The Results of the Research Concerning the Germination and Vigor of Several Corn Hybrids Cultivated in Transylvania, Romania

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Abstract
Germination is the process through the seeds passes through latent stage to the active one. During latent stage the seed contains a reduce quantity of water and due to that all biological processes are inhibited. In the second stage (active life), because of several favorable conditions (humidity, warm, oxygen) the physiological activity is fully taken place.

Seeds vigor is a quality feature for corn in the world being determinate by genetic, biological, morphological and seed bed for sowing.

Seed vigor represents the sum of the features which aren’t in the latent stage, and determine the potential level of the activities and performances of the seeds during germination and development stage. Seeds with a germinative energy and high cold test are called high vigor seeds; otherwise are called seeds with low vigor. Corn production can’t be separated by the biological material used in crop. Cultivating corn hybrids with germination and low vigor, leads to defective crops and low productions in the end.

Key words: corn, germination and vigor, springing, production

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