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BASIC LACKS OF SEEDERS FOR TECHNICAL CROPS

NAZAR B., NAZAR Nadejda

The Agrarian State University of Moldova
Street Mircehsht, 22/2B, Chisinau, MD-2049, RM
nazarborea@rambler.ru

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SUMMARY

Now to the majority of technical grain crops apply one-grain, so-called dotted, the crops providing with plants rather equal areas of a food and a condition for their development. Dotted crops compared with degree meet requirements of uniform distribution of seeds with the set step to dotted lines. In the conditions of Moldova dotted crops are the basic way of crops, a sugar beet, corn, sunflower and other technical grain crops. The basic technological scheme of a dotted seeder is shown in a Fig. 1. It includes the seed bunker sowing the device, drill furrow opener, body for a covering and a skating rink. The seed bunker - the passive body of a seeder serving by the tank of seeds from which falling carries out giving of seeds to the sowing device. The functional purpose of the sowing device consists in that at regular intervals from a lump to make selection of seeds on one and to transfer to a window of evacuations. To usually dosing out element of the device the district movement co-coordinated with speed of movement of a seeder is set. Seeds at a window of evacuations under own weight or compulsorily, special pushers separate from the sowing device and are dumped in a groove.

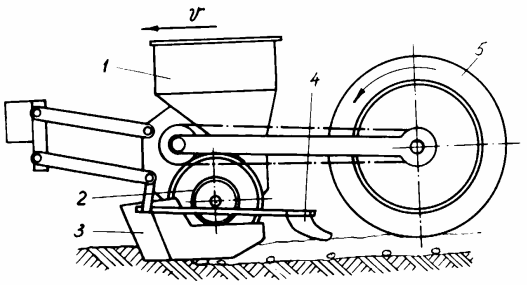


Fig. 1. The basic scheme of a dotted seeder the seed bunker:
2 – sowing device; 3 – drill furrow opener; 4 – bodies for a covering; 5 – skating rink.

Analyzing in general the typical scheme of a seeder, it is necessary to pay attention that transformation of the initial determined process in casual on an exit is basic mechanical-technological property drill furrow opener sowing systems of modern dotted seeders. In it one of principal causes of impossibility of creation on base drill furrow opener systems of seeders of exact seeding consists. Application for dotted seeders of a way of seeding of seeds in continuously formed grooves imposes restrictions on their further perfection in a direction of increase of accuracy and quality of crops, and also concerning increase of universality of seeders, decrease in their weight and power consumption.