



Perspectiva sistemului no-tillage la porumb, grau si orzoaica, pentru agricultura Romaniei

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During of 35 years has been studied at maize crop, the no-tillage system comparative to classical technology. For weed control has been used different herbicides: Gesaprim 50 WP, Guardian, Lasso, Dual, Frontier, Magnific and Icedin Super. The yield of maize seeds in variants treated with no-tillage, was equal or some times bigger comparative with classical technology. The biggest advantage of system no-tillage is the reducing of fuel consumption: at no – tillage was 10,5 liters/ha and at conventional technology was 52,5 liters/ha. At winter wheat and two-row barley the system no-tillage has been studied only in 1999 – 2002 using different herbicides: Icedin Super, Oltisan M., Lancet, Glean, Granstar, Lintur, Cerestar 75 WP, DMA – 6. The average yields at no-tillage system 4960 kg/ha, and at conventional system 4570 kg/ha. So, no-tillage system applied in USA on millions acres, has bigger perspectives for Romanian's agriculture.