

As to earliness, all the sorts matured in much less time than in 1892. Red Fife in 1892 took 139 days to mature; this year 115 days; Gehun, in 1892 took 121 days; this year 108 days.

BARLEY.

Twenty-five varieties of barley were tested the past season. Of these, 17 were old sorts and 8 new hybrids between six-rowed and two-rowed barley which have been produced at the Central Experimental Farm. Five varieties yielded over 50 bushels per acre, 8 over 40 bushels and the remainder over 30 bushels.

All kinds were very heavy in the straw but the grain was light in weight caused by the hot winds ripening it too quickly. Except two varieties and in a few others in low places no lodging took place. The straw, as will be seen, was from 3 to 4½ feet in length, and some kinds went over 400 pounds to the $\frac{1}{10}$ th acre.

Except a few acres sown on stubble land, all the barley was put in on fallow and unless otherwise stated, 2 bushels of seed were sown per acre.

Sixteen varieties sown on the same day, under the same conditions, matured on an average in 95 days, while last year, 13 kinds under the same conditions, took an average of 120 days to ripen. The weather during the barley harvest was fine and all sorts were secured without being weather-stained.

FIELD LOTS.—PLOTS OF FOUR ACRES AND UPWARDS.

Five varieties were sown in fields, all of these were two-rowed, and one of them California Prolific was sown on three different dates.

All sorts were very heavy in the straw, but all, excepting Prize Prolific and Newton, stood up and were easily harvested. One field of California Prolific of 5 acres, yielded 57 bushels 44 pounds per acre, from the thresher. The grain of all the varieties is much lighter than usual.

RESULTS OF FIELD CROPS OF TWO-ROWED BARLEY.

Name of Variety.	Sown.	Headed.	Ripe.	Matured in.	Height.		Character of Straw.	Yield per Acre.		
					Days.	Ft. in.		Bush. lbs.	Lbs.	
California Prolific...	May 6	July 18	Aug. 12	98	4	6	Strong & fine.	45	..	49
do	do 8	do 17	do 11	95	4	6	Strong & fine.	57	44	49
do	do 9	do 20	do 14	97	4	0	Strong.	48	2	48
do fall pl'ing	do 11	do 17	do 12	93	3	9	Strong.	41	32	47
Newton.....	do 12	do 19	do 16	96	3	0	Weak.	39	17	46½
Kinver Chevalier....	do 9	do 20	do 18	101	3	0	Weak.	47	60	47
Prize Prolific.....	do 9	do 20	do 18	101	3	9	Weak.	40	..	47
Goldthorpe.....	do 11	do 21	do 17	98	3	6	Weak.	Not threshed		

RESULTS OF SOWING BARLEY AT DIFFERENT DATES ON ONE-TENTH ACRE PLOTS.

In this test Duckbill, a two-rowed variety, and Baxter's six-rowed were used. The first plots were sown on 24th April and the last on 29th May, with a week intervening between each set of plots.

The plots sown on 1st and 8th May gave the best returns. The three last plots in both sorts gave a smaller yield per acre and lower weights per bushel than the first three sown, caused probably by the hot wind on August 6th, catching these