



## Herbicide trials

- Graminicide Trial
- Hawk + Toil
- Low water volumes 33-200l/ha
- Conventional V Air Induction V Airtec





## Trial Information

- Winter wheat – Napier
- 3 Reps - 20m x 5m plots (analysis 4 reps)
- Spray Date – 09/12/04
- Hawk 2.5 l/ha + Toil
- Blackgrass 11-22zd
- Wild Oats 11-22zd



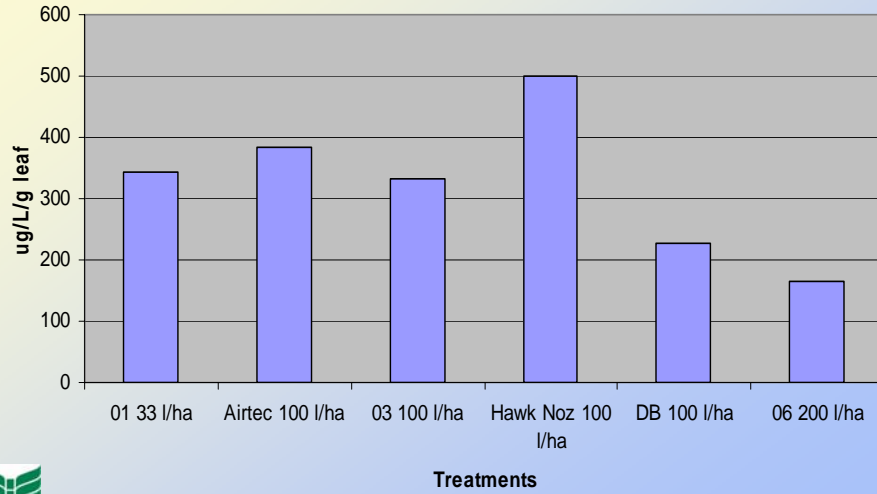
## Treatments

- Airtec 33 l/ha
- 01FF 33 l/ha
- Airtec 100 l/ha
- 03FF 100 l/ha
- Hawk Nozzle 100 l/ha
- 03DB 100 l/ha
- 06FF 200 l/ha
- All Sprayed at 12 km/hr

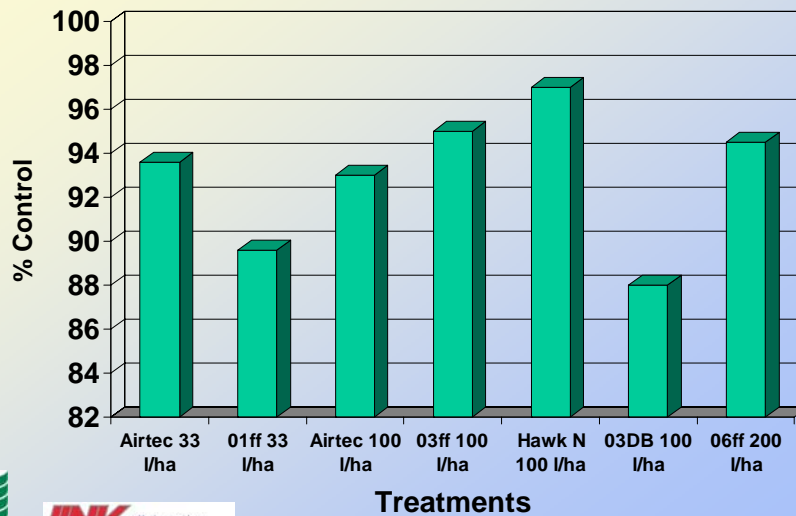




Deposit results

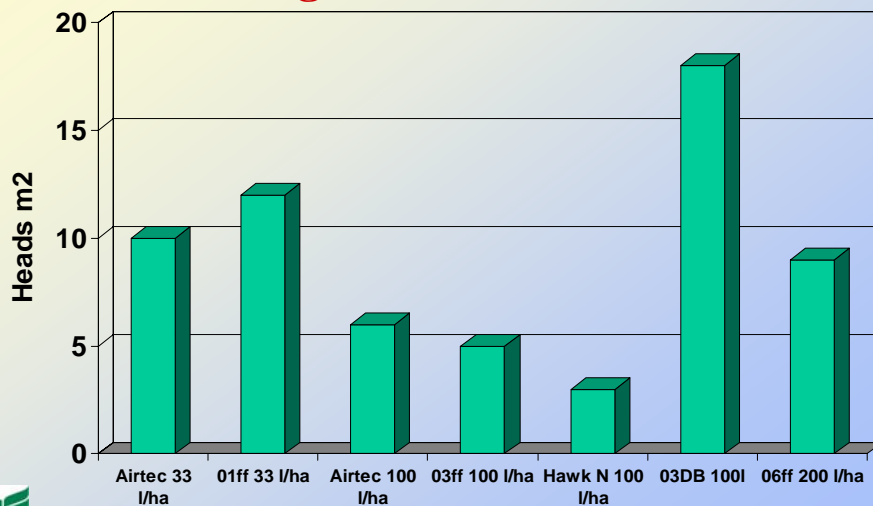


Blackgrass control





## Blackgrass Head Counts



## Results and Conclusions

- ▲ Conventional nozzles outperformed the air induction nozzle.
- ▲ 33l/ha is too low (reduced performance)
- ▲ If very low water volumes are used then Airtec is the choice
- ▲ Great benefit from angling
- ▲ All combinations controlled wild oats
- ▲ Angling the spray (Hawk Nozzle) improved deposition and weed control
- ▲ No crop damage





## Results and Conclusions

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- A background image showing a red tractor with a blue spray rig in a field. The tractor is moving from left to right, and a misty spray is visible behind it. The field is green and appears to be a grassy area. In the background, there are bare trees under a clear sky.
- Key Components for killing 2 leaf blackgrass with Hawk
    - Drop numbers
    - Spray concentration
    - Spray trajectory
    - Drop size