

The effect of plasma decay products of the apocampic discharge on potato (*Solanum tuberosum* L.) yield

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The hypothesis was tested that the treatment of potato tubers exposed to rotting during storage with plasma products of the apocalyptic discharge can reduce their contamination and, as a result, create favorable conditions for the formation of a crop. For this purpose, pre-sowing treatment of potato tubers of two varieties "Gala" and "Koroleva Anna" was carried out, which were placed in a container where an apocampic discharge was ignited in atmospheric pressure air. It is shown that the processing improves the biometric parameters of potatoes as plants develop, and also increases the yield of the crop. The substantiation of the use of apocampic discharge for obtaining the fungicidal effect of plasma decay products is given.

Keywords: active nitrogen particles, apocampic discharge, tubers, yield.

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