

THE 1964 WHEAT CROP UP 12 PERCENT FROM 1963 PRODUCTION

The 1964 wheat crop of 73,825,000 bushels was up 12 percent over the 1963 production and 6 million bushels below the 5-year (1958-62) average. Yield per acre of 25.0 bushels was up 3.5 bushels from the 1963 average. Drouth conditions reduced the yield per acre in the central and south central counties but in the southeast, yields were above average. In the northwest, returns per acre were higher than anticipated. Harvest of the crop over most of the State was the earliest of record except in the northwest where completion was about at the usual time.

The yield of the varieties showed less variation within localities than usual. Yield per harvested acre developed from the survey represents an over-all average by districts and for the State. They do not offer a valid comparison of yield by varieties such as is obtained by growing the varieties under similar or controlled conditions of experimental plots. They do, however, reflect the harvested yields obtained under the varied conditions that prevailed during the growing season.

Of the predominant varieties, Ottawa again had the highest yield followed by Scout and Rodco. In the northwest area, Warrior and Lancer had yields of 25.0 bushels followed by Nebred and Cheyenne. In the southeast, where high yields of all varieties were recorded, Ottawa with 32.7 bushels per acre was the leader followed by Wichita with 32.0. In 1962, Wichita had the highest yield for the State but fell to near the bottom in 1963 and was near the same position in 1964. Two new varieties, Scout and Lancer, while grown on a limited acreage and with only a few reports, indicated high yielding capabilities with Lancer equaling the State average and Scout running slightly higher at 26.5 bushels. Not enough reports were received on the Gage variety to make a fair estimate of the yield.

NEBRASKA--WHEAT YIELDS PER HARVESTED ACRE BY VARIETIES--1964
By Crop Reporting Districts

Variety	North	North	North	East	South	South	South	State	
	West	Central	East	Central	Central	West	Central		
	<u>Bushels per Harvested Acre</u>								
Warrior	25.0	-	16.7	22.0	25.0	23.1	26.0	-	24.3
Ottawa	-	-	25.0	23.2	28.6	30.0	25.0	32.7	30.5
Omaha	20.0	22.0	19.2	24.4	25.0	25.0	26.0	27.5	25.4
Pawnee	20.0	24.5	14.0	18.1	24.3	22.2	22.5	28.6	24.5
Cheyenne	24.2	20.7	-	12.3	20.7	20.1	17.6	15.0	22.5
Nebred	24.4	13.8	12.1	18.0	25.0	20.0	21.1	23.1	21.9
Bison	20.1	26.6	-	24.0	16.5	20.0	18.8	22.8	20.7
Wichita	20.1	-	-	21.6	23.7	19.5	21.5	32.0	21.4
Triumph	-	-	-	-	21.0	21.0	20.0	24.0	22.4
Scout	-	-	-	-	-	-	26.0	27.0	26.5
Rodco	-	-	-	24.0	22.0	20.0	24.6	28.9	26.1
Lancer	25.0	-	-	-	-	-	-	-	25.0
Other and									
Unknown	23.7	12.9	19.7	21.5	20.9	22.4	24.1	32.1	25.9
All	24.5	18.6	13.8	22.3	25.7	21.6	23.5	30.5	25.0

TEST WEIGHT FOR THE 1964 CROP UP SLIGHTLY FROM A YEAR EARLIER

Test weight of the 1964 crop at 59.9 lbs. is up slightly from the 59.8 lbs. of a year earlier. There was only slight variation in the test weights of the grain within localities. The lowest test weight was in the Northeast District while in the Northwest and Southeast Districts, test weight ran as high as 60.4 lbs. per bushel.

Two new varieties, Scout and Lancer, had the highest test weights but only a limited number of returns were received for these two crops. Wichita, while being a low-yielding variety this year, had a test weight of 60.7 and was followed by Warrior and Ottawa with 60.2 lbs. per bushel.

