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## Weed control in the Netherlands

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## Content


- Chemical weed control
- Mechanical weed control
- Top growers – average growers  
(SUSY project 2006-2007, Hanse 2011)
- Weed control in the future



## Chemical weed control

*Pre-drilling:*





- 8% of the fields
- control of winter surviving weeds
- Glyphosate




## Chemical weed control

*Pre-emergence:*

- 12% of the fields
- control of 'problem weeds'

- metamiltron, chloridazon/quinmerac, clomazone



## Chemical weed control

### *Post-emergence:*

- Low Dosage System (LDS): average 4 applications
- Broadcast application
- 2% of the fields row application
- metamitron, chloridazon (/quinmerac), fenmedifam, desmedifam, ethofumesate, clopyralid, tri-allaat, triflurosulfuron-methyl, di-methenamid-P, S-metolachloor



Chemical weed control



## Chemical weed control

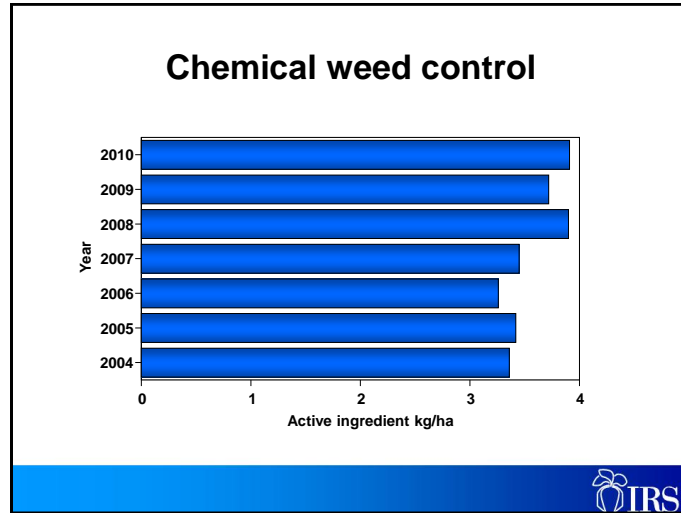
### *Graminicides:*

- usually added to LDS
- 33% of the fields
- quizalofop-p-ethyl, fluazifop-p-buthyl, cycloxydim, tetraloxydim, di-methenamid-P, S-metolachloor



Chemical weed control

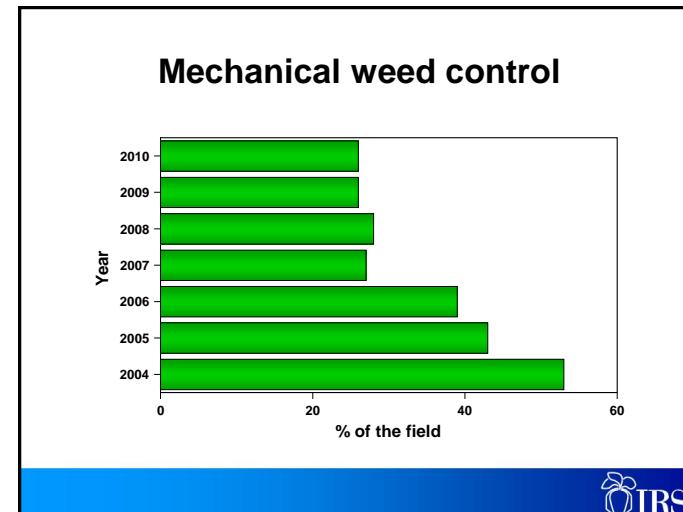




### Mechanical weed control

- 20% of the clay fields: hoeing
- 40% of the sandy/reclaimed peat fields: hoeing + ridging
- average Netherlands: 26% of the fields

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## SUSY project 2006-2007 (Hanse2011)

Comparison top growers and average growers

	Average growers	Top growers
Number of applications	5	5
Interval (days; post emergence)	10	10
Active ingredient (kg/ha)	4.2	4.0
Mechanical weed control (hours/ha)	0.5	0.5
Manual weed control (hours/ha)	2	2
Weed control September (10 = excellent)	8.3	9.4
Sugar yield (t/ha)	11.4	13.4

Top growers: similar application, better weed control → quality farmer!



## Weed control in future

### Weed control in future

- maintain a wide range of herbicides
- decrease use of herbicides
  - application: in time, right dosages, right circumstances
  - place specific application
  - in row hoeing (sensors, camera's)
  - row application-hoeing (GPS)
  - new adjuvants?



Thank you for your attention!

