

Band spraying

A chemical method that can be used to control weeds in e.g. sugar beets, maize and vegetable crops. Can often be used in combination with inter-row cultivation.

DID YOU KNOW?
Up to 70% savings of herbicides when combined with inter-row cultivation

Readiness for use: 

Efficacy: 

How it works

In crops with row distances at 40-50 cm it is possible to spray in bands. Crop rows are usually sprayed with one nozzle that covers a band of 15-25 cm. Band spraying should be combined with mechanical weeding between crop rows.

- In sugar beets 2-3 band sprayings are applied, depending on the herbicide used
- Supplementary inter-row hoeing should be used 2-3 times, depending on numbers and time of emergence
- Up to 70% savings of herbicides when combined with inter-row cultivation
- Working widths are usually 6-12 meters and the working speed is between 5-8 km/hour with a boom height at 25-50 cm
- Steering systems for tractor, sowing machine, sprayer and hoeing system have to operate with high precision GPS to avoid uncertainties that causes crop damage or insufficient weed control
- “Even” nozzles are suitable for band spraying
- Inter-row spraying with e.g. glyphosate using shields for the crop is an option to control volunteer plants and inter-row weeds. Otherwise band spraying may be combined with inter-row cultivation
- Suitable for crops grown on flat fields



Figure 1. Band spraying in broad row crop. Private photo.



Figure 2. Shielded inter-row spraying. steketee.com

Read more

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