



Rugby® 100G
NEMATOCIDE / INSECTICIDE

DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

GR

FORMULATION TYPE
Granule

ACTIVE CONSTITUENT:
100 g/kg CADUSAFOS (an
anticholinesterase compound)

CONTENTS:
15 kg



For the control of nematodes in bananas, citrus, ginger, sugar cane, tobacco and tomatoes, banana weevil borer in bananas and southern one year canegrubs in sugar cane as per the Directions for Use.

SAFETY DIRECTIONS

Very dangerous. Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate the eyes. Avoid contact with eyes and skin. When using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and impervious footwear. If dust is present wear half facepiece respirator with dust cartridge or canister. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with soap and water. After each day's use, wash gloves and respirator (if rubber wash with detergent and warm water) and contaminated clothing.

FIRST AID

If swallowed, splashed on or in eyes, or inhaled, contact a Poisons Information Centre Phone eg Australia 13 11 26; New Zealand 0800 764 766 or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet that can be obtained from www.fmccrop.com.au

GENERAL INSTRUCTIONS

Even distribution of the granules is essential for effective control.

PROTECTION OF LIVESTOCK

Remove domestic animals from the operating area while granules remain on the soil surface.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

Dangerous to fish and other aquatic organisms. DO NOT allow irrigation water to runoff the orchard into creeks and dams. **DO NOT** leave spilled granules unattended or on the soil surface. Keep unprotected persons, animals and other wildlife away from spilled granules. Where possible recover and re-use or dispose of spilled granules.

Highly toxic to birds – incorporation by irrigation according to the label directions is vital in order to reduce exposure. Ensure that all spilled granules are thoroughly covered and/or buried and not accessible to birds, domestic animals and other wildlife.

RE-ENTRY

DO NOT allow re-entry into treated areas until the treated areas have been fully irrigated as per the Directions for Use. When prior entry is necessary, wear impervious footwear and chemical resistant gloves. Footwear and gloves must be rinsed after each day's use.

STORAGE AND DISPOSAL

DO NOT store near (or allow to contact) fertilisers, fungicides or pesticides. Store in the closed, original container in a well-ventilated area, as cool as possible. **DO NOT** store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animal, food, feed stuffs, seed and fertilisers. Dispose of unwanted waste product by burying under 500 mm or more of soil in a non-crop, non-pasture away from water sources or homes.

DO NOT re-use empty containers. Destroy empty containers by crushing and puncturing them. Dispose of the empty containers at a local authority landfill that does not burn its refuse. If there is no local authority landfill readily available, bury the containers at a depth of 500 mm or more at a licensed/approved disposal site. **DO NOT** burn empty containers or product.

DIRECTIONS FOR USE

RESTRAINTS

HIGHLY TOXIC TO BIRDS AND AQUATIC ORGANISMS – INCORPORATION AND/OR IRRIGATION ACCORDING TO LABEL DIRECTIONS IS VITAL IN ORDER TO REDUCE EXPOSURE.

FOR BANANAS WHERE INCORPORATION AND/OR IRRIGATION IS NOT FEASIBLE, THE REMOVED TRASH SHOULD BE RETURNED IMMEDIATELY AFTER APPLICATION.

CROP	PEST	STATE	RATE OF APPLICATION	WHP	CRITICAL COMMENTS
Bananas	Burrowing nematode (<i>Radopholus similis</i>) Root-knot nematode (<i>Meloidogyne spp.</i>) Spiral nematode (<i>Helicotylenchus dihystra</i>)	NSW & WA only	Hand application: 20 g / stool three times a year OR 30 g / stool twice a year. Mechanical application: <u>Single row:</u> 1.3 kg / 100 m row three times a year OR 2 kg / 100 m row twice a year <u>Double row:</u> 2.6 kg/100 m double row three times a year OR 4 g/100 m row twice a year	14 days	Hand application: Remove trash from base of stool and apply granules evenly to the soil surface in the area covered by a 30 cm radius around each stool. For best results apply just prior to irrigation or rainfall. Mechanical application: <u>Single row:</u> Treat a 0.6 m band on each side of the centre of the row. <u>Double row:</u> Treat a 1.25 m band on each side of the centre of the two rows.
Bananas	Burrowing nematode (<i>Radopholus similis</i>)	Qld only	Hand application: 20 g / stool three times a year Mechanical application: <u>Single row:</u> 1.3 kg / 100 m row three times a year <u>Double row:</u> 2.6 kg/100 m double row three times a year	14 days	Hand application: Remove trash from base of stool and apply granules evenly to the soil surface in the area covered by a 30 cm radius around each stool. For best results apply just prior to irrigation or rainfall. Mechanical application: <u>Single row:</u> Treat a 0.6 m band on each side of the centre of the row. <u>Double row:</u> Treat a 1.25 m band on each side of the centre of the two rows.
Bananas	Banana weevil borer (<i>Cosmpolites sordidus</i>)	Qld only (not in NSW)	Hand application: 30 g / stool three times a year Mechanical application: <u>Single row:</u> 2 kg / 100 m row three times a year <u>Double row:</u> 4 kg/100 m double row three times a year	14 days	Hand application: Remove trash from base of stool and apply granules evenly to the soil surface in the area covered by a 30 cm radius around each stool. For best results apply just prior to irrigation or rainfall. Mechanical application: <u>Single row:</u> Treat a 0.6 m band on each side of the centre of the row. <u>Double row:</u> Treat a 1.25 m band on each side of the centre of the two rows.
Citrus	Citrus nematode (<i>Tylenchulus semipenetrans</i>) Stubby root nematode (<i>Paratrichodorus lobatus</i>)	All States	Hand application: 15 g / m ² three times 2 months apart OR 25 g / m ² applied twice 2 months apart Mechanical application: 3 kg [^] / 100 m row applied three times 2 months apart OR 5 kg [^] / 100 m row applied twice 2 months apart [^] Based on a 2 m treated row band (1 m band on each side of the trunk row). Adjust the rate/100 m row in proportion to the band width treated.	14 days	Remove heavy leaf litter or mulch from the soil surface under the canopy of the citrus trees prior to each application. Apply granules evenly to the soil surface of the selected rate from the trunk to just outside the dripline of each tree or in the case of mechanical application in an even band from the centre of the row to just outside the tree row dripline. Apply 25 to 50 mm of overhead or overlapping under tree spray irrigation as soon as possible after each application. Monitor nematode populations after 12 months following the last application of treatments and retreat after nematodes reach economic thresholds.

