УДК 635.64:631.544.4:581.1

FEATURES OF THE FUNCTIONING OF THE PHOTOSYNTHETIC APPARATUS OF TOMATO AT DIFFERENT PERFORMANCE.

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The results of research activity of photosynthesis, biometric indicators and productivity pink varieties of tomatoes grown in greenhouses. It is shown that the varieties of tomato productivity which was higher than other studied varieties observed better performance of photochemical reactions of photosystem II.

Induction of chlorophyll fluorescence, varieties of tomato, final harvest.

Modern analytical methods for studying physiological processes are rose-allow measurements in natural conditions Islands, as well as having a high sensitivity. The information obtained should be interpreted in the dairy. All these requirements are met by the method of induction of chlorophyll fluorescence, which explains its widespread use in scientific and applied research in recent years. So, as a result of in-intensive development of pulse-modulated art by Rose-recently developed systems have the opportunity to register in-product of chlorophyll fluorescence (IPC) in the field, to carry out its remote measurements obtained fluorescent image of the sheet and the like. However, along with these advantages, the method has a number of significant IPC O disadvantages associated with difficulties, both theoretical and methodically second nature. The theory of the method is in the process of development and is para-flax expand our knowledge of the physiological processes at different levels of the organization of the photosynthetic apparatus. For the implementation of the method does not examine in detail the dependence Dimo changes fluorescence parameters and the state of the photosynthetic apparatus of plants under the influence of various factors sulfur-dy and physiological characteristics of the plants.

The results can be considered reliable, because he knows exactly Off the index of experience for each of the grades of less than 5%. The findings suggest that due process of photosynthesis and the formation of generative organs of plants. Lowering the FSA in grade "Battler F1», coincides with a decrease in the number of flowers on the hands and the total number of hands per plant compared to other.

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