

## Experimental Farms.

plots while in the milk stage and hastening their ripening. All the plots were heavy in straw excepting those of the last seeding.

Name of Variety.	Sown.	Headed.	Ripe.	Matured in.	Height.		Weight of Straw.		Yield per Acre.		Weight per Bushel.
					Days.	Ft. in.	Lbs.	Bush. lbs.	Lbs.		
Duckbill.....	April 24	July 18	Aug. 12	111	4	0	222	35		48½	
do .....	May 1	do 19	do 12	104	4	0	248	43	6	50	
do .....	do 8	do 21	do 14	99	4	0	273	42	4	50	
do .....	do 15	do 21	do 15	93	4	0	263	37	44	49	
do .....	do 22	do 22	do 17	88	4	0	193	32	34	46	
do .....	do 29	do 26	do 19	83	3	10	144	26	12	44	
Baxter's 6-rowed.....	April 24	do 10	do 8	107	3	6	233	36	42	51	
do .....	May 1	do 12	do 8	100	3	6	406	42	24	50½	
do .....	do 8	do 13	do 9	94	3	6	368	40		50	
do .....	do 15	do 15	do 12	90	3	6	280	30	10	50½	
do .....	do 22	do 18	do 14	85	3	6	276	30		46½	
do .....	do 29	do 20	do 16	80	3	2	249	31	22	49	

### TEST OF VARIETIES ALL SOWN SAME DATE, ONE-TENTH ACRE PLOTS.

Sixteen varieties were sown in this test. The soil was sandy loam uniform in character and had been fallowed the preceding year. Two bushels of seed per acre was sown by drill. In earliness the six-rowed matured in from 6 to 11 days less time than the two-rowed. All sorts produced a good crop of straw, some very heavy and all stood up well.

Name of Variety.	Sown.	Headed.	Ripe.	Ma- tured in.	Height.		Weight of Straw.	Char- acter of Straw.	Yield per Acre.	Weight per Bushel.	
					Days.	Ft. in.				Lbs.	
Six-rowed sorts—											
Baxter's.....	May 10	July 12	Aug. 8	90	3	6	333	Fair	36	42	50
Common.....	do 10	do 9	do 8	90	4	0	169	Weak	36	42	51½
Rennie's Improved.....	do 10	do 12	do 12	94	4	0	298	Fair	49	18	50
Odessa.....	do 10	do 10	do 12	94	3	6	171	do	49	38	49½
Petschora.....	do 10	do 10	do 8	90	4	6	246	do	37	14	46
Guymalaye.....	do 10	do 17	do 14	96	3	6	263	do	41	2	59
Oderbruch.....	do 10	do 9	do 8	90	3	6	268	do	42	4	52½
Mensury.....	do 10	do 11	do 8	90	4	0	307	do	38	16	46
Two-rowed sorts—											
Prize Prolific.....	do 10	do 19	do 19	101	3	6	338	Weak	44	2	48
Danish Chevalier.....	do 10	do 21	do 19	101	3	6	353	Strong	54	28	51½
Goldthorpe.....	do 10	do 17	do 18	100	3	6	258	Weak	48	46	49
Canadian Thorpe.....	do 10	do 17	do 14	96	4	3	155	Strong	43	36	49
Improved Chevalier.....	do 10	do 17	do 18	100	3	6	438	do	42	4	51
Duckbill.....	do 10	do 17	do 16	98	4	3	233	do	50	20	50
Thanet.....	do 10	do 18	do 19	101	4	0	368	Weak	51	22	49
Kinver Chevalier.....	do 10	do 18	do 18	100	4	0	358	do	54	38	48

### TEST OF BROADCAST, PRESS DRILL AND ORDINARY DRILL.

In this test California Prolific was used. The soil, was a heavy clay loam which was fallowed the preceding year, and the seed was sown at the rate of two bushels per acre.

That put in by the Press-drill gave seven bushels more than that sown by the common drill, and 9 bushels and 28 pounds more than the plot sown