7th. It is requested that No. v. plot be sown with 10 lbs. fresh wood ashes, used same as the other fertilizers, as no Kainit can be obtained in Canada.

We have sent by express to those experimenting, expressage prepaid, one of the following lots of grain for six plots:—18 lbs. White Russian wheat; 18 lbs. Red Fife wheat; 111 bs. Egyptian oats; 111 bs. White Cluster oats, or 123 bs common six-rowed barley. Also 10 lbs. salt for plot No. I., 10 lbs. superphosphate for plot No. II., and 10 lbs. apatite for plot. No. III. The produce from the plots becomes the property of the

Make out reports of experimental plots and meteorological observations as full and careful as you can and forward to Mr. C. A. Zavitz, O. A. C., Guelph, not later than experimenter.

Note.—To those who carried on somewhat similar experiments last season, on five 1st November. plots, and two years ago on four plots, we send additional grain to be sown on the same plots. The object is to test the influence of the fertilizers over two and three seasons, Report in the same manner as for the new plots.

OPTIONAL EXPERIMENTS.

If you can furnish us any accurate information as to the results obtained by any others in your neighbourhood with the same fertilizers, we shall be glad to receive it As for your own work, the success of the experiment and your own reputation demand

carefulness, accuracy, and a little sacrifice. In addition to, or entirely independent of the above general experiments, we are We wish every experimenter to send in an accurate statement in regard to some one or more of the following experiments:looking for some individual work.

(1) Testing some imported cereals.

(3) Testing whether plowing under farmyard manure or leaving as top-dressing is

(4) Testing a mixture of grass seeds for use as a permanent pasture.

(5) Any experiment you are in a position to carry out, but which is not mentioned the best.

Reports of all satisfactory experiments will be printed in the annual report of the Union.

METEOROLOGICAL OBSERVATIONS.

Rain gauges can be obtained free on application to the College, provided the observe will fill out a report and send it monthly to the Observatory at Toronto.

Make observations as regards rain and sunshine as follows:—

- (a) Rainfall.—Have gauge well exposed, away from wind currents, near building etc., and mouth of gauge a foot above the ground. At close of rain pour the amount int the graduated tube, divide the number of inches by ten, and call results inches of rain.
- (b) Clouds.—Mark from 1 to 10, according to the amount of cloud in the sky. making a summary, below 4 is clear; above 6, cloudy. Make as many observations convenient during the day, say 7 a.m. and 2 p.m. The mean is obtained by dividing the sum of the observations by the number of observations taken.
- (c) Heat.—If possible, ascertain the readings of the thermometer for that district, observations are made within ten miles of place of experiment.

If further instructions are desired in regard to these meteorological observation please correspond with Prof. Panton, O. A. C., Guelph.

PLOTS FERTILIZED IN of Straw and Grain in lbs. per plot of 1/40 acre. ON GRAIN OF ESULTS

SALT.

NO MANURE.

FARM-YARD MANURE,