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sulphate to destroy mustard were: sulphate to destroy mustard were:

1. The necessity of spraying early, just when the plants are coming into the plants are coming into the destroyed by the solution, and will form seed, and hence the experiment will not be entirely satisfactory.

not be entirely satisfactory.

2. To spray thoroughly, with a good pressure. In order to spray thoroughly with an ordinary broadcast attachment, it is necessary to keep the horses walking very slowly. If an attempt is made to cover the ground quickly some of the plants will be discovered and the pressure of the plants will be the greatly strength of the plants will be the greatly and the great of the plants will be the greatly and the greatly are greatly and the greatly and the greatly and the greatly are greatly are greatly and the greatly are greatly and greatly are greatly and the greatly are greatly are greatly and the greatly are gre missed and the results will not be en-

tirely satisfactory.

3. In regard to the cost of spraying

5. In regard to the cost of spraying with iron sulphate it was found that the cost of spraying with iron sulphate it cost, so that it now costs from \$1 to \$2.50 per acre variety from the fact to spray for material to spray separate to spray for material to spray experiments in These cooperative experiments in These cooperative experiments in the continued this year (1917) and it is hoped that a large number of men will take part in them in order that sufficient information may be sathered to warrant in them in order that sufficient in-formation may be gathered to warrant definite statements being made in re-gard to the best methods for con-trolling these pernicious weeds.—Address all communications to Prof. J. E. Howitt, O.A.C., Guelph, Ont.

A New Variety of Barley

A New Variety of Barley

ANCHURLAN Ottawa 50 barley

fs a selection made several
season selection made several
sort, mensury, which has been favorably known in Canada for a long time
and has been successfully grown in
very many districts. As the tests in
regard to yield are still in progress,
final conclusions cannot yet be drawn;
but it may be stated that the new
solection appears to be, for many secselection appears to be, for many sec-

final conclusions cannot yet be "tarwa", but it may be stated that the near but it may be stated that the near scleetion appears to be, for many see closes of this country, the most productive barley known among those sorts which have fairly satisfactory straw. The straw of this barley is of good length and strength, as compared with other popular skx-row sorts; but it should be emphasized that even the best barleys have a tendency to lodge when sown on rich soil, in seasons when moisture is pientiful. The heads of this variety are exceptionally long and heavy, and herein, perhaps, lies the secret of its large yield. In very high winds it does not behave quite so well as some of the other sorts as it shows a tendency for the heads to break off at the base, and for the kernels to thresh out on the ground. However these objections, though However these objections, though repaired districts, are of no importance. prairie districts, are of no importance most localities

While it is early in ripening—like nearly all barleys of its class—it does not mature exceptionally early, being not mature exceptionally early, being perhaps a trife later than the average. The awas above after exception of the strength o mental Farms Note.

The only reason why most weeds can from year to year is that they are given a chance to ripen seed. If the given a chance to ripen seed. If the control was a second with the seed of the The only reason why most weeds can

On which side of the book is YOUR Cream Separator?

A SK yourself this question, "Which will pay me better (1) to buy an ordinary separator that costs, say, \$55.00, and loses a whole pound of cream to every 1,000 pounds of milk skimmed, or (2) to invest in

Standard SEPARATOR Gets all but % pound of cream in 1000 pounds of milk skimmed



method the separator that gets all but one-tenth of a pound of cream per 1,000 pounds of milk skimmed, and -the asperator that gets an but one-tenth of a pound of cream per 1,000 pounds of mila sammed, and costs, say, \$75.00?"

The answer is that with a Standard you save in one year, with twenty cows, no less than \$27.25.

3.75 5.50 (10%)

Saving over ordinary separators Saving over old pan skimming method

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Pan Skimming

\$70.00

shafts made of tool steel instead of the property condrolled steel, centre on anoed bowl, etc., etc.

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