

**Title** Directions of the improvement of raw materials through applying new technology of harvesting and post-harvesting treatment of rapeseeds

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### **Abstract**

The main aim of this study was to broaden the knowledge of the raw material improvement through applying new technology of harvesting and post harvesting treatment of rape seeds. Knowing the range of variability of physical properties of rape, studies were undertaken to adjust the existing agricultural machines to new specific rape varieties in order to diminish the quantitative losses of seeds during the ripening of seed harvesting and in order to apply such parameters of combine-harvester subassemblies to minimize the damage of seeds. The reasons of the seed damage during the after-harvesting treatment were looked for and, apart from this, the quality of the raw material as well as the quality of the products obtained from it, knowing the previous damage, were evaluated. Such a complex study of this problem, not only allowed us to complete the knowledge in this respect but also to draw practical conclusions which entitles us to apply the results in the production as well as to propose new or modified technological treatment. These multi-factorial problems as well as the interdependence between many properties of the studied material, have been presented in more detailed publications included in the following volume, devoted to one problem. The references are also presented in these papers pertaining to all the questions presented in the present article which introduces the problem and contents of the subsequent publications.