5. THE NITRATE CONTENT OF THE RHODE ISLAND EXPERIMENTAL PLATS AS INFLUENCED BY FERTILIZERS AND CROPS

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A general survey of the accumulation of nitric nitrogen in the surface soils at this station has been made for the growing season of 1925, the survey having for its object a study of the magnitudes involved rather than the operation of single factors in effecting the changes. The results reported are from permanent plats and represent the cumulative effect of many years for each treatment. Since seasonal variations may to a large extent determine the activity of soil micro-organisms, no conclusions have been drawn from the results of a single year; but it is possible that the season may have a greater effect upon magnitudes attained than upon the normal course of the action, and this work may have interest from that point of view.

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