

INSECTICIDE RESISTANCE MANAGEMENT (IRM) STRATEGY for DIAMONDBACK MOTH for SOME VEGETABLE BRASSICA CROPS in Western Australia (Update No. 14, Sept. 2009)

Consult product labels and / or permits for registrations on specific vegetable brassica crops
ALWAYS TARGET GRUBS, NOT MOTHS

<i>Window 1: 1 Jun - 30 Nov</i>	<i>Window 2: 1 Dec - 31 May</i>	Crop stage
Bt's (<i>Bacillus thuringiensis</i>): e.g. Dipel, Delfin, Full-Bac, Xentari, Bacchus		¹ WHP not required when used as directed
spinosad (Entrust, Success ²) WHP 3	indoxacarb (Avatar) WHP 7	Early
chlorantraniliprole (Coragen) WHP 7 (active ingredient branded as rynaxypyr [®])	fipronil (Regent, Regal) WHP 7	Mid-late
flubendiamide (Belt) WHP 3	emamectin (Proclaim) WHP 3	↓
chlorfenapyr (Secure) WHP 7		↓
SP's: alpha-cypermethrin (e.g. Dominex, Fastac); cypermethrin (e.g. Cypermethrin); beta-cyfluthrin (² Bulldock)		Late
..... deltamethrin (e.g. Deltashield 27.5, Ballistic); esfenvalerate (Sumi-Alpha Flex); permethrin (e.g. Pounce); tau-fluvalinate (e.g. ³ Klartan); gamma – cyhalothrin (Trojan); lambda – cyhalothrin (e.g. Karate, Matador)		↓
OP's: acephate (Orthene Xtra, Lancer); maldison (e.g. ⁴ Hy-Mal)		↓
chlorpyrifos (e.g. Lorsban)		↓
methamidophos (Nitofol, Monitor); prothiofos (⁶ Tokuthion)		↓
OP: mevinphos (Phosdrin) (Insecticide of last resort; restrictions apply, refer to label)		↓

¹WHP = withholding period (days). ²WHP for **Bulldock** on broccoli is 3 days. ³**Klartan** is only registered on cauliflowers. ⁴**Hy-Mal** registered for cabbage and cauliflower only. ⁵WHP for **Orthene Xtra & Lancer** on broccoli is 14 days. ⁶**Tokuthion** is not registered for cauliflower.

General note: A different withholding period may be required for some products for some export destinations. Check label and contact the manufacturer for details.