

Starch impregnate preventing rapeseed shedding during ripening and harvest

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Rapeseed production in Poland exceeded 2 million tons a year, and the area of its cultivation reached 800 thousand hectares. Seed shedding is an unsolved problem, causing seed yield losses from several to over a dozen percent or more.

The starch impregnate proposed by the applicants reduces pod shatter by 10 to 40%. It was developed as a result of basic research. The studies comprised various types of starch and its modifications, verified in tests evaluating their effect on the pods. The impregnate is based on modified potato starch, and it is characterised by a beneficial capacity for forming gruels with high viscosity. Impregnate is easy biodegradable, based on cheap and easy available potato starch. It is a Polish product with patent protection.

Producers of oilseed rape use, as prophylactic treatment, based on commercial information, preparations limiting seed shedding that are noxious to the environment.



Pods shattering



Germinated seeds