



#### GENERAL INFORMATION

**Tracer** belongs to a new class of products derived as a natural fermentation product isolated from the Actinomycete (*Saccharopolyspora spinosa*). It has a unique mode of action, which makes it ideally suited for resistance management programs and acts as both a contact and stomach poison. It has demonstrated excellent control on a wide range of pest crops and offers a large margin of safety to man, beneficial insects/mites and the environment making it a valuable tool in Integrated Pest Management (IPM) programs.

**Tracer** controls insects belonging to the order: Lepidoptera, Diptera, Coleoptera, Isoptera, Hymenoptera, Siphonoptera, and Thysanoptera.

Tracer Naturalyte Insect Control works by both contact and ingestion. Exposed larvae stop feeding almost immediately but can take up to 3 days to die.

#### Integrated Pest Management (IPM)

**Tracer Naturalyte Insect Control** applications do not significantly reduce populations of natural predatory

arthropods including; ladybird beetles (*Coccinella*, *Diomus* and *Harmonia* spp.), lacewings (*Chrysopa* sp.), big-eyed bug (*Geocoris* sp.), pirate bugs (*Orius* spp.), damsel bug (*Nabis* sp.), apple dimpling bug (*Campylomma* sp.), and spiders. When preserved, these beneficial arthropods can aid in the extended natural control of insect pests and reduce the likelihood of secondary pest outbreaks.

**HIGHLY TOXIC TO AQUATIC INVERTEBRATES.** Do not apply directly to water. Do not contaminate water when dispensing of equipment wash-waters.

#### TOXICITY TO BEES

The product is toxic to bees exposed to direct treatment on blooming crops or other vegetation. Avoid use when bees are actively foraging. In lab tests it was found to be toxic to bees, but in practice was safe to bees after the spray drift had dried. Under normal field conditions the product thus exhibits low to moderate toxicity.

#### COMPATIBILITY

Tank mix trials are limited. However, when tank mixing **Tracer** with other materials, a compatibility test (jar test) using relative proportions of tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. It is known that **Tracer** can be tank mixed with Abamectin, Sulphur 72%, and Triadimenol. Do not tank mix with Neem oil (97%).

#### MIXING

Agitate or shake the container immediately prior to use. Half fill the spray tank and add the appropriate amount of accurately measured **Tracer**, then complete filling of the tank. Ensure thorough agitation by mechanical or hydraulic action at all times during mixing and application.

Use only clean water within the range pH 5-9 to dilute **Tracer**.

#### PHYTOTOXICITY

TRACER is not phytotoxic at recommended label rates on the mentioned crops.

**DIRECTIONS ON USE**

CROP	PEST	APPLICATION RATE ML/Ha	SPRAY VOLUME Litres per hectare	NOTES
<b>Vegetables</b>	Thrips spp.	200	500 - 1000	Pre-harvest intervals: Beans + Shelled peas: 1 day Onions: 1 day Lettuce, cabbages: 1 day Snow peas: 1 day Brassicas: 1 day
Beans	<i>Frankliniella</i>			
Peas	<i>Megalorathrips</i>			
Cabbages	Diamond backmoth	200		
Lettuce	<i>Plutella</i> spp.			
Sprouts	<i>Spodoptera littoralis</i> .			
Onions	Caterpillars	300		
	<i>Lepidoptera</i>			
	<i>Heliopsis</i> 200			
<b>Tomatoes &amp; Peppers</b>	Leafminer	500 or	500 - 1000 ensure good coverage when spraying Leafminers	Pre-harvest interval 1 day
	<i>Liriomyza</i> spp	300 + 0.5% summer oil		
	Thrips spp.	200		