

KILL RESISTANT WEEDS
WHILE HARVESTING



de Bruin
Engineering

Harvest Weed Seed Control
Simpler. Better.
visit ihsd.com



**HARRINGTON SEED
DESTRUCTOR**



University of
South Australia



HOW IT WORKS.

- ▶ Standing weeds are harvested by the combine
- ▶ Weed seeds or pods are separated into the chaff stream
- ▶ Chaff containing weed seeds is processed by the mills until weed seeds and volunteer seeds are no longer viable
- ▶ Processed chaff and weed seeds are spread over the field as inert organic material

KEY FEATURES.



DIRECT MECHANICAL DRIVE
Less moving parts, more efficient.
Simple.



REAR HATCH ACCESS
For simple grain loss checks



BI-DIRECTIONAL AUGER
To actively feed the mills,
avoiding blockages



STONE TRAP
Avoids foreign objects
entering mills



EASY BYPASS
For windrowing and/or
harvesting without iHSD

SIMPLER. BETTER.

TENSIONING PULLEY

Minimising belt slip

HEAVY DUTY DRIVE BELT

Transmitting torque for power

ADJUSTABLE IDLER PULLEY

Adjust belt wrap and grip

IHSD DRIVE PULLEY

Drive pulley maintaining 3000 rpm
mill speed
Optional disengagement clutch

PATENTED IHSD MILLS

2 x vertical mechanical mills
Hardened steel

EXTERNAL CHAFF CHUTE

Direct output below straw to
minimise dust



"We knew it had been tested for years, which gives you confidence, and it seemed that they had a lot better capacity. The size of the throat, where the material goes down into the mill, is huge!"

- Sandy Day, Riverina, NSW



**HARRINGTON SEED
DESTRUCTOR**

"Burning windrows would normally take a couple of weeks and a lot of late nights. Now that we have the Seed Destructor, we've saved organic matter, labour and time, not to mention a plus for the environment."

- Roger Dring, Carnamah WA

"It's a bit addictive. You see some ryegrass near the gate so you drive the header over there to make sure you get it and then keep going. You know that at least 99% of all the weeds that go through the front aren't going to germinate."

- Ian Knapp, Katanning WA

RESULTS SPEAK FOR THEMSELVES.

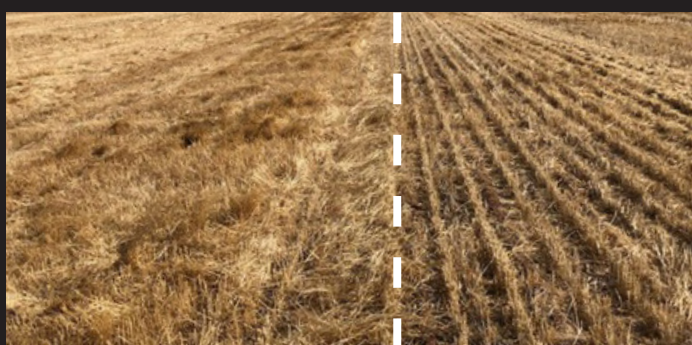
Without iHSD

With iHSD



Without iHSD

With iHSD



Weed species	Seed No.	Seed kill (%)
Annual ryegrass	1000	96%
Wild oats	200	99%
Brome grass	200	98%
Awnless barnyard grass	1000	99%
Flaxleaf fleabane	25000	99%
Sow thistle	3000	99%
Wild radish	200	99%
Indian hedge mustard	2000	99%
Windmill grass	3000	97%
Barley grass	500	99%
Feathertop Rhodes grass	3000	98%

Walsh MJ, Broster JC, Powles SB (2017) iHSD mill efficacy on the seeds of Australian cropping system weeds. Weed Technology.

KEY FEATURES:



- ✓ **DESTROY UP TO 99.9%**
OF TARGETED WEED SPECIES
- ✓ **ONE PASS HARVEST WEED SEED CONTROL**
NO CHAFF CARTS, NO WINDROWS, NO BURNING
- ✓ **PROVEN**
OVER A DECADE OF COMMERCIALY BUILT HSD AND IHSD PRODUCTS
- ✓ **IMPROVES FUTURE WEED CONTROL**
REDUCES HERBICIDE RESISTANT WEEDS
- ✓ **AUSTRALIAN DESIGNED & BUILT**
25 YEARS OF RESEARCH, DEVELOPMENT, TESTING & REFINEMENT



RAY HARRINGTON.

Western Australian farmer, Ray Harrington, has spent more than 20 years developing methods for harvest weed seed management, the results of which have led to the iHSD.

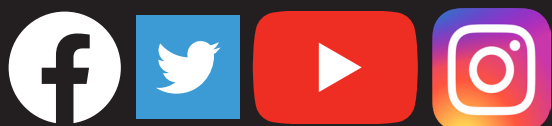
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Although every effort has been made to display accurate information, no responsibility will be taken for any errors contained in this publication.

AVAILABLE TO FIT MODELS:

New Holland		CASE IH			John Deere	
9090	10.90	9250	8250	7250	S690	S790
8090	9.90	9240	8240	7240	S680	S780
9080	8.90	9230	8230	7230	S670	S770
9070		9120	8120			

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SIMPLER. BETTER.

Dealer Information: