



The miracles of science™

LANNATE® 900 SP

Reg. No. L2011 Act No. 36 of 1947

Reg. Nr. L2011 Wet No. 36 van 1947

A water soluble short residual contact insecticide for the control of various insects on crops as listed.

'n Wateroplosbare kontakinsek-doder met 'n kort nablywende werking vir die beheer van verskeie insekte op gewasse soos aangedui.

ACTIVE INGREDIENT

Methomyl (carbamate)

900 g / kg

AKTIEWE BESTANDDEEL

Metomil (karbamaat)

Nett Mass

10 x 100 g

Netto Massa

REGISTERED BY / GEREGISTREER DEUR:

DUPONT DE NEMOURS SOUTH AFRICA
(PTY) LTD
Co. Reg. No. 2009/014079/07
P O BOX / POSBUS 3332
HALFWAY HOUSE 1685
Tel: (011) 218 8600

**24 HOUR/UUR EMERGENCY
NUMBER/ NOODNOMMER:
083 123 3911**

UN No. / VN Nr. 2757

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG



**GIFTIG
TOXIC**



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LANNATE® 900 SP

Reg. No. L2011 Act No. 36 of 1947

A water soluble short residual contact insecticide for the control of various insects on crops as listed.

WARNINGS

ALLOW THE FOLLOWING TIMES BETWEEN LAST APPLICATION AND HARVEST OR GRAZING (FEEDING):

Brussel, sprouts, broccoli, cabbage & cauliflower	:	4 days
Citrus	:	120 days
Green beans and potatoes	:	3 days
Grain sorghum, grazing, lucerne, lupins, maize and wheat	:	7 days
Peaches	:	16 days
Sunflowers	:	28 days
Tobacco (flue-cured)	:	7 days
Tobacco (air-cured)	:	14 days
Tomatoes	:	2 days

Do not use **LANNATE®** in combination with G-49 wetter on tobacco seedbeds or on citrus.

DO NOT SPRAY CITRUS AFTER MID DECEMBER

Handle with extreme care.

HARMFUL OR FATAL BY SWALLOWING, BREATHING OR SKIN CONTACT.

Absorbed through skin and eyes.

TOXIC TO FISH AND WILDLIFE.

Store under lock and key in a cool dry place out of reach of children and animals and away from food and feed, in accordance with the Hazardous Substances Act (Act No. 15 of 1973).

DO NOT USE IN THE HOME GARDEN.

IN CASE OF POISONING CALL A DOCTOR IMMEDIATELY and make this label available to him.

Keep container well closed.

AERIAL APPLICATION - notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier immediately in the event of any uncertainty.

PRECAUTIONS

Do not inhale dust or spray mist.

Wear protective clothing (respirator, boots, overall and rubber gloves) when handling the product.

After work wash entire body with soap and water.

Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes.

Prevent contamination of food, eating utensils, feed and drinking water.

Wash contaminated clothing and protective equipment in strong washing soda solution and rinse thoroughly before wearing again.

Prevent spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean all equipment thoroughly after use and do not pollute the environment with wash water.

CONTAINER RINSE AND DISPOSAL

Containers and packages must be completely emptied before being disposed of.

Shake out thoroughly into the mixing or spray tank before destroying the empty container.

SYMPTOMS OF HUMAN POISONING:

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pain, vomiting, blurred vision, muscle twitching, usually small pupils, respiratory distress, coma.

ANTIDOTE:

Atropine sulphate

FIRST AID TREATMENT:

ALWAYS OBTAIN TREATMENT BY A PHYSICIAN IMMEDIATELY.

Remove patient from source of poisoning (to cool and well ventilated area) and keep him reassured and quiet. In case of accidental contact, remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin. Flush contamination out of eyes with clean water for 15 minutes. If swallowed induce vomiting by tickling the back part of the throat. Repeat until vomit is clear and free from smell of poison.

Administer artificial respiration or closed chest cardiac massage if necessary. Do not apply direct mouth to mouth respiration. Never give anything by mouth to an unconscious person.

