ALLIANCE	1.70
AUBURN	1.44	LINCOLN	1.73	BURWELL	4.01	CHADRON	.58
BEATRICE	2.68	NORFOLK	1.75	CAMBRIDGE	2.64	CULBERTSON	1.58
COLUMBUS	1.53	OAKDALE	1.57	HOLDREGE	2.34	HAYES CENTER	1.14
FAIRBURY	2.18	OMAHA	1.05	NORTH LOUP	2.73	KIMBALL	1.34
FAIRMONT	4.25	RED CLOUD	3.03	NORTH PLATTE	2.48	SCOTTSBLUFF	1.25
FALLS CITY	1.40	ST. PAUL	3.01	O'NEILL	.91	SIDNEY	3.93
FREMONT	1.02	TEKAMAH	.74	RAVENNA	4.64		
GRAND ISLAND	2.07	WAKEFIELD	.58	VALENTINE	.64		
HARTINGTON	.92	YORK	3.30				
AVERAGE THIS WEEK		1.99		2.58		1.65	
TOTAL SINCE APR. 1		9.80		9.43		7.94	
NORMAL SINCE APRIL 1		8.58		7.30		6.30	

TOTAL PRECIPITATION FOR COLUMBUS FOR PRECEDING WEEK SHOULD HAVE BEEN 2.10 INSTEAD OF .21 AVERAGE EASTERN DIVISION SHOULD HAVE BEEN 1.42 AND TOTAL SINCE APRIL 1st 7.90.