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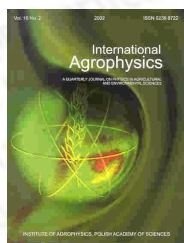
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[previous paper](#) [back to paper's list](#) [next paper](#)Assessment of the influence of selected operating parameters of S071/B KRUK seeder on seeding *Sida hermaphrodita* Rusby seeds\*\*[\(get PDF\)](#) P. Krzaczek<sup>1</sup>, J. Szyszlak<sup>1</sup>, J. Zarajczyk<sup>2</sup><sup>1</sup> Department of Power Engineering and Vehicles University of Agriculture, Głęboka 28, 20-612 Lublin, Poland<sup>2</sup> Department of Horticultural Machinery University of Agriculture, Głęboka 28, 20-612 Lublin, Poland

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abstract This paper presents the results of research on the quality of seeding *Sida hermaphrodita* Rusby (Virginia fanpetals) seeds with the S071 KRUK precision seeder in field conditions. It was observed that the best quality of sowing for the examined classes of distances in a row was obtained at the sowing disk peripheral speed of 0.23 m s<sup>-1</sup> and the working speed of 0.8 m s<sup>-1</sup>. In subsequent tests significant impact of the disk peripheral speed on percentages of single, duplicate and skipped plants was observed. Thus, it can be concluded that the peripheral speed of the sowing disk of the examined seeder impacts the precision of seed distribution in a row.

keywords precision seeder, *Sida hermaphrodita* Rusby, (V. f.) seeds, seeding quality