

IIRB Seminar 2011

Picture of today



Application technique:

Nozzles: Flat fan or low drift

Liquid: 100 ltr – 150 ltr/hectare

Speed: 6 - 8 km/h

Improvements: to reduce drift

NBR Nordic Beet Research

Picture of today



Sprayers

Lift mounted or Trailers 12 - 36 m Few Air assisted <10%

Improvements made on:

Capacity and boom stability

Liquid system

Intelligence systems

Filling and cleaning equipment mandatory -

(filling and cleaning in the field or concrete places with collection tanks wastewater sprayed in the field or collected) (DK)



Picture of today



So far, we are very much alike other countries



Picture of today



Herbicide Regulation Annual application

Phenmedipham: 6 ltr -

Phen+Des: 1,8 ltr 0,6 ltr

Metamitron 3 ltr 1 ltr

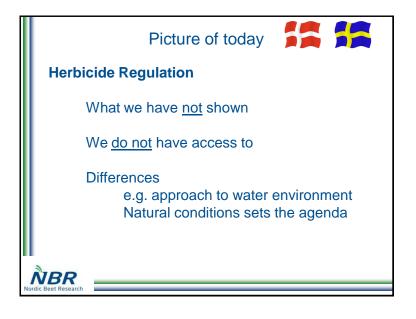
Safari 20-30 g 10-15 g

Ethofumesate 0,142 ltr -

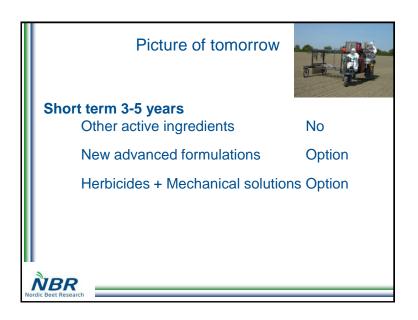
Clopyralid 0,25 ltr 4th year



Picture of today **Herbicide Regulation** Annual application Phenmedipham: Bandspray only Phen+Des: 1,8 ltr 0,6 ltr Metamitron 6 ltr 3 ltr Safari 120 g 30 g Cloridazon 7 kg 4 kg Clopyralid Spot treatment NBR







Picture of tomorrow



Middle term 5-10 years

Sensor technique - Intelligent systems!

Advancements in application technique!

New herbicide options?

Biological systems – growing technique?



Picture of tomorrow



Long term 10?-50 years

Individual target systems

Intelligent boom systems

New herbicide options

Advancements on autonomic systems

Ground vehicles managed by helicopters



Picture of tomorrow



Demand

Support highest possible productivity

Cost effective in all conditions

High efficiency in all weather conditions

High capacity and precision

Compatibility with other row crops





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