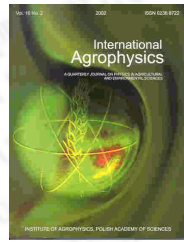




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Application of roof shaped and double cone inserts in mixing of granular elements in the flow process

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abstract The paper presents the results of mixing elements of aftercrop vetches and lupine, which differ as far as the dimensions and diameter concerned. The research was conducted with the use of a laboratory mixer funnel flow system. The silos were equipped with inserts of RSI and double cone. The research was conducted in four series, two runs with RSI inserts of different diameters, a run with the double cone insert and, a run without application of supporting elements. The assessment of quality of the mixture was carried out by use of computer analysis of image acquisition. The results were analysed by analysis of variance. The obtained results of the Fisher Test enable to reject the hypothesis and determine the impact of the elements used based on granular elements.