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NORMAL AND TRANSGENIC SOYBEANS AS A FUNCTION OF THE MOISTURE CONTENT

ABSTRACT: This work was developed with the purpose of studying the behavior of soybeans dimensions according to the variation of the moisture content. The research was conducted with six varieties, two transgenic and four normal, with the moisture content: 10%, 12%, 15%, and 20% b.s., and the dimensions were determined based on the method used by MILANI et al. (2000). The results indicated that the soybeans varieties showed a differentiated behavior of the dimensions length, width and thickness as a function of moisture content increases, and the normal and transgenic soybeans had different behavior.

KEYWORDS: granular dimensions, moisture content, soybeans.

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GRANULOMETRIC STUDY OF NORMAL AND TRANSGENIC SOYBEANS

ABSTRACT: This study was conducted with the purpose of studying the granulometric behavior of soybeans in function of the variation of water content. The survey was conducted with six varieties, two transgenic and four common, with water content of 10%, 12%, 15%, 20% b.s. The granular dimension was determined by using six replicates of 120 seeds for each water content, and its dimensions (length, width and thickness) obtained by digital caliper. The results indicated that each variety of soybean behaved differently and that the common ones had a different granulometric behavior when compared to the transgenic ones.

KEYWORDS: granular dimensions, moisture content, soybeans.