



PERSISTENT PROTECTION AGAINST CANE GRUBS

1. Long lasting protection
2. Powerful systemic action

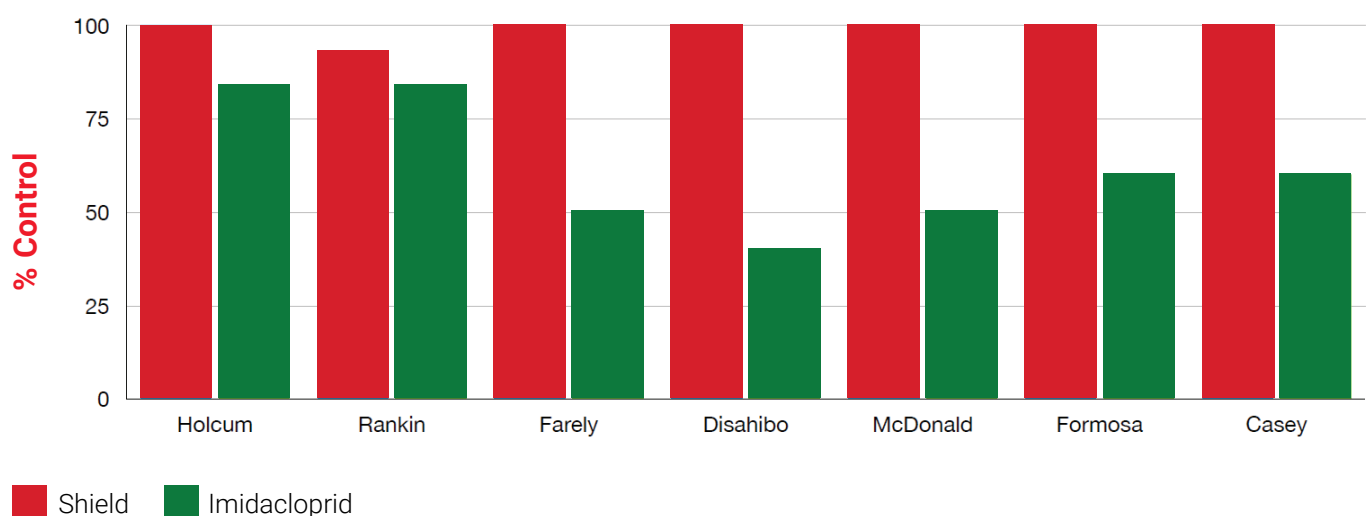
Shield is a highly systemic and effective insecticide registered for the control of Greyback and Childers canegrub in sugarcane.

- Soil applied control
- Stops canegrubs from feeding
- Acts through both ingestion and direct contact
- New more affordable pricing
- Long lasting protection across multiple ratoons

Seven individual trials were conducted in 2024 comparing the control of Greyback cane grubs with Shield compared to Imidacloprid. The bars indicate the % of cane grub control assessed in the digs compared to the untreated. The results of these 7 trials clearly show that Shield is still performing well whereas imidacloprid is not.



Greyback Cane Grub Control Trials 2024



The seven trial sites summarised in the table above were conducted under high levels of Greyback cane grub pressure at Proserpine (4 sites), Mareeba (2 sites) and Dimbulah (1 site) in 2024.

CANE GRUB TRIAL DATA

Bundaberg. ES-04-05

Q155 2nd ratoon. Applied 5 Nov by 2 coulters spaced 31cm apart across stool.

Mean number of surviving Childers canegrub larvae per stool, and harvest yield.

Treatment and rate	Rate (g ai/ha)	No grubs/stool 47 DAA
Untreated Control	nil	11.2a
Shield 1.25L/ha	250	4.5cd
Shield 1.75L/ha	350	7.0b
Shield 2.5L/ha	500	3.6d
Confidor* Guard 1.42L/ha	500	5.6bc
p value		0.000

South Johnstone. I07-048.

Q186 plant cane treated by band spraying over the billets before furrow closure at planting.

Results

Mean number of Greyback cane grubs per stool at 4 and 17 months after application

Trt	Product	Product Rate (kg or L/ha)	Active Rate (g ai/ha)	Mean number of cane grubs/stool	
				4 months after application	17 months after application
1	Untreated Control	Nil	Nil	1.19 b	2.06 c
2	suSCon* Maxi	10 kg	500	0.00 a	0.25 ab
3	Shield	2.5 L	500	0.06 a	0.19 a
4	Confidor* Guard	1.43	500	0.00 a	0.50 b
p Value				0.0000	0.0000

Means within columns followed by a common letter are not significantly different (Pr=0.05)

DIRECTIONS FOR USE

Sugarcane (plant cane)	Greyback canegrub (<i>Dermolepida albohirtum</i>)	2.5 L/ha. This applies to dual row planting as well. (Equivalent to 38 mLs per 100 m of single row cane with a 1.52 m spacing)	DO NOT apply as a foliar application. DO NOT apply more than one soil application of SHIELD per crop per season. In dual rows the amount required per hectare should be split and applied to both rows. Refer to APPLICATION directions under GENERAL INSTRUCTIONS .
Sugarcane (Ratoon Cane)	Greyback canegrub (<i>Dermolepida albohirtum</i>)	1.75 – 2.5 L/ha (equivalent to 27 – 38 mL per 100 m of cane row with a 1.52 m spacing).	DO NOT apply as a foliar application. DO NOT apply more than one soil application of SHIELD per crop per season. Use the high rate where higher pressure is expected (more than 2 grubs/stool) to fields at high risk of greyback damage. Apply as a subsurface soil application with coulters. Refer to APPLICATION directions under GENERAL INSTRUCTIONS .
	Childers canegrub (<i>Antitrogus parvulus</i>)	1.25 – 1.75 L/ha (equivalent to 19 – 27 mL per 100 m of cane row with a 1.52 m spacing).	Monitor for the presence of grubs starting in September and apply immediately grub numbers reach an economic threshold (about 3 grubs/stool). Use the high rate when grub populations are high (e.g. an average of more than 5 grubs/stool) or if application is after damage has become visible. Refer to APPLICATION directions under GENERAL INSTRUCTIONS .

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 about Shield.