

1967

## EC67-174 Crop Information for Western Nebraska

C. Fenster

L. Leininger

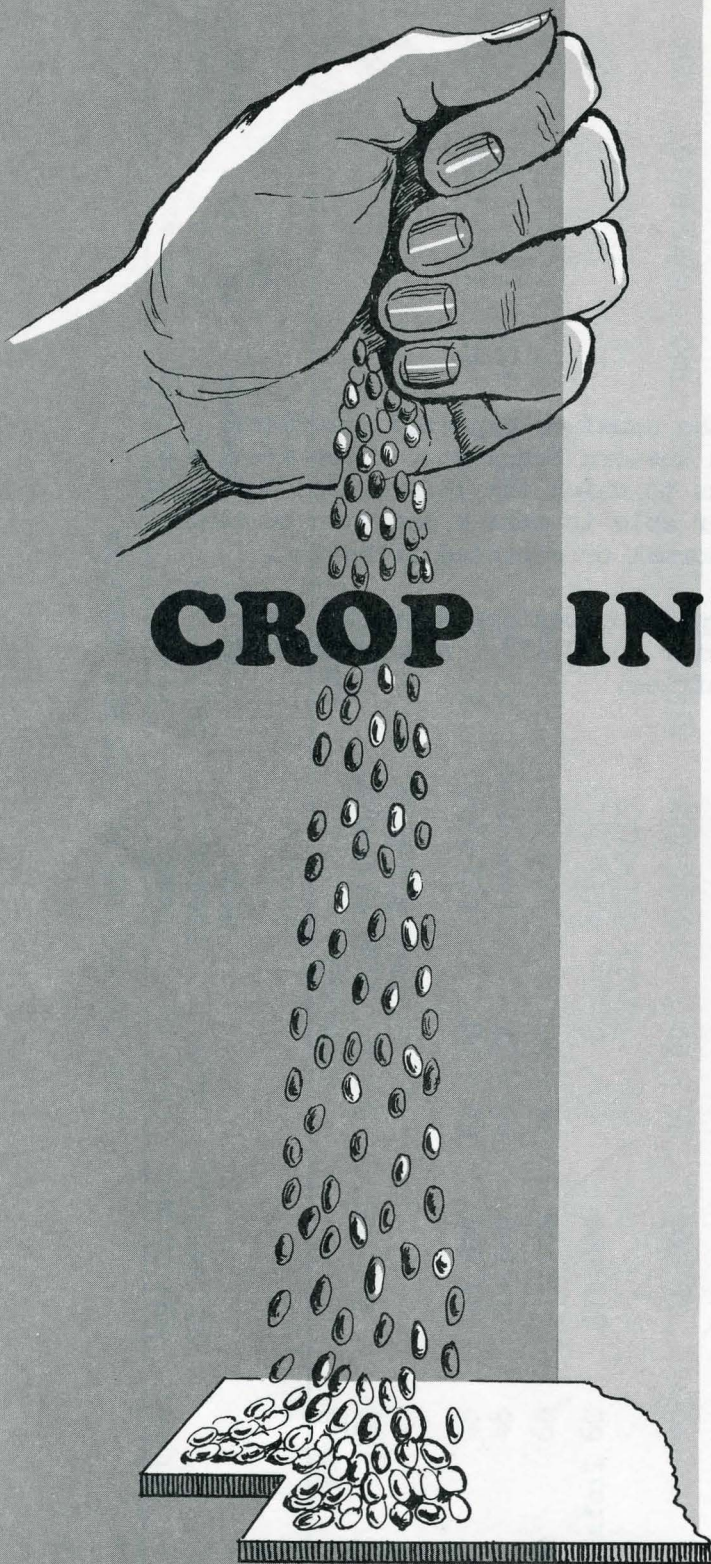
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# **CROP INFORMATION**

## **FOR**

### **WESTERN**

### **NEBRASKA**

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This circular gives information on the usual or expected practices of planting and harvesting crops grown in western Nebraska. There are many special or unique cropping situations to which the information does not apply, but the reader should be better able to make a decision on these situations when using data based upon a normal or expected situation.

