CORN.

The Effect of Removing the Tassels on the Prolificacy of Corn, as Shown at the State Agricultural Experiment Sintions.

Experiments with strawberries, made at the Ohio experiment station, indicate that pollen bearing is an exhaustive process, and that larger yields of fruit, as a rule, may be expected from those varieties which produce pollen so sparingly that a small proportion of other varieties producing pollen abundantly must be planted with them in order to insure a full crop, than from those which produce sufficient pollen for self-fertilization.

The following very interesting and valuable experiment on corn, made by the experiment station of Cornell university, at Ithaca, N. Y., gives strong support to this theory:

It has been claimed that if the tassols were removed from corn before they have produced pollen, the strength thus sayed to the plant would be turned to the ovaries and a larger amount of grain be produced. To test the effect of this theory the following trial was made during the past season.

In the general corn field a plot of fortyeight rows with forty-two hills in each row was selected for the experiment. From each alternate row the tassels were removed as soon as they appeared. and before any pollen had fallen. The remaining rows were left undisturbed.

The corn was Sibley's Pride of the North, planted the last week in May in hills, three feet six inches by three feet eight inches, on dry, gravelly, moderately fertile soil.

On July 21, the earliest tassels began to make their appearance in the folds of the upper leaves and were removed as soon as they could be seen, and before they were fully developed. Aslight pull was sufficient to break the stock just be. low the tassel and the removal was easy and rapid.

On July 25, the plot was gone over again for the removal of such tassels as had appeared since the previous work. and at this time by far the greater number of the tassels were removed.

On July 28, when the plot was gone over the third time, the effects of the tasseling became apparent in the inon the rows from which the tassels had been removed.

untassoled rows.

cutting until ripe.

On Eeptember 29, to October 1, the rows were cut and husked, and the stalks ion, or at most, but a slight covering of and ears weighed and counted with the straw, and thus extending the working following results:

	Aggre- gato yield.		Comparative yield.	
No. of good cars	238 855 951 4174 1078 187 4223 79	001 000 000 000 000 000 000 000 10ff on	151 Tatales 151 141 151 Tatales 151 151 151 151 151 151 151 151 151 151	

It will thus be seen that the number of good ears and the weight of merchantable corn, were both a little more than fifty per cent greater on the rows from which the tassels were removed than upon those upon which the tassels were left. This is not only true of the two sets of rows as a whr's, but with the individual rows as well. In no case did a row upon which the tassels were left produce anywhere near so much as the tasseled rows on either side of it. In fact, the results given above are really the aggregate results of twenty-four distinct duplicate experiments, each of which alone showed the same thing as the aggregate of all.

By abortive ears is meant those sets that made only a bunch of husks, and sometimes a small cob, but no grain. It the most numerous on those rows from which the tassels were not removed. It will also be noticed that the total of the good, pour and abortive ears is about fourteen per cent. greater on the rows on which the tassels were left, while the weight of merchantable corn is more than fifty per cent. greater on those reas from which the tassels were removed.

SUGAB BEETS.

Valuable Points from the Ohio Experiment Station. The Result of Experiments.

Judging from European experience, it creased number of silks that were visible seems probable that the culture of the angar beet in America will be most successful within the limits of a belt of On the 1,008 tasseled hills there were about one hundred miles on each side of visible 591 silks; on the 1,008 untesseled, the summer isotherm of 70 degrees; that 393 silks.

The Berkshire and Improved Large White Yorkshire pigs are being sought after a great deal at present. Mr. Wm. Thirlwall, of Kentville, N. S., has first for the last time, but only a few tassels June, July and August. In Ohio this class stock always on hand, for sale at were found on the very latest stalks. line follows approximately the southern reasonable prices.

The prependerance of visible silk on the shore of Lake Erie, so that the northern tasseled rows was still manifest, there third of the state is included within the being at this time 3,542 silks visible on belt named. The summer temperature the tasseled rows, and but 2,014 on the is not the only climatic question that must be considered, however; as, for The corn was allowed to stand without instance, the mild winters of southern California permit the piling of the beets in immense heaps, requiring no protectseason throughout the winter, whereas in northern Ohio the beets would have to be pitted or housed in expensive cellars or siles. Again, the California winter gives a season of three or four months. during which planting may be done, or three times as long as in northern Ohio. The soil most favorable to the culture of sugar beets is one that is easily worked, and is fertile enough to produce rapid growth. The moderately sandy soils, and especially the black sands of northern Ohio, will probably be found well adapted to best culture. The fortile bottom lands of the farm occupied by the experiment station, at Columbus, produce large crops of beets. Stiff, heavy clays will not be found satisfactory as a rule, unless thoroughly underdrained and brought up to a high state of fertility by previous manuring and the growth of clover. The variety of beet is an important point, but a yet more important one is the care with which the seed has been selected. In France and Germany the percentage of sugar in the beet has been very greatly increased by improvements in the production of seed. The manufacture of sugar from bests involves the use of vory expensive apparants and requires great technical skill. In 113 German will be noticed that they were by far factories the mean capital invested in each factory is nearly \$200,000, and the total expense of manufacture is nearly eight dollars per ton, counting the beets at a little less than five dollars per long ton. The experience of the Ohio Experiments Station is that, on suitable soils, boets can be raised at this price with a very wide margin for profit.

> Messrs. J. Clark & Son dealers in agricultural implements, Fredericton, N. B., are doing an immense business this year. They have on hand all the supplies necessary for good farming..

> We-learn that the customers of Mr. A. Myera dealer in agricultural implements, 27 Germain street, St. John, are more than satisfied with their dealings with that gentleman. Nothing is lost by selling first class goods.