Call a physician immediately and advise him of poisoning, or transport patient to a physician or hospital, whichever is faster. SHOW THIS LABEL TO THE PHYSICIAN.

NOTE TO PHYSICIAN

Preferred treatment of poisoning in adults is Atropine sulphate 2-4 mg, intravenously, repeated at 10 to 30 minute intervals until atropinization (dry, flushed skin and tachycardia) appears. Pralidoxime (2 PAM, Protopam) and other oximes are contra-indicated. However, for exposure to both LANNATE and an organophosphorous insecticide, 2 PAM may be used as required to supplement the atropine sulphate treatment as described.

DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

For period that has to be allowed between last treatment and harvest, see 'WARNINGS'.

COMPATIBILITY:

LANNATE® is compatible with most fungicides and insecticides normally used. IT IS NOT COMPATIBLE WITH ALKALINE MATERIALS. Do not use in combination with G49 wetter on tobacco seedbeds or on citrus.

MIXING INSTRUCTIONS:

Fill spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full of water. Start agitation (use mechanical or hydraulic agitator). Add proper number of **LANNATE**[®] water soluble bags by opening envelope and immediately dumping entire contents into the spray tank. Do not touch water soluble bag. Prior to spraying, continue filling with water and continue agitation for several minutes in order to dissolve water soluble bag and its contents entirely.

AERIAL APPLICATION:

DO NOT COMMENCE AERIAL APPLICATION BEFORE CONSULTING YOUR **LANNATE**[®] REPRESENTATIVE

LANNATE[®] can be applied aerially provided that the spray mixture is distributed evenly over the target area and the loss of spray material during application is restricted to a minimum. To achieve this, it is necessary that the following requirements are met:

Use a conventional boom. Nozzles must be equipped with hollow cone or flat fan tips. A minimum spray volume of 30 l/ha must be applied and 30-35 droplets per sq. cm must be recovered on the target area. The CV for droplet distribution must not exceed 50 %.

The following flying heights must be maintained above the target area: At wind speeds of 0-8 km/h - 3 m, at 8-15 km/h - 2 m; at more than 15 km/h - do not spray.

The difference between the wet and dry bulb readings, as determined by a whirling hygrometer, must not exceed 8 degrees.

Do not spray during the heat of the day.

Ensure that the fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met.

CROP	PEST	DOSAGE	REMARKS
BEANS	American bollworm	<u>Aerial Application:</u> 250 g/ha <u>Ground Application:</u> 50 g/100 l water	Apply in 30 l water/ha as soon as the worms appear. Repeat if necessary. (See detailed instructions above). Spray thoroughly to ensure good coverage. Apply up to 500 l spray mixture/ha.
CITRUS	American bollworm & Aphids	<u>Ground Application:</u> 20 g/100 l water	Apply as a light cover spray as soon as the pests appear. Repeat if necessary. DO NOT USE AFTER MID DECEMBER

		<u>Aerial Application:</u> 250 g/ha	Apply in 50 l water/ha as soon as aphids and worms appear. Repeat if necessary. (See detailed instructions above). DO NOT USE AFTER MID DECEMBER
	Orange dog caterpillar	25 g/100 l water	Apply as a light cover spray when larvae are noticed. DO NOT USE AFTER MID DECEMBER
CRUCIFERAE (Broccoli, Brussels sprouts, Cauliflower, Cabbage)	American bollworm	<u>Aerial Application:</u> 250 g/ha	Apply in 30 l water / ha as soon as worms appear (see detailed instructions above). Repeat if necessary.
		<u>Ground Application:</u> 250 g/ha	Apply in sufficient water to ensure good coverage.
	Aphids diamond back moth and Greater cabbage moth larvae	50 g/100 l water	Apply when the pests first appear on the leaves. Use up to 500 l spray mixture/ha. During hot weather or peak infestations repeat applications at intervals of 3-5 days. Spray plants thoroughly wet.
GRAINS SORGHUM LUCERNE, LUPINS AND WHEAT	American bollworm	<u>Aerial Application:</u> 200 g/ha	Apply in 30 l water/ha as soon as worms are noticed (see detailed instructions above). Repeat if necessary.
		<u>Ground Application:</u> 200 g/ha	Low volume: Apply in 100-200 l water/ha.
		50 g/100 l water	High volume: Apply up to 400 l spray mixture/ha.
GRAZING & OTHER CROPS	Army worm	<u>Ground Application:</u> 50 g/ha	Apply in 400 l water/ha as soon as infestation is noticed.