This is not a list of recommended crops for western Nebraska. For information about crops and varieties, refer to CC 178. A copy is available from your County Extension Agent's office.

## CROP INFORMATION FOR WESTERN NEBRASKA

Crop	Wt/bu.	Approximate no. seed/lb.	Seeding Rate	Usual Planting Date	Seeding Depth-Soil Cover <u>d</u> /	Planting to Harvest	Most Active Harvest Dates	Cylinder Speed <u>e</u> /	Safe Storage Moisture Content
	(lb.)		(lb/Acre)		(inches)	(days)		(rpm)	(%)
Alfalfa	60	200,000	3 - 8	spg. 4/15-5/15 fall 8/1-8/15	1/2			1050	---
Barley									
spring	48	14,000	60 - 90	4/1-4/30	1 - 2	70 - 80	7/15-7/30	1050	12.5
winter	48	14,000	48 - 72	(see wheat)	1 - 2	270 - 310	7/5- 7/20	1050	12.5
Beans, field	60	1,900	55 - 80	5/25-6/5 <sup>a</sup>	1 1/2-3	90 - 110	9/10-9/25	300	12.0
Birdsfoot trefoil	60	375,000	5 - 8	spg. 4/15-5/15 fall 8/1-8/15	1/2			1050	---
Buckwheat	48	15,000	36 - 60	5/20-6/20	3/4 - 1	90 - 100	8/25-9/10	750	---
<b>w</b> Corn (irrigated),									
grain	56	1,200	18 - 20	4/20-5/20	1 - 3	100 - 120	10/20-11/20	500	13.0
forage	56	1,200	18 - 20	4/20-6/1	1 - 3	85 - 100	9/1-9/25	---	---
Corn (dryland),									
grain	56	1,200	6 - 8	4/20-5/15	1 - 3	90 - 110	10/20-11/20	500	13.0
forage	56	1,200	8 - 10	4/20-5/15	1 - 3	85 - 100	9/1-9/25	---	---
Clover				spg. 4/15-5/15 fall 8/1-8/15	1/2				
Alsike	60	700,000	6 - 8					1050	
Red	60	275,000	6 - 8						
Sweet	60	260,000	8 - 10						
White	60	800,000	1 - 4						
Crambe	22	45,000	8 - 12	4/15-4/30	3/4 - 1	90 - 100	8/1-8/15	800	---
Flax (irrigated)	56	90,000	20 - 30	3/25-4/20	1/2 - 3/4	90 - 115	8/15-8/30	900	11.0



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	(lb.)		(lb/Acre)		(inches)	(days)		(rpm)	(%)
Hairy vetch	60	20,000	60 - 70 w/rye 15#	(same as rye)	1 - 2	---	---	---	---
Millet Proso	56	82,000	10 - 20	5/20-6/20 <sup>b</sup> / catch crop 7/10	1/2 - 3/4	70 - 90	9/5-9/20	800	12.0
Foxtail	50	220,000	10 - 20	5/20-6/20 <sup>b</sup> / catch crop 7/10	1/2 - 3/4	70 - 90	9/1-9/15	800	12.0
Mustard (oil crop)	58	100,000	4 - 6	4/15-4/30	1/2 - 3/4	90 - 100	8/1-8/15		---
Oats	32	13,000	50 - 70	4/1-4/30	1 - 2	90 - 115	7/5-7/30	1050	12.0
Onions	--	--	2 - 3	4/1-4/15	1/4 - 1	140 - 160	9/1-9/15		---
Potatoes									
early	60		1500-2000	4/10-5/15	4	95 - 120	8/1-8/10		---
late	60		1500-2000	5/15-6/15	4	95 - 120	9/25-10/10		---
Rape	50	160,000	3 - 6	4/25-5/5	1/2 - 3/4	90 - 100	8/15-9/1	1050	---
Rye									
spring (irrig.)			89 - 90	3/25-4/10	1 - 2	90 - 115	7/15-7/30	1050	12.5
winter (common)	56	18,000	56 - 80	(see wheat)	1 - 2	300 - 330	7/15-7/30	1050	12.5
Tetra petkus	56	14,000							
Safflower	40	13,000	15 - 20	4/20-5/25	3/4 - 1 1/2	120 - 150	9/5-9/30	550	8.0
Sorghum (irrig.),									
grain	56	28,000	3 - 6	5/20-6/5	3/4 - 1 1/2	90 - 110	9/20-9/30	780	13.0
forage			6 - 12	5/20-6/15	3/4 - 1 1/2	90 - 110	9/1-9/10	---	---
Sorghum (dryland),									
grain	56	20,000	2 - 3	5/20-6/5	3/4 - 1	90 - 110	9/28-9/30	780	13.0
forage			4 - 6	5/20-6/15	3/4 - 1	90 - 110	9/1-9/10	---	---

