

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

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DIVISION OF
WESTERN IRRIGATION AGRICULTURE

December 29, 1936

Mr. W. G. Cochran
Rothamsted Experiment Station
Harpenden, England

Dear Sir:

Receipt is acknowledged of your letter of the 1st, addressed to our Huntley (Montana) Field Station, in which you ask for certain data with reference to uniform cropping. The test you refer to was conducted in 1911 on field K, which was cropped "to oats in preparation for starting the irrigated rotations the following year. The field was harvested by plots, of which there were a total of 68. On these the total grain and straw weights only were obtained, since we did not have a separator that year for threshing plots. These yield figures were not published." The differences in yields are not believed to be significant, for the field was not cropped uniformly for the two years prior to 1911. However, the results obtained are enclosed.

Very truly yours,



S. H. Hastings,
Principal Agronomist

SHH:R

Enclosure

HUNTLEY FIELD STATION

YIELD OF OATS FIELD K - 1911

| Series | Plat | Grain and Straw Lbs. | Series | Plat | Grain and Straw Lbs. |
|--------|------|-------------------------|--------|------|-------------------------|
| II | 1 | 1420 | IV | 13 | 860 |
| II | 2 | 1380 | IV | 14 | 920 |
| II | 3 | 1010 | IV | 15 | 1150 |
| II | 4 | 950 | IV | 16 | 1210 |
| II | 5 | 1380 | IV | 17 | 690 |
| II | 6 | 1210 | IV | 18 | 660 |
| II | 7 | 1220 | IV | 19 | 700 |
| III | 1 | 1230 | IV | 20 | 860 |
| III | 2 | 1370 | IV | 21 | 940 |
| III | 3 | 1695 | IV | 22 | 950 |
| III | 4 | 1555 | IV | 23 | 880 |
| III | 5 | 1510 | V | 1 | 880 |
| III | 6 | 1290 | V | 2 | 840 |
| III | 7 | 1395 | V | 3 | 1120 |
| III | 8 | 1375 | V | 4 | 1070 |
| III | 9 | 1400 | V | 5 | 1240 |
| III | 10 | 1380 | V | 6 | 1020 |
| III | 11 | 1270 | V | 7 | 1400 |
| III | 12 | 1160 | V | 8 | 1490 |
| III | 13 | 790 | V | 9 | 1350 |
| III | 14 | 520 | V | 10 | 1220 |
| III | 15 | 690 | V | 11 | 1270 |
| IV | 1 | 540 | V | 12 | 880 |
| IV | 2 | 1120 | V | 13 | 800 |
| IV | 3 | 1420 | V | 14 | 890 |
| IV | 4 | 1245 | V | 15 | 1275 |
| IV | 5 | 1510 | V | 16 | 1105 |
| IV | 6 | 1180 | V | 17 | 830 |
| IV | 7 | 1460 | V | 18 | 860 |
| IV | 8 | 1490 | V | 19 | 790 |
| IV | 9 | 1430 | V | 20 | 720 |
| IV | 10 | 1430 | V | 21 | 710 |
| IV | 11 | 1190 | V | 22 | 810 |
| IV | 12 | 920 | V | 23 | 790 |

Secretary
Field Station
Wester Iringdim

1st December, 1936.

The Secretary,
Field Station of the Office of
Wester Iringdim Agriculture,
Huntley Man.

Dear Sir,

We are keeping an index of uniformity trial data, of which
the Huntley uniformity trial is one of the most famous. Most of the
yields of this have been published, but I understand ^{that} there were two
uniform oats experiments in 1911, one of 66 plots and one of 68 plots
for which I cannot find any published yields. If you can refer me
to any publication accessible in England which contains the original
yields or failing that, send me a copy of the yields, I would be
very glad to add them to our index and make them accessible to students.

Yours faithfully,