

EFFECT OF SEED-POTATO TREATMENT ON YIELD AND RHIZOCTONOSIS IN FLORIDA FROM 1924 TO 1929

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PREVALENCE AND SERIOUSNESS.

Rhizoctonosis (*Corticium vagum* B. & C.) of potatoes is probably observed more often than any other disease of plants. In some sections it is considered the most serious trouble of that particular crop. In general, its seriousness is due not to the extremely high percentage loss in any one locality, but to its universal existence wherever potatoes are grown.

LOSSES IN THE UNITED STATES

A comprehensive idea of the injury to potatoes by rhizoctonosis and of the wide distribution of this pathogene may be obtained by a study of Table I and Fig. 1. These show the losses in bushels and percent for every state, and the average losses in the United States for the 10-year period 1918-1927, as estimated by the collaborators with the Plant Disease Survey of the Bureau of Plant Industry, United States Department of Agriculture.

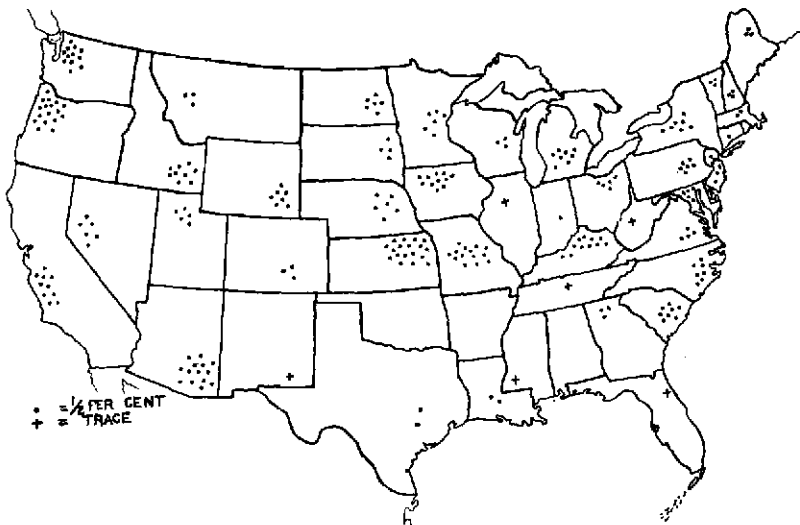


Fig. 1.—Average percentage losses caused by rhizoctonosis (*Corticium vagum* B. & C.) in the different states of the United States for the 10-year period from 1918 to 1927.