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CONTROL OF CLEARFIELD SUNFLOWER IN SUGAR BEET

**Élimination de tournesols Clearfield dans les betteraves sucrières /
Eliminierung von Clearfield-Sonnenblumen in Zuckerrüben**

ABSTRACT

Sugar beet and sunflower in Slovakian agriculture are traditionally grown one beside the other and as well consecutively in the crop rotation. In the year 2012 was in the beet region of Považský cukor a.s. found out, that crumble of sunflower which emerged on some plots of sugar beet resists to the usually dosed and sprayed herbicides. This problem was discussed with companies BASF Slovakia and Syngenta Slovakia and subsequently growers of sugar beet were informed and necessary recommendations were given. In year 2013 in spring was in cooperation with BASF and Syngenta established the trial with sunflower in sugar beet. Target was to find the best solution for protection of sugar beet. In the trial were used 2 herbicides in 2 variants. After first spraying effect of used herbicides was low and sunflower survived with partly bur ned true leaves. Second spraying more affected the sunflower due to addition of oil and also higher dose of herbicides, but sunflower survived, flowered and brought the seed in autumn 2013. Subsequently was tested germination of the second sunflower crumble seed in laboratory conditions. Details will be described and conclusion will be done in the text of the poster.
