

Aventis 'Cosmos' in Canola Aventis

AIM

The aim of this trial was to demonstrate the effectiveness of Cosmos seed dressing on canola for the control of insect pests such as wireworm and red legged earth mite.

METHOD

Pinnacle canola was sown on May 11. Treatments compared were the seed dressings Cosmos and Gaucho; and the current practice for wireworm, which is chlorpirifos (Lorsban). The trial was replicated.

RESULTS

Figure 1. Canola emergence recorded 14 and 27 Days After Sowing (DAS)

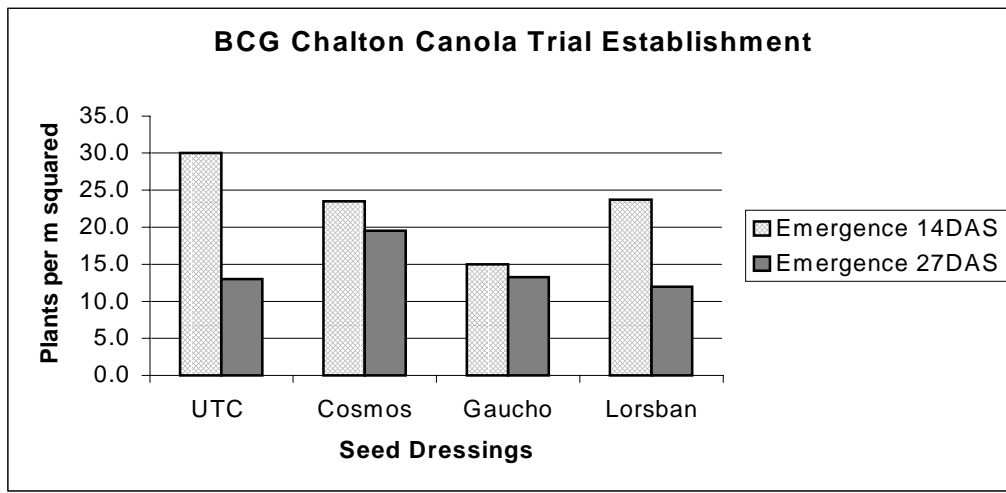


Table 1. Canola Yield

	Rate	Canola yield (t/ha)
Control		0.46
Cosmos	0.4L/100kg seed	0.43
Gaucho	0.4L/100kg seed	0.56
Lorsban	1L/ha pre-sowing	0.34
Significant difference:		NS

INTERPRETATION

Emergence of Canola has been reduced over time. The emergence figures (Chart 1) show that Cosmos is the best survival of the four treatments after 27 DAS (days after sowing) followed by Gaucho, UTC and Lorsban.

This year was unusual in that red legged earth mite pressure at sowing was very low and no damage was done to the control plot. Wireworm damage had been observed previously in the paddock but in 2000 there was no evidence of wireworm damage. Cosmos seed dressing showed good tolerance in canola. There was also some spray drift on to the site, which may have affect yield.