

Thinking Canola...Why not Clearfield?

Growers who are thinking about using Canola in their rotation this year, but are worried about keeping paddocks clean, should strongly consider Clearfield.

The Clearfield Production System for Canola combines leading genetics and high performance Canola varieties with ground breaking solutions for weed control. The new Clearfield Canola varieties have been developed through conventional breeding and are therefore non-GMO.

The Clearfield Canola Production System is essentially comprised of three components:

1. ONDUTY Herbicide

- ONDUTY is a Group B herbicide
- It provides a broad spectrum knockdown and residual weed control
- It is easy to use
- Reduces the reliance on triazine and Group A grass herbicide used in the canola phase of the rotation
- Good plant-back profile for flexible crop rotations



OnDuty applied to canola in Victoria, the unsprayed strip (left) shows flowering wild radish and black oats that has completely choked the canola crop out

On-Duty herbicide coupled with Clearfield canola varieties offers broad-spectrum weed control allowing canola to be grown in paddocks where conventional canola could not.

2. Non-GMO, high yielding canola varieties

Lower Rainfall North<550mm, centre/south <500mm		High Rainfall North>500mm, centre/south >450mm
Early maturing	Early-mid maturing	Mid maturing
44C73	45Y77	45C75
	Warrior CL	46C76
		Rocket CL

3. Best Management Practice (BMP) Program

The Clearfield Production System for Canola must be implemented in accordance with BMP. This program is designed to optimise the in-field performance of the CLEARFIELD Production System

If you require any further information, please call your local Pursehouse Rural agronomist.

Have you seen this man without a beard?

John Stent has agreed to shave his beard and hair off to raise money for Relay for Life. That's right and you won't believe, John has not had a shave for 26 years.

Target minimum \$3,000.00

Donations can be made at Pursehouse Rural

Cheques payable to Relay for Life, donations over \$2.00 Tax deductible
For further details contact Ann or John Stent on 6746 1686



Prussic Acid in Forage Sorghum & its Management

Prussic Acid:

Prussic acid is not normally present in plants, however under certain conditions, several species of plants can accumulate large quantities of cyanogenic glycosides, which are converted to prussic acid. Ruminant animals are more susceptible to prussic acid poisoning than monogastric animals. Sheep are more resistant to poisoning than cattle due to the different enzyme systems in their fore-stomachs.

Factors increasing chances of prussic acid poisoning and their management:-

- Stress is the major influence, especially moisture stress when the plant is in the young stage <1metre. Frost and herbicides can also cause the crop to become stressed. To overcome this, do not allow stock to graze moisture stressed, immature, wilted or frost damaged plants.
- Crop stage:- once a healthy plant has reached 80cm to 1m, the level of prussic acid is considered to be out of the dangerous stage.
- The risk also varies within sorghum types:- sudan grasses<sorghum x sudan<sweet sorghum + grain sorghum. ie superdan<sweet jumbo<sugargraze.
- Nutrient Balance:- High plant nitrogen especially after top dressing, and low soil phosphorus and animal sulphur deficiency can all affect prussic acid levels. Supplementation of sulphur will increase the animal's efficiency at converting prussic acid to a non-toxic compound.
- Hungry animals are at a greater risk, as they will normally consume a larger amount of the toxic material in a shorter period of time. Introduce stock that have been pre-fed.
- When buying sorghum hay, make sure that it was cut during low-risk conditions, as there is no decrease in prussic acid content in the process of haymaking.

Signs of poisoning:-

- Muscle trembling and staggers.
- Deep and rapid breathing.
- Anxiety and restlessness.
- Vomiting, frothing and convulsions.

However sickness is rarely seen, because death is so quick, usually occurring within the hour, making treatment of animals generally impractical.

Mullaley Specials
Massive
V Belt Sale
All Sections Available

Quirindi Specials
Garden Power Equipment
Clearance
Brushcutters
Hedge Trimmers
Blowers

February Weather Summary

visit http://www.pursehouserural.com.au/services/weather_station.html

Location	Average Temp (°C)	High Temp (°C)	Low Temp (°C)	Number of Days > 35°C	Rain mm	Average Wind Speed Km/h	High Wind Speed Km/h	Dominant Wind Direction
Cattle Lane, Willow Tree	23.9	37.9	11.8	4	43.0	12.2	66.0	SSE
"Murlow", Quirindi	23.7	36.9	11.6	4	38.8	8.0	45.1	SSE
"Dow Site", Breeza	25.0	39.2	14.1	6	103.8	9.6	83.7	SSE