

Results of herbicide screening on 20 grasses in the Netherlands in 2009

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Abstract

In 2009 in the Netherlands 26 herbicides and combinations of herbicides were tested in 2 doses on 20 grasses. Most grasses were sprayed at the three leaves stage. A total of more than 1000 plots were observed 3 times. The tested grasses were grass seed crops, weeds or species for mixtures in turfgrasses: black grass (*Alopecurus myosuroides*), perennial ryegrass – lawn and fodder (*Lolium perenne*), Prairie June Grass (*Koeleria pyramidata*), sheep fescue (*Festuca ovina*), orchard grass (*Dactylis glomerata*), brome fescue (*Vulpia bromoides*), rat tail fescue (*Vulpia myuros*), tall fescue – lawn and fodder (*Festuca arundinaceae*), red fescue (*Festuca rubra*), creeping red fescue (*Festuca rubra*), rough stalked meadowgrass (*Poa trivialis*), tufted hairgrass (*Deschampsia cespitosa*), annual bluegrass (*Poa annua*), common bent (*Agrostis capillaris*), smooth stalked meadowgrass (*Poa pratensis*), bentgrass (*Apera spica-venti*), common velvetgrass (*Holcus lanatus*), soft brome (*Bromus hordeaceus*).

The tested product were: carfentrazone-ethyl, clodinafop / pinoxaden, pinoxaden, dimethenamid-P, dimethenamide-P / terbuthylazine, clomazone, diflufenican, ethofumesate, methabenzthiazuron, propyzamide, tepraloxymid, iodosulfuron, jodosulfuron-methyl-Na / mesosulfuron-methyl, nicosulfuron (Accent and Milagro), rimsulfuron and sulfosulfuron.

Several results were promising for controlling weed grasses in grass seed crops or in turfgrasses. A promising result for example: the control of *Poa annua*, *Apera spica-venti* and *Vulpia spp* in *Agrostis capillaris*, *Poa pratensis*, *Festuca ovina* and *F. rubra* with the combination of ethofumesate and rimsulfuron.