NEBRASKA--TEST WEIGHTS BY VARIETIES--1964 WHEAT CROP
By Crop Reporting Districts

Variety	North	North	North	East	South	South	South	State	
	West	Central	East	Central	Central	West	Central		
	<u>Pounds per Bushel</u>								
Warrior	60.5	-	56.0	57.9	55.3	59.9	60.3	-	60.2
Ottawa	-	-	57.0	58.7	59.4	60.6	60.2	60.6	60.2
Omaha	60.9	60.0	57.9	59.5	58.4	59.9	60.1	60.5	59.5
Pawnee	60.3	58.5	56.5	59.0	57.9	60.2	59.9	59.8	59.2
Cheyenne	60.1	60.0	-	-	-	59.6	59.8	-	59.9
Nebred	60.5	59.0	57.3	58.3	56.9	59.7	59.6	60.5	59.8
Bison	60.9	60.0	-	57.8	57.6	60.0	60.3	60.2	59.8
Wichita	60.8	-	-	-	60.4	60.6	61.0	60.1	60.7
Triumph	-	-	-	-	59.8	59.2	60.0	61.1	60.4
Scout	-	-	-	-	-	-	62.2	62.5	62.4
Rodco	-	-	-	59.0	59.0	58.0	60.2	60.3	60.1
Lancer	61.8	-	-	-	-	-	-	-	61.8
Other and									
Unknown	60.8	53.0	57.0	51.1	57.8	60.4	60.8	60.6	60.0
All	60.4	59.1	57.4	58.8	58.7	59.9	60.2	60.4	59.9

QUALITY FACTORS OF THE 1964 WINTER WHEAT CROP

PROTEIN CONTENT OF THE 1964 CROP SLIGHTLY HIGHER THAN THAT OF 1963

Protein content of the 1964 wheat crop was 12.5 percent, up slightly from the 12.3 percent of 1963. Rodco was the leading variety with a high protein of 13.7 percent followed by Triumph with 12.9 percent. There were only a limited number of returns of the new variety, Scout, showing a protein content of 11.8. This may be on the low side and may not be representative for this variety.

Protein content was the highest in the southeast area of the State with 12.9 percent, while the southwest with 12.1 was the lowest.

NEBRASKA--PROTEIN CONTENT BY VARIETIES AND
BY CROP REPORTING DISTRICTS

Variety	North	North	North	Central	East	South	South	South	State
	West	Central	East	Central	Central	West	Central	East	
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Warrior	12.4	---	---	---	---	11.9	11.1	---	12.2
Ottawa	---	---	---	11.9	12.5	13.1	13.2	12.5	12.5
Omaha	12.0	11.0	12.6	12.5	12.6	12.8	12.2	13.8	12.8
Pawnee	---	---	11.6	11.8	11.6	10.8	12.3	13.4	12.4
Cheyenne	12.7	---	---	---	---	12.0	11.7	---	12.4
Nebred	12.7	14.0	---	12.5	---	11.6	---	11.8	12.4
Bison	12.8	---	---	13.7	---	12.8	---	11.0	12.8
Wichita	11.2	---	---	---	---	12.5	12.4	13.0	12.4
Triumph	---	---	---	---	11.6	13.4	---	13.9	12.9
Scout	---	---	---	---	---	---	12.0	11.6	11.8
Rodco	---	---	---	---	---	13.6	13.7	13.8	13.7
Lancer	---	---	---	---	---	---	---	12.2	12.2
Other and Unknown	12.5	---	---	---	12.5	12.2	15.0	12.5	12.8
All	12.5	12.3	12.4	12.5	12.3	12.1	12.4	12.9	12.5

SEDIMENTATION VALUE UP SLIGHTLY FROM A YEAR EARLIER

The sedimentation value as reported at 50 is up one point from a year earlier. Returns were limited on sedimentation values as tests were made generally only on that wheat going under loan. Rodco with a value of 62 was the highest reported followed closely by Omaha with 56 and Ottawa with 55. A year earlier, the sedimentation value for Omaha was 52 and for Ottawa 48. There is far greater variability in the sedimentation value than in the protein value and test weight.

