

For further information see attached pamphlet
Vir verdere inligting sien aangehegte pamflet

Isomate®-C T T

Reg No./Nr. L6855, Act No. /Wet Nr. 36 of /van 1947

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

A synthetic mating disruption pheromone for the disorientation of the male moths of the Codling moth (CM), *Cydia pomonella*, thereby preventing them from tracing female moths for mating; for use in apple and pear orchards.

'n Sintetiese paringsontwrigtingsferomoon om die manlike motte van die Kodlingmot (KM), *Cydia pomonella*, te disoriënteer sodat vroulike motte nie opgespoor kan word vir paring nie; vir gebruik in appel- en peerboorde.

ACTIVE INGREDIENTS:

E,E-8, 10-Dodecadien-1-ol608 g/kg
Dodecanol 317 g/kg
Tetradecanol 75 g/kg

AKTIEWE BESTANDDELE:

E,E-8, 10-Dodekadien-1-ol.....608 g/kg
Dodekanol 317 g/kg
Tetradekanol..... 75 g/kg

Each dispenser contains 375 mg active ingredients

Elke vrysteller bevat 375 mg aktiewe bestanddele.

Net mass



WARNING

Netto massa

GHS WARNING STATEMENTS

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/.



REGISTRATION HOLDER / REGISTRASIEHOUER:

AECI® Limited / AECI® Beperk

Reg. No. / Nr. 1924/002590/06
P.O. Box / Posbus 14418
Witfield, 1467
Tel : (011) 823 8000
www.aeciph.com / www.aeciworld.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL
0861 555777 / 082 446 8946

ISOMATE® is the registered trademark of BioControl Ltd./is die geregistreerde handelsmerk van BioControl Bpk.

Batch No.

Lotnommer

Date of Manufacture

Vervaardigingsdatum

UN No./VN Nr. **3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**

Pamphlet

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WARNINGS:

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Store unopened in original foil envelopes at temperatures below 20°C in dry location.
If **ISOMATE-CTT** is to be stored for more than three months, it should be held under refrigeration at or below 5 °C.

Keep out of reach of children, uninformed persons and animals.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, 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 in the event of any uncertainty.

PRECAUTIONS:

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal of empty dispenser: The dispenser can be collected and put into a bag and taken to any of the approved recyclers for further handling.

RELEVANT SUBSTANCES:

Substance name (IUPAC/EC)	Concentration % by weight	Classification
		EC1272/2008
E,E-8, 10-Dodecadien-1-ol	50-60%	Skin irritation (Category 2) H315. Skin sensitization (Category 1) H317. Aquatic acute 1 H400. Aquatic chronic 1 H410.
Dodecanol	30-35%	Eye irritation (Category 2) H319. Aquatic acute 1 H400. Aquatic chronic 2 H411.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **Isomate CTT** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

FIRST AID TREATMENT

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation occurs.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention.

In case of ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if you feel unwell.

NOTE TO PHYSICIAN:

Treat symptomatically.

MODE OF ACTION:

A synthetic mating disruption pheromone.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

APPLICATION:

- A. **Rate:** Use 500 dispensers / ha irrespective of tree density.
- B. **Application method:** Twin tube dispensers should be split into the shape of a rugby ball and looped over a suitable lateral branch (finger size). **Do NOT** twist dispensers.
- * Hang dispensers in the top 70 cm of a tree. Can effectively be applied from moving trailer.
 - * Space the dispensers uniformly through the orchard, using 500 hanging points per hectare.

C. **Timing:**

Spring: (Refer D. Monitoring assisting procedure):

Dispensers will provide season long disorientation of male codling moths for 150 to 200 days depending on prevailing climatic conditions. Where a longer period of mating disruption is required a second hang should be applied after 120 days. Codling moth populations will be reduced providing

1. Dispensers are hung at the correct timing.
2. A season-long insecticide spray programme is followed for at least the first two seasons of mating disruption.
3. The insecticide spray programme followed is in accordance with INFRUITEC's resistance management recommendations. [Insecticides with different modes of action applied in each codling moth generation where possible].
4. Where insecticides are not being applied or in a reduced insecticide programme, the infestation level must not exceed 0,05% at harvest of the previous season, and "superlure" trap catches are used in accordance with the INFRUITEC guidelines.

D. **Monitor assisting procedure:**

It is recommended that a CM pheromone monitoring system be used in all mating disruption orchards to determine CM emergence patterns, to assist in assessing the success of mating disruption, and also to assist in the timing of insecticide sprays where necessary. Install CM monitoring traps baited with conventional-strength lures in middle August. Inspect traps a minimum of three days per week but preferably daily and follow the recommendations on the trap label. The first treatment of **ISOMATE-CTT** must be applied on first CM catch ["Biofix"].

Thereafter install traps baited with high release-rate (super lures) in **ISOMATE-CTT** treated orchards and monitor weekly. Very few moths, if any, should be caught in pheromone traps in mating disruption orchards. Should moths be caught in these orchards, consult your local AECI Plant Health Crop Adviser immediately.

As an additional means of mating disruption assessment, inspect fruit regularly for CM damage. Consult your local AECI Plant Health Crop Adviser if such damage is found.

E. **PRECAUTIONS:**

- * Untreated or conventionally-sprayed orchards serve as sources of mated female CM moths. Where **ISOMATE-CTT** is used adjacent to such orchards, mated females immigrating into an **ISOMATE-CTT** treated orchard can give rise to fruit damage, particularly along the borders of the mating disruption orchard. The larger the area under mating disruption, the smaller the effect of mated immigrant females. The minimum orchard size for mating disruption is 5 hectares.
- * Due to reduced pesticide use in mating disruption orchards, other pests should be monitored carefully so that timely control measures can be taken if necessary.
- * Only use insecticides which will minimize disturbing the natural balance in orchards.
- * If additional insecticides have to be applied for the control of CM, ensure that only registered products are used and consult your local AECI Plant Health Crop Adviser.

Principles of mating disruption:

For details consult the publication “ Mating Disruption Manual for Codling Moth and Oriental Fruit Moth “ by INFRUITEC.