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The Low Above-zero Temperature Effect in the Zone of Roots on Nitrate Reductase Activity in Pea Organs in the Process of Vegetating

of

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Keywords Authors Abstract: Experiments with pea (Pisum sativum L.) cv. Marat) in a phytotron chamber showed that the process of nitrate assimilation in pea organs depends on temperature in the zone of the roots and on the phase of development of the plants. The potential of tissues of different organs for nitrate reduction was compared to the amount of nitrates which they accumulated. A decrease in nitrate reductase activity during certain phases of development is assumed to be related to the process of formation and functioning of nodules.



**<u>Key Words:</u>** nitrate reductase activity, nitrate, nitrogen metabolism, root nodule.

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