

favour of the April 17th seeding. The result from the May 1st seeding produced almost as much in yield as the April 24th seeding. It would appear from the above that a seeding date prior to April 17th is not at all suitable to conditions at 305-Mile House. My glancing at the "days to mature" column it may be noted that they are just the opposite of the "date of seeding." In fact, there is an astonishing regularity in the drop of seven days in the time required to mature any one plot as compared with the time to mature the plot that was seeded one week previously. So that we might infer from the above results that, in so far as 1915 is concerned, some date between April 20th and May 1st would be about the best time to seed wheat.

RATE OF SEED PER ACRE.

This experiment was also tried with Chirka wheat. All four plots were seeded on April 15th, and all took the same number of days to mature.

Table 5.—Rate of Seed per Acre with Chirka Wheat.

Date seeded.	Rate of Seed per Plot.	Rate of seed per Acre.	Date headed out.	Date cut.	Days to mature.	Size of Plot.	Yield per Plot.	Yield per Acre.
	Lb.	Bu.				Acre.	Lb.	Bu. lb.
April 15	7½	½	July 2	Aug. 25	132	¼	717	47 40
" 15	11½	¾	" 3	" 25	132	¼	745	49 40
" 15	15	1	" 2	" 25	132	¼	705	51 0
" 15	17	1¼	" 2	" 25	132	¼	76½	50 40

The four plots were seeded as follows: ½, ¾, 1, and 1¼ bushels per acre; and while there is not as great a difference in the yields as might be expected, yet these arrange themselves almost in the order of the rate of seeding. All yields are exceptionally good for dry-land results, and what little advantage there is seems to be in favour of a seeding at the rate of 1 bushel per acre. Experiments such as these, however, are valuable just in proportion to the number of years that are represented in the results.

VARIETY TEST WITH OATS.

In this experiment three varieties of oats that gave good results last year were tried. The following table will give the results of the experiment:—

Table 6.—Experiments with Three Varieties of Oats on ¼-acre Plots.

Variety of Oat.	Date seeded.	Rate of Seed per Acre.	Date headed out.	Date cut.	Days to mature.	Size of Plot.	Yield per Plot.	Yield per Acre.
		Lb.				Acre.	Lb.	Bu. lb.
O.A.C. No. 72 ..	April 28	68	July 8	Aug. 17	111	¼	815	96 0
American Banner	" 28	52	" 10	" 18	112	¼	748	88 0
Abundance	" 28	60	" 8	" 23	117	¼	741	87 6

The yields this year are larger than those of last year. In fact, the three yields recorded above would stand as exceptional yields under any condition.

LARGER EXPERIMENT WITH OATS.

The three varieties of oats mentioned in the above table, together with a Sixty-day oat, were tried on a larger scale. In this experiment the Abundance, O.A.C. 72, and Sixty-day oats were each seeded on a 3-acre plot, while 5 acres were used for the seedling of the Banner oat. As might be expected, the yields are not as large as those produced on the smaller areas, yet the results are very good indeed.