THE RELATION BETWEEN THE SIZE OF SEEDS AND
THE YIELD OF PLANTS OF FARM CROPS.

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Presented at the Ithaca Meeting, 1908.

It has been truly stated that good seed is at the very foundation
of good farming. The question of seeds is both a comprehensive
and a complicated problem, which is worthy of careful study at
the various institutions organized for the purpose of investigation.
Various experiments have been conducted on this subject at differ-
et experiment stations. In order to properly comprehend the
results of these various experiments, it is necessary to have a com-
paratively full understanding of the methods used, as well as a
knowledge of the conditions under which the experiments were con-
ducted. I wish it clearly understood that this paper deals simply
with one phase of this question, viz., the relationship between the
sizes of the seeds and the yields of the plants produced from these
seeds. I intend to confine myself almost entirely to the work which
has been accomplished in this particular line at the Agricultural
College at Guelph, Ontario.

Within the past fourteen years a large amount of experimental
work has been done to determine the influence of different selec-
tions of seed upon the resulting crop. From the numerous exper-
iments which have been conducted at our college on seed selection,
only those bearing directly on the size of the seed sown are here
presented. The various experiments include grains, potatoes, field
roots, and rape.