Crop	Wt/bu.	Approximate no. seed/lb.	Seeding Rate	Usual Planting Date	Seeding Depth-Soil Cover <u>d/</u>	Planting to Harvest	Most Active Harvest Dates	Cylinder Speed <u>e/</u>	Safe Moisture Storage Content
	(lb.)		(lb/Acre)		(inches)	(days)		(rpm)	(%)
Soybeans	60	5,000	45 - 60	5/20-6/5	3/4 - 1	100-130	9/10-9/25	600	11.0
Spelts	40		40 - 60	(see wheat)	1 - 2	280-320	7/10-7/25	1050	12.5
Sundan grass	40	55,000	20 - 25	6/1-6/15	3/4 - 1 1/2	90-110	9/1-9/20	1050	---
Sugarbeets	--	50,000	2 - 5	4/1-4/10	3/4 - 1 1/4	190-230	10/5-10/30	---	---
Wheat									
spring	60	15,000	60 - 90	3/25-4/10	1 - 2	110-120	7/15-7/30	1050	12.5
winter	60	15,000	30 - 60	9/10 <sup>a/</sup>	1 - 2	280-320	7/10-7/25	1050	12.5

a/ 6/1 - 6/15 in Scottsbluff Valley

b/ 7/10 when used as a catch crop

c/ 9/10 at 4,000 ft. elevation. Add 1 day for every 100 ft. elevation below 4,000 ft. and subtract 1 day for every 100 ft. elevation above 4,000 ft.

d/ Sandy soils should be seeded slightly deeper.

e/ Based on a 22 inch diameter.



## CALIBRATING SEED EQUIPMENT

Accuracy of crop seeding is important to obtain maximum yields and to use costly seed efficiently. Much of our seeding equipment comes with seeding charts which are an indicator of the seeding rate. A number of factors such as size of seed, test weight, shape of seed and number of seed per pound influence seeding rate. Some crops are not listed on seeding charts.

A simple method of calibrating seeding equipment is as follows:

1. Fasten a sack or container to two or more spouts.
2. Fill drill with seed.
3. Collect seed from 600 feet of row.
  - a. If only one spout is used, stake 600 feet in a straight line.
  - b. If two spouts are used, stake 300 feet in a straight line.
  - c. If three spouts are used, stake 200 feet in a straight line.
4. Measure seed in ounces from the 600 ft. of row.
5. Use the following chart to determine the seeding rate per acre.

Amount of Grain Being Seeded per Acre (pounds per acre).

If ounces of grain collected from 600 feet of row is	and if the distance between rows is:					
	7"	8"	9"	10"	12"	14"
4	31	27	24	22	18	16
5	39	34	30	27	23	19
6	47	41	36	33	27	23
7	54	48	42	38	32	27
8	62	54	48	44	36	31
9	70	61	54	49	41	35
10	78	68	60	54	45	39
11	86	75	67	60	50	43
12	93	82	73	65	54	47
13	101	88	79	71	59	51
14	109	95	85	76	63	54
15	117	102	91	82	68	58
16	124	109	97	87	73	62
17	132	116	103	92	77	66
18	140	122	109	98	82	70
19	148	129	115	103	86	74
20	156	136	121	109	91	78
21				114	95	82
22				120	100	86
23				125	104	89
24					109	93
25					113	97
26					118	101
27					122	105