



INNOVATIVE and AUSTRALIAN

COUNTER

Systemic Insecticide-Nematicide



COUNTER is a Systemic Insecticide-Nematicide, with excellent initial and residual activity against soil pests.

EFFICACY

The effectiveness of **COUNTER** for the control of a complex of nematodes in bananas is well known. The most important of these nematodes, *Radopholus similis*, attacks the plant's root system causing losses from reductions in stem weight and yield. The use of **COUNTER** gives excellent control of these pests and has improved the root mass and the percentage of functional roots, resulting in increased yields.

SO EASY TO USE

COUNTER comes as a granule formulation and is easy to use. Taken up from the soil into the tree, **COUNTER** stops the debilitating effect of these pests and associated secondary infections. **COUNTER** is designed to make things easier and more effective and is formulated as a very high quality dust free granular carrier. The high quality of the carrier in the formulation Carrier minimises the exposure of applicator to dust.

SOLUBILITY

COUNTER has a water solubility of 5ppm which ensures good performance under variable conditions. Water solubility is related to the product's distribution in the soil and performance under extreme environmental conditions and compounds that are highly water-soluble can perform poorly under very moist conditions.

MOBILITY

COUNTER has a partition coefficient of 4,796 in *n*-octanol/water, which indicates intermediate or limited soil mobility. Soil mobility of a product is determined in part by its soil/water partition coefficient. Partition coefficients that are significantly lower have a high probability for soil leaching, while coefficients that are significantly higher indicate high absorption of the product to soil particles.

PERSISTENCE

The most common measurement of persistence is the half-life, the amount of time required for a compound to degrade to one half of its original soil residue level. Once **COUNTER** is applied to the soil it degrades rapidly and forms several metabolites. Two predominant metabolites are the sulfoxide and the sulfone, which also have insecticidal activity. The half-life of **COUNTER** in soil ranges from 9 to 27 weeks depending on soil and environmental conditions.

COUNTER is particularly suited for Banana production in an environment of high rainfall where leaching and degradation of granular insecticides are problematic. **COUNTER** offers a viable solution in these difficult conditions. The solubility profile, low leaching potential and strong residual properties of **COUNTER** will insure protection for a full crop cycle.

COUNTER



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DIRECTION OF USE

CROP	PEST	STATE	APPLICATION RATE	CRITICAL COMMENTS
Bananas	Burrowing nematode (<i>Radopholus similis</i>)	QLD, NSW, WA ONLY	13g/tree (nematodes)	<p>DO NOT apply near farm buildings or dwellings where unprotected persons may come into contact with the product. Re-apply at 4 monthly intervals as required.</p> <p>Granular applicator: Flat ground: Unbunched trees: Remove trash from base of the stool and apply evenly to the soil surface in the area covered by a 50cm radius around each tree. Bunched trees: Spread granules in a 50cm radius semi circle on the high side of the tree. For best results apply just prior to irrigation or rainfall.</p> <p>Mechanical application: Apply in a continuous band either side of tree line using 13g per m² for nematodes or 20g per m² for weevil borers.</p> <p>Single row, single sucker plantations. Apply 50cm either side of tree line (approx. 1.5m wide band).</p> <p>Single row, single sucker plantations. Apply 50cm either side of tree line (approx. 1.5m wide band).</p> <p>Double row, single sucker plantations. Apply 50cm from centre of follower on outside of each row (approx. 2m wide band).</p>
	Banana weevil borer	QLD ONLY	<p>20g/tree (weevil borers)</p> <p>OR</p> <p>1.30kg/100m row (nematodes) 2.00kg/100m row (weevil borers)</p> <p>1.95kg/100m row (nematodes) 3.00kg/100m row (weevil borers)</p> <p>2.60kg/100m row (nematodes) 4.00kg/100 row (weevil borers)</p>	



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The effectiveness of **COUNTER** for the control of wireworms in maize is well known. Wireworms (Family Elateridae) feed on seed as well as the underground stems of juvenile plants. This can cause poor seed strike as well as death of growing points and wilting,. The use of **COUNTER** gives excellent control of wireworm and improves seed strike as well as growth and survival of juvenile plants.

SO EASY TO USE

COUNTER is easily applied at planting using the Lock'n Load system. The Lock'n Load container is placed directly on the applicator, available for immediate use. This minimises handling difficulties and the potential for spills or workplace injuries.

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PACK SIZE

18kg

COUNTER



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DIRECTION OF USE

Crop	Pest	Application Rate	Critical Comments
Maize, Sorghum, Sweet Corn	Wire- worm	1.7-2.0 kg per ha of crop, Based on 1 M rows	DO NOT apply near farm buildings or dwellings where unprotected persons may come into contact with the product. Contact with skin or breathing is extremely dangerous.
Sunflowers	Wire- worm	17 to 20g per 100m of row	<p>Apply while sowing, directly into the seed furrows and close to the seed using a granule applicator calibrated to deliver the required rate, which has a matching female coupling installed in the lid. Remove Lock 'n Load container cap, invert container and screw onto the applicator box. This action will open the valve on the container and allow product to flow into the applicator. Remove container.</p> <p>Adjust the application rate for other row spacings using 17-20g COUNTER 150G per 100 m of row. Use the higher rate in areas known to have a regular wireworm problem.</p>
Peanuts		55g per 100m of row	Apply the granules directly into the seed furrows at planting or as a 15cm band over the row and mixed into the soil

CONTACT

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