MAIZE	American bollworm		LANNATE® WILL NOT KILL WORMS WHICH HAVE ALREADY ENTERED THE COB.
		<u>Aerial Application:</u> 200 g/ha	Apply in 30 ℓ water / ha as soon as worms are noticed in the silks (see detailed instructions above).
		<u>Ground Application:</u> 200 g/ha	Low volume: Apply in 100-200 ℓ water/ha.
		50 g/100 ℓ water	High volume: Apply up to 400 ℓ spray mixture/ha.
PEACHES	False codling moth	50 g/100 ℓ water	<p><u>Early varieties:</u> Apply twice and make sure that the trees are sprayed thoroughly wet. Start 4 weeks before harvest and repeat after 10 days.</p> <p><u>Late varieties:</u> Apply 3 times and make sure that the trees are sprayed thoroughly wet. Start 6 weeks before harvest and repeat at 10 day intervals.</p> <p>THE REGISTERED TREATMENTS FOR FRUIT FLY CONTROL SHOULD ALSO BE APPLIED (TO BOTH EARLY AND LATE VARIETIES).</p>

POTATOES	American bollworm and Tuber moth	<u>Aerial Application:</u> 300-500 g/ha	Apply in 30 ℓ of water/ha (see detailed instructions above). Use the higher dosage rate if the spray interval exceeds one week. Against tuber moth, start application when the plants are one month old and repeat at weekly intervals during the growing season. Ridge the potatoes at least twice during the growing season. One application is sufficient to control American bollworm, but repeat if necessary.
		<u>Ground Application:</u> 50 g/100 ℓ water	For ground application spray thoroughly to ensure good coverage. Apply up to 1 000 ℓ spray mixture/ha.

SUNFLOWERS	American bollworm	<u>Aerial Application:</u> 100 g LANNATE [®] + 100 mℓ SUMICIDEN (Reg. No. L 1663 Act No. 36 of 1947) per ha.	Apply in at least 30 ℓ water per ha as soon as eggs or larvae are noticed on the plants, (± 6 weeks after planting). See detailed instructions above. These products are only effective against larvae on the leaves and on the outside of the heads. LANNATE [®] WILL NOT KILL LARVAE WHICH HAVE ALREADY ENTERED THE HEADS. LANNATE [®] AND “SUMICIDIN” ARE TOXIC TO BEES AND SHOULD THUS NOT BE SPRAYED IN THE FULL BLOSSOM PERIOD.
TOBACCO	American bollworm, Green stinkbugs (<i>Pentatomidae</i>) and Tobacco slug	<u>Aerial Application:</u> 250 g/ha <u>Ground Application:</u> 50 g/100 ℓ water	Apply in 30 ℓ water / ha as soon as infestation is noticed and repeat when necessary (see detailed instructions above). Apply as soon as infestation is noticed. Repeat when necessary. Apply up to 500 ℓ spray mixture/ha.
	Leaf miner	<u>Ground Application:</u> 50 g/100 ℓ water	Spray thoroughly as soon as infestation is noticed. Repeat at weekly intervals. Apply up to 500 ℓ spray mixture/ha.

TOMATOES	American bollworm, Aphids, Leaf miner, Thrips and Tomato Looper	50 g/100 l water	Apply as a full cover spray as soon as fruit begins to set or earlier if necessary and repeat at 7-10 days intervals during the growing season.
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SUMICIDIN (Reg. No. L1663 Act No. 36 of 1947) is the registered trade mark of Sumitomo Chemical Company, Japan.