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

Isomate® F C M

Reg. No./Nr. L7692, Act No. / Wet Nr. 36 of / van1947
Namibia: Reg No./Nr. N-AR 1206
Malawi: Reg No./Nr. MW/PCB/2020/R/0566

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 False codling moth (FCM), *Thaumatotibia leucotreta,* thereby preventing them from tracing female moths for mating; for use in avocados, citrus orchards, litchis, tree nuts (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts), pomegranates, stone fruit [including apricots, cherries (sweet and sour), nectarines, peaches, plums, prunes], table and wine grapes.

'n Sintetiese paringsontwrigtings-feromoon om die manlike motte van die Valskodlingmot (VKM), *Thaumatotibia leucotreta*, te disoriënteer sodat vroulike motte nie opgespoor kan word vir paring nie; vir gebruik in avokado's, granate, lietsjies, boom neute (ingesluit amandels, kasjoeneute, hazelneute, kastanjeneute, makadamias, pekanneute, pistasieneute, okkerneute, kokosneute, brasilië neute en dennepitte), sitrusboorde, steenvrugte [ingesluit appelkose, kersies (soet en suur), nektariens, perskes, pruime, pruimedante], tafel- en wyndruiwe.

ACTIVE INGREDIENTS:
E-8 - dodecenyl acetate 695 g/kg
Z-8 - dodecenyl acetate 295 g/kg
E/Z-8 – dodecenol 10 g/kg
Each dispenser contains a minimum of 240 mg active ingredients

AKTIEWE BESTANDDELE:
E-8 – dodekeniel asetaat 695 g/kg
Z-8 – dodekeniel asetaat 295 g/kg
E/Z-8 – dodekenol 10 g/kg
Elke vrysteller bevat 'n minimum van 240 mg aktiewe bestanddele.

NETT MASS **NETTO MASSA**



GHS WARNING STATEMENTS
Causes skin irritation.
GHS PRECAUTIONARY STATEMENTS
Wash thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/.

WARNING

AECI® PLANT HEALTH

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 / 0824468946

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

Batch No: Lotnommer:

Date of Manufacture: Vervaardigingsdatum:
UN Number: **Not regulated** / **nie gereguleer nie**

Pamphlet

Isomate® F C M

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Namibia: Reg No. N-AR 1206
Malawi: Reg No. MW/PCB/2020/R/0566

A synthetic mating disruption pheromone for the disorientation of the male moths of the False codling moth (FCM), *Thaumatotibia leucotreta,* thereby preventing them from tracing female moths for mating; for use in avocados, citrus orchards, litchis, tree nuts (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts), pomegranates, stone fruit [including apricots, cherries (sweet and sour), nectarines, peaches, plums, prunes], table and wine grapes.

ACTIVE INGREDIENTS:

E-8 - dodecenyl acetate	695 g/kg
Z-8 - dodecenyl acetate	295 g/kg
E/Z-8 - dodecenol	10 g/kg

Each dispenser contains a minimum of 240 mg active ingredients



WARNING

REGISTRATION HOLDER :

AECI® Limited
Reg. No. 1924/002590/06
P.O. Box 14418
Witfield, 1467
Tel : (011) 823 8000

WARNINGS:

GHS WARNING STATEMENTS
Causes skin irritation.

Store **unopened** in original foil envelopes at temperatures below 20 °C in dry location.
If **ISOMATE FCM** is to be stored for more than one month, 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-8-dodecenyl acetate	60-70%	Skin irritation (Category 2) H315.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **Isomate *FCM*** 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 if irritation occurs.
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

General use restrictions:

Isomate FCM is recommended for susceptible avocados, citrus and pomegranate cultivars harvested before the end of May as well as stone fruit, table and wine grapes harvested before middle of April. Due to the nature of mating disruption, **Isomate FCM** should not be applied to orchard areas less than 6.25 hectares. For optimal efficacy, these areas should be more or less square. Avoid treatment of long and narrow areas where the length and width are less than 250 meters.
Untreated or conventionally sprayed orchards can serve as a source of mated FCM females resulting in fruit damage particularly along the borders of the treated orchard. The larger the area under mating disruption, the smaller the effect of mated immigrant females (See perimeter treatment).

Application : AVOCADOS, CITRUS, LITCHIS, TREE NUTS (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts), **AND POMEGRANATES ONLY**

Rate: Use 800 dispensers in total per ha per production season irrespective of tree density.

Timing: AVOCADOS, CITRUS, LITCHIS, TREE NUTS (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts), **AND POMEGRANATES ONLY**

End September to beginning of October (before first FCM emergence): Hang **500 ISOMATE FCM** dispensers in all relevant orchards followed by **300 Isomate FCM** dispensers at the beginning of January.

Application: STONE FRUIT, TABLE AND WINE GRAPES ONLY

Use 600 dispensers in total per hectare per production season irrespective of tree or vine density.

Timing: STONE FRUIT, TABLE AND WINE GRAPES ONLY

Beginning of November as a once off treatment for stone fruit and beginning of December as a once off treatment for table and wine grapes in all relevant orchards and vineyards.

Perimeter treatment: To compensate for the dilution effect along the edges**,** hang double the
number of dispensers along the outer side of the perimeter of the treated area.

Application method:

Dispensers should be coiled (NOT twisted) once around a bread clip and applied to a lateral branch (finger size) or shoots or trellis wire (table and wine grapes) in such a way that it is not continuously exposed to direct sunlight. Do not place the dispenser too deep into the canopy as free airflow is required to distribute the pheromone.

Hang dispensers in the top 0.5 to 1 meter of a tree or 1.5 to 2.0 m above the orchard floor for table and wine grapes. Use any suitable applicator such as a wooden or plastic broomstick for bigger trees (consult your local AECI Plant Health Crop Adviser).

Space the dispensers uniformly throughout the orchard. If two dispensers have to be applied per tree, hang them on opposite sides.

Dispensers allocated to missing trees, should be applied to the previous or next tree.

Monitoring of Male Moths:

It is recommended that FCM pheromone monitoring systems be used in all mating disruption orchards to determine FCM emergence patterns. Install FCM monitoring traps by the beginning of October and inspect weekly until the end of harvest. Replace lures and traps as been recommended by the distinguish labels. After **Isomate FCM** is applied, very few moths, if any, should be caught. Should moths be caught in these orchards, consult your local AECI Plant Health Crop Adviser immediately.

Additional control methods

Mating disruption is most effective under conditions of low FCM infestations. If moderate to high moth populations are expected, spray an appropriate insecticide, according to the label recommendations, additional to the mating disruption program.

The period one month before harvest often coincides with increased moth activities and fruit damage. In such a case, apply an appropriate insecticide to reduce post harvest decay.

Start a weekly orchard sanitation program as soon as natural fruit drop commences. Maintain this program until the end of harvest. It is very important that all fruit or bunches still on trees or vines as well as those lying on the orchard floor are removed and destroyed after harvest.