NEBRASKA--SEDIMENTATION VALUE BY VARIETIES AND
BY CROP REPORTING DISTRICTS

Variety	North	North	North	Central	East	South	South	South	State
	West	Central	East	Central	Central	West	Central	East	
SEDIMENTATION VALUE									
Warrior	51	--	--	--	--	42	47	--	48
Ottawa	--	--	--	71 /1	54	58	49	55	55
Omaha	--	--	--	--	54	46	53	61	56
Pawnee	--	--	--	38 /1	29	--	52	50	43
Cheyenne	44	--	--	--	--	40	50	--	43
Nebred	54	--	--	--	--	--	--	42	54
Bison	41	--	--	64 /1	--	54	--	--	54
Wichita	--	--	--	--	--	43	--	40	42
Triumph	--	--	--	--	48	--	--	--	48
Scout	--	--	--	--	--	--	67	33	50
Rodco	--	--	--	--	--	68	61	64	62
Lancer	--	--	--	--	--	--	--	--	--
Other and Unknown	--	--	--	--	--	--	56	59	58
All	49	--	--	54	47	44	52	55	50

/1 Very few reports. Not considered representative.

NEBRASKA--WHEAT QUALITY--1962, 1963 AND 1964 CROPS

Variety	Reported Test Weight per Bushel			Reported Protein Content			Sedimentation Value		
	1962	1963	1964	1962	1963	1964	1962/1	1963/1	1964
Warrior	56.1	60.1	60.2	10.9	12.0	12.2	34	44	48
Ottawa	2/	60.2	60.2	2/	12.8	12.5	2/	48	55
Omaha	2/	60.0	59.5	2/	12.7	12.8	2/	52	56
Pawnee	56.8	59.5	59.2	10.6	12.7	12.4	30	45	43
Cheyenne	54.9	59.1	59.9	10.5	12.4	12.4	32	47	43
Nebred	53.3	59.7	59.8	11.1	12.2	12.4	32	51	54
Bison	55.8	60.1	59.8	11.8	12.6	12.8	47	53	54
Wichita	59.2	60.5	60.7	11.9	12.4	12.4	38	42	42
Triumph	2/	39.5	60.4	2/	13.2	12.9	2/	46	48
Scout	2/	---	62.4	2/	---	11.8	2/	--	50
Rodco	2/	---	60.1	2/	---	13.7	2/	--	62
Lancer	2/	---	61.8	2/	---	12.2	2/	--	--
Other and Unknown	2/	59.6	60.0	2/	12.4	12.8	2/	49	58
All	55.9	59.8	59.9	11.1	12.3	12.5	37	49	50

1/ As determined by samples of farm and commercial stored wheat tested by the Agricultural Stabilization and Conservation Service. Sedimentation classified by varieties where identified. Minor mixed or unknown varieties included in State total.
 2/ Not available.

WHEAT QUALITY 1/

State	Test Weight Per Bu.			Protein Content			Sedimentation Value		
	1962	1963	1964	1962	1963	1964	1962	1963	1964
	Pounds			Percent					
Nebraska	55.9	59.8	59.9	11.1	12.3	12.5	37	49	50
Colorado	61.1	60.4	60.7	12.2	12.9	12.8	43	48	43
Kansas	61.1	61.9	61.2	11.7	12.1	12.2	49	50	52

1/ Colorado data obtained from samples of wheat collected at country elevators.
 Kansas data were obtained from carlot shipments to terminal markets.

