



## Effects of the phenmedipham, desmedipham, ethofumesate, metamiltron and triflusulfuron-methyl on weeds and sugar beet

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This study was conducted to determine the effect of post-emergence herbicides mixtures on weed dry weight and sugar beet productivity. Additions of metamiltron, chloridazon and triflusulfuron-methyl with phenmedipfam + desmedipham + ethofumesate increased the weed spectrum controlled. The addition of metamiltron gave effective control of *Tripleurospermum perforatum* (Merat) M. Lainz., *Chenopodium album* L., *Galium aparine* L. and *Veronica arvensis* L. than chloridazon. Reducing the doses of phenmedipfam + desmedipham + ethofumesate and metamiltron gave less control of *C. album*, *T. perforatum*. It was noticed that by reducing the rate of phenmedipfam + desmedipham + ethofumesate from 91+71+112 g a.i. ha<sup>-1</sup> to 68+53+84 g a.i. ha<sup>-1</sup> in mixture with triflusulfuron-methyl the dry weight of weeds has increased by 75-87%. The herbicides investigated did not have any negative influence on growing and development of sugar beet.