CROP	PEST	STATE	RATE OF APPLICATION	WHP	CRITICAL COMMENTS
Ginger	Root-knot nematode (<i>Meloidogyne spp.</i>)	Qld only	<u>Early harvest crop:</u> 100 kg / ha pre-plant <u>Late harvest crop:</u> 100 kg / ha pre-plant + 100 kg / ha mid season + 100 kg/ha late season	-	Pre-plant: Apply granules evenly across planting bed and thoroughly incorporate with a rotary hoe to a depth of 10-15 cm. Mid-late season: Apply granules across bed and thoroughly incorporate using 25 mm of spray irrigation.
Sugar cane	Root-knot nematode (<i>Meloidogyne spp.</i>) Spiral nematode (<i>Helicotylenchus dihystra</i>) Stubby root nematode (<i>Paratrichodorus lobatus</i>)	Qld only	40 kg / ha (600 g / 100 m row)	-	Apply granules in a band 30-40 cm wide over the centre of the row to plant cane at early tillering and incorporate to a depth of 3-5 cm with finger rakes. Apply before rain or irrigate with 25 mm immediately afterwards.
	Negatoria canegrub (<i>Lepidiota negatoria</i>) Southern one-year canegrub (<i>Antitrogus consanguineous</i>)	Qld only	20 g / ha OR 300 g / 100 m row	-	Apply granules when grubs first appear in the stool within 15 cm of the soil surface. Band Application (Sandy soils without surface trash) Apply in a 30-40 cm band centred on the row and incorporate with finger rakes to a depth of 3-5 cm. Apply before rain or apply 25 mm of spray irrigation within 48 hours of application. Coulter Application Apply the granules in 2 narrow bands through delivery tubes at the rear of paired coulter discs 20-25 cm apart, one on each side of the stool. The granules should be placed 10 cm below the soil surface. Apply before rain or apply 25 mm of spray or furrow irrigation within 48 hours of application.
	Childers canegrub (<i>Antitrogus parvulus</i>)		20-25 kg / ha OR 300-375 g / 100 m row	-	Application Method and Timing Apply granules when bugs first appear in the stool within 15 cm of the soil surface. Use the higher rate when heavy infestations (more than 5 grubs / stool) occur. Coulter Application Apply the granules in 2 narrow bands through delivery tubes at the rear of paired coulter discs 20-25 cm apart, one on each side of the stool. The granules should be placed 10 cm below the soil surface. Apply before rain or apply 25 mm of spray or furrow irrigation within 48 hours of application.
Tobacco (Field only)	Root-knot nematode (<i>Meloidogyne spp.</i>)	Qld, NSW & Vic only	60 g / ha	-	Broadcast granules and thoroughly incorporate using a rotary hoe to a depth of 10-15 cm before bed formation.
Tomatoes (Transplanted only)	Root-knot nematode (<i>Meloidogyne spp.</i>)	Qld only	100 kg / ha (10 g / m ² of treated band)	-	Apply pre-transplant in a 60 cm band over the centre of the planting bed and thoroughly incorporate using a rotary hoe to a depth of 10-15 cm. Inadequate soil incorporation may cause crop damage.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

Bananas: **DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

Citrus, Ginger, Sugar cane, Tobacco and Tomatoes: **NOT REQUIRED WHEN USED AS DIRECTED.**

Citrus: **DO NOT GRAZE TREATED AREA, DO NOT CUT FOR STOCK FOOD.**

WARNINGS

UN 2783 – Pesticides, Organophosphorus, Solid, Toxic* (10% cadusafos)

PG II – Hazchem Code 2X

NOTICE TO BUYER

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The product must be used and applied strictly in accordance with the label instructions and other directions for use. It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of FMC or the Seller. Buyer accepts these risks.

IN A TRANSPORT EMERGENCY CALL 000 POLICE OR FIRE BRIGADE

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