On the impact of the pre-emergent crop on weeding in soy, winter wheat, sunflower, barley, maize, and oat crops

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In this study we aim at presenting the evolution of the weeding degree in six crops depending on the pre-emergent crops. In the experimental year 2006, the natural weeding state of each crop under study in monoculture had the following values: 80.10 weeds/m2 in soy, 81.10 weeds/m2 in winter wheat, 180.20 weeds/m2 in maize, 93.00 weeds/m2 in barley, 142.00 weeds/m2 in sunflower, and 121.00 weeds/m2 in spring oat. The impact of the preemergent crop results in a diminution of the weeding degree, as follows: 18.25-30.12% in soy, 20.92-28.68% in winter wheat, 20.16-31.17% in sunflower, 22.16-30.96% in barley, 21.45-29.43% in maize, and 16.73- 25.75% in oat. The pre-emergent crop had un important influence on yield level in six crops, the productivity being in correlation with weeding degree and having the following values: 17,26-22,8 q/ha in soy, 35,3-42,96 q/ha in winter wheat, 20,48 -24,75 q/ha in sunflower, 32,40-38,88 q/ha in barley, 48,00-50,80 q/ha in maize, and 16,38-19,25 q/ha in oat.