

## CREATION OF A SET OF VARIETIES OF SPRING SOFT WHEAT DIFFERING ON THE MARK OF “LECTIN CONTENT IN GRAIN”

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The determination of the content of agglutinin of wheat germ (AWG) in seed varieties of spring soft wheat of Saratov breeding is carried out by two methods: by the reaction of hemagglutination - the ability of AWG to agglutinate erythrocytes of blood rabbits and the method of indirect competitive immuno-enzyme analysis. AWG extracts for analysis were obtained from wheat flour. The content of the lectin in the extracts was calculated by the calibration curve of the optical density of the standard solutions of the AWG using a computer program. According to the results of the study, sets of varieties differing in content of AWG in grain were created.

**Key words:** spring soft wheat, wheat germ agglutinin, hemagglutination reaction, immuno-enzyme analysis.

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