EFFECT OF FERTILIZATION ON THE GROWTH OF SUGAR BEETS ON SOME MICHIGAN MUCK SOILS.

M. M. McCool and Paul M. Harmer.

There are several million acres of organic soils in Michigan. Usually these are spoken of as mucks; whereas in certain other states similar formations are termed peats. Only a relatively small percent of these lands is developed and inasmuch as many deposits are of high grade their development is only a question of time. Inadequate drainage, occurrence of frost, and lack of knowledge concerning their fertilization and crop adaptations, account for their undevelopment. Thus, it is desirable to know whether or not it is feasible to grow a relatively frost resistant and heavy cash crop such as the sugar beet on these lands.

The production of sugar beets in Michigan has been extensive for many years. In fact Michigan is one of three leading beet-sugar producing states, the average acreage of land devoted to this