Herbosol® secures the effect of Boxer and Sencor in potatoes in the event of dryness

Innovantis, Niederlands, 2006

Background

Combatting weeds pre-emergence is an important plant protection measure for potatoes as the young plants have great difficulty competing with weeds. It is thus especially important to ensure optimum conditions for a good effect. In particular, the agent Boxer relies on good soil moisture. Herbosol® improves both the distribution of spray liquid as well as the binding of the herbicide to the pieces of soil. Herbosol® was added to soil-applied herbicide treatment with Boxer and Sencor and the effect on weeds was investigated.

Result

Innovantis 2006

The dykes were drained and damp during spreading. However, it then became dry and warm, whereby the treatment with Boxer an Sencor alone no longer had an optimum effect. Especially for Boxer, damp soil is important for a good effect. In the conditions described, Herbosol® was able to visibly boost the effect.
**Experimental procedure**

*Crop:* Potatoes, variety Fasan (Agro Nord, Sanitz, Mecklenburg-West Pomerania)
* Cultivation:* Planting on 24.04.09 / 14.05.08 (Agro Nord, Sanitz, Mecklenburg-West Pomerania) and on 05.05.06 (Innoventis)
* Soil:* loamy sand (Agro Nord, Sanitz, Mecklenburg-West Pomerania)

**Experimental plan:** Agro Nord, Sanitz, Mecklenburg-West Pomerania - 4 reps., randomised, application pre-emergence with Boxer (800 g/l prosulfocarb) and Sencor (600 g/l metribuzin) on 13.05.08 / 20.06.08 emergence on 29.05.09 / 09.06.08, assessment on 09.06.09 / 16.07.08
Innoventis - 4 reps., randomised, application pre-emergence with Boxer (800 g/l prosulfocarb) and Sencor (600 g/l metribuzin) on 23.05.06 after applying 400 l/ha water

**Recommended application**

- Improve the efficacy and tolerability of soil-applied herbicides with 0.4 l/ha Herbosol® (always add Herbosol® as the last component). Increase to 0.6 l/ha on light soils with a low humus content, reduce to 0.2 l/ha for heavy soils with a high humus content.