

Harvest weed seed control

Ray Harrington,
OAM

Seed set control
AT ALL COSTS



Whole farm approach at Cordering

- Rotation
 - Barley with Trifluralin
 - Barley with Boxer Gold
 - Barley with imi
 - Wheat with Sakura
 - Row spacing and seeding rate
 - Canola with Propyzamide, Atrazine and Select

Twin boomspray system

Atrazine
& Select

(separate tanks)



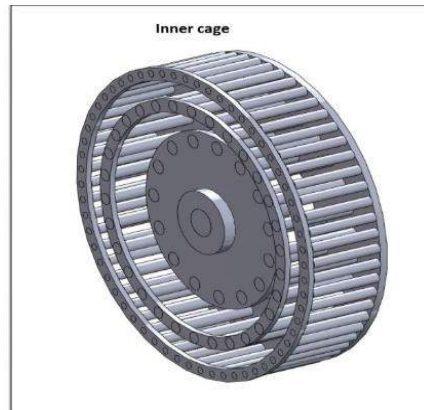
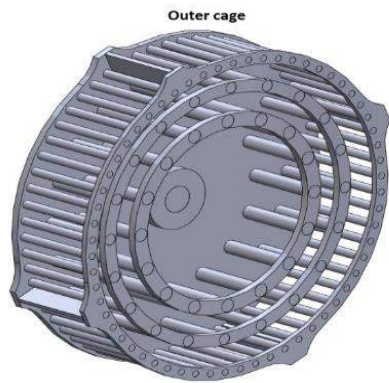
Spraying under swather



Harvest

- Swathing cereal
- HSD
- Setting up the headers (open them up)
- What do we do now? (**DO SOMETHING**)
 - Windrow burning
 - Chaff cart
 - HSD
 - Bale Direct
 - Chaff Tramlining

Harrington seed destructor



Lolium

Raphanus

Avena

Bromus

Seed destroyed in chaff (%)

95

92

99

98

Harrington seed destructor



Integrated HSD



Integrated HSD

- My involvement in IHSD development
 - GRDC, UWA, Uni SA and Ray Harrington
- 2013/14 field trial prototype
 - IHSD in 9230 case header
- 2014/15 Five field tested WA and SA
- 80 horsepower to drive the IHSD

Class	Horsepower	Harvest capacity (t/hr)	Harvest capacity with IHSD (t/hr)
7	300	30	20
8	400	40	30
9	500	50	40

The war on weeds!

- Double knock
- Seed set control (get the survivors)
- Getting the weed seeds into the header
 - Header set-up
 - Cutting low
 - Windrowing



Questions?

Three HSDs working
in 2012



**Grains
Research &
Development
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