NEBRASKA--WHEAT VARIETIES--1964 CROP

ESTIMATED PERCENTAGES PLANTED TO EACH VARIETY BY CROP REPORTING DISTRICTS

Districts	Warrior	Ottawa	Omaha	Pawnee	Cheyenne	Nebred	Bison	Wichita	Triumph	Other and Unknown	All Varieties
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Northwest	53.9	----	.2	.1	28.8	11.1	2.2	1.9	----	1.8	100
N. Central	----	----	31.3	12.5	6.2	37.6	6.2	----	----	6.2	100
Northeast	3.2	12.9	54.9	16.1	----	3.2	----	----	3.2	6.5	100
Central	9.7	5.9	44.6	15.6	----	12.9	8.1	----	----	3.2	100
E. Central	.4	34.8	26.7	26.3	----	1.9	3.1	.6	3.7	2.5	100
Southwest	39.4	.8	.6	1.1	22.9	8.4	15.9	7.4	.5	3.0	100
S. Central	6.3	10.8	25.5	26.9	4.4	4.0	7.0	7.3	.2	7.6	100
Southeast	----	51.1	15.4	18.4	----	.5	1.4	1.6	3.4	8.2	100
State	22.6	17.4	14.1	12.6	12.3	6.3	5.9	3.3	1.4	4.1	100

NEBRASKA--WHEAT ACREAGE PLANTED BY VARIETIES BY CROP REPORTING DISTRICTS
1964 CROP

Districts	Warrior	Ottawa	Omaha	Pawnee	Cheyenne	Nebred	Bison	Wichita	Triumph	Other and Unknown	All Varieties
	T h o u s a n d A c r e s										
Northwest	434	----	2	1	232	89	16	15	----	14	805
N. Central	----	----	5	2	1	6	1	----	----	1	16
Northeast	1	4	17	5	----	1	----	----	1	2	31
Central	18	11	83	29	----	24	15	----	----	6	186
E. Central	2	179	137	135	----	10	16	3	19	13	514
Southwest	250	5	4	7	145	53	101	47	3	19	634
S. Central	27	46	109	115	19	17	30	31	1	32	427
Southeast	----	318	96	114	----	3	9	10	21	51	622
State	732	563	453	408	397	203	190	106	45	138	3,235

NEBRASKA--WHEAT VARIETIES--1965 CROP

ESTIMATED PERCENTAGES PLANTED TO EACH VARIETY BY CROP REPORTING DISTRICTS

Districts	Warrior	Ottawa	Cheyenne	Omaha	Pawnee	Nebred	Bison	Wichita	Scout	Other and Unknown	All Varieties
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Northwest	49.8	----	26.2	.6	.1	14.6	2.9	1.8	.1	3.9	100
N. Central	12.5	----	----	18.8	6.2	37.5	18.8	----	----	6.2	100
Northeast	----	28.6	----	50.0	10.7	3.0	----	----	----	7.1	100
Central	8.4	12.3	----	44.0	16.8	8.9	5.0	.6	.6	3.4	100
E. Central	.2	51.0	----	19.6	14.6	2.3	1.8	.8	1.3	8.4	100
Southwest	29.7	3.1	19.9	.8	.9	11.1	18.5	10.0	.5	5.5	100
S. Central	7.6	17.5	3.7	25.1	22.3	1.8	4.1	6.4	4.6	6.9	100
Southeast	----	59.5	.3	12.5	12.9	.8	1.1	1.3	2.4	9.2	100
State	21.9	21.2	12.2	11.2	8.2	7.5	6.1	3.8	1.4	6.2	100

NEBRASKA--WHEAT ACREAGE PLANTED BY VARIETIES BY CROP REPORTING DISTRICTS
1965 CROP 1/

Districts	Warrior	Ottawa	Cheyenne	Omaha	Pawnee	Nebred	Bison	Wichita	Scout	Other and Unknown	All Varieties
	T h o u s a n d A c r e s										
Northwest	487	----	256	6	1	143	28	18	1	38	978
N. Central	2	----	----	3	1	6	3	----	----	1	16
Northeast	----	8	----	14	3	1	----	----	----	2	28
Central	15	22	----	79	30	16	9	1	1	6	179
E. Central	1	236	----	91	66	11	9	4	6	39	463
Southwest	219	23	147	6	7	82	137	74	4	41	740
S. Central	33	76	16	109	97	8	18	28	20	30	435
Southeast	----	370	2	78	60	5	7	8	15	57	622
State	757	735	421	386	285	272	211	133	47	214	3,461

1/ Preliminary.