

Royalnex™ CS 25

Micro Encapsulated Formulation

A MICRO ENCAPSULATED SUSPENSION FORMULATION BROADSPECTRUM INSECTICIDE FOR USE AS A SEED TREATMENT FOR THE CONTROL OF SOIL-BORNE INSECTS AND EARLY SEASON INSECTS PESTS IN MAIZE AND OTHER CROPS.

DAWA YA KUCHANGANYA NA MBEGU YA KUZUIA WADUDU KWENYE MAHINDI NA MIMEA AINA NYINGI.

GUARANTEE: Chiorpyrifos 25 %
REGISTRATION NO: PCPB (R) 0522

COMMERCIAL AND AGRICULTURAL CLASS
READ THE LABEL BEFORE USING
SOMA KIBANDIKO CHA MAELEZO KABLA YA KUTUMIA DAWA HII
KEEP LOCKED UP OUT OF REACH OF CHILDREN
WEKA MBALI NA WATOTO

Registrant: Crompton Registrations Ltd

Manufacturer: Makhteshim Chemical Works, Ltd, P.O. Box 60, Beer Sheva 84100, Israel

Distributed for Chemtura Corporation by:
ImproChem Proprietary Ltd.
P.O. Box 2785-00200, City Square, Nairobi, Kenya,
Tel.: 020-651185/9, Fax: 020-651191

Shelf Life: 3 years in original unopened container stored in a cool, dry place.
Malisha Rafuni: Mlaka 3 kutoka tarehe ya kutengenezwa ikihafadhiwa kwenye chombo chake
hali ya kisichofunguliwa mahali pakavu na pasipo na joto jingi.

WHO Class: II-Slightly Hazardous

Batch No: 50115196

Number ya furaha:

Date of manufacture:

Net content: 5 Litres 152007



Member of Agrochemicals Association of Kenya
Membership NO: AAK229

Chemtura

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CAUTION



READ THE LABEL BEFORE USING

KEEP LOCKED UP OUT OF REACH OF CHILDREN
General information: Royalnex CS 25 is an encapsulated suspension formulation broadspectrum insecticide for use as a seed treatment for the control of soil-borne insects and early season insects pest in maize, cereals, sorghum, millet and other crops. Chiorpyrifos has excellent control of a wide spectrum of insects pests both in the soil and above the soil surfaces. The encapsulated formulation offers great advantages to the environment and significantly minimizes operator exposure.

Mode of Action: Royalnex (chlorpyrifos) has a broad range of insecticidal activity and is effective by contact, ingestion and vapour action. It has little systemic activity, but is volatile enough to form insecticidal residues on nearby untreated surfaces.

Timing of application: Royalnex CS is applied to seed before planting. The effectiveness of any seed dressing process will be influenced by several factors some of which include; application of the recommended dosage, uniformity in distribution of the seed dressing product amongst seeds and on the surface of individual seed, quantity of the dressing applied, adhesive properties of the product, quality of the seed being dressed, equipment used and the way the seeds are handled by operators.
Mixing: Shake the product before using. Measure 400 ml of water and mix with 150 ml of Royalnex and mix thoroughly to obtain a uniform mixture. After obtaining a uniform mix, top up the rest with water to obtain a maximum volume of 1000-1200 ml. This amount of chemical and water mixture should be used to treat 100 kg of maize, millet and sorghum. When using Royalnex with other seed treatment products, such as Royalcap or with colours (pigments), dissolve Royalnex first in water, followed by Royalcap and then with the pigments. For use with any other product, carry small-scale test to check for compatibility.

Pour the mixture into the chemical mixing tank of the seed treatment equipment, calibrated to the desired dosage. Agitate continuously until all mixture is distributed on seed. Long mixing time should be avoided as this leads to the drying of the coating and loss of the seed dressing. Compatibility: Royalnex CS is highly compatible with Royalcap 500 FS and Crompton's high quality, environmentally safe polymer coatings and colorants such as RoyalKare and RoyalKote.
Use limitations: Do not treat seed that is unclean or with poor viability.

Direction for use: Use only as indicated. Apply Royalnex CS 25 as a seed treatment. Apply Royalnex with seed treatment equipment. Dilute with water in a suitable agitated pre-mix tank. Ensure thorough coverage of seed during application.

Precautions - Treated seeds: Label bags containing treated seed clearly with the mark "POISONOUS". Keep treated seed secure from people, livestock/pets and wildlife at all times during storage and use. Handle treated seed carefully. Do not use treated seed for human consumption or as animal feeds. Bury or remove spillages. Wear suitable protective gloves when handling treated seeds. Do not re-use sacks or containers that have been used for treated seed for food or feed. Wash hands and exposed skin before meals and after work.

Personal precautions: Wear protective clothing and gloves when working with the product. After working with the product wash your hands and any skin areas that have been exposed to the product, thoroughly with soap and water.

Handling precautions: Do not breathe fumes. Avoid contact with skin and eyes.

Environmental precaution: Expected to be toxic to aquatic life. Avoid discharge to sewers and natural waters.
Storage: Store Royalnex CS 25 under lock and key, in a cool place, away from food for human or animal consumption, out of the reach of children, and only in the sealed original container.

Pesticide disposal: Do not contaminate ponds and water bodies. Dispose off pesticide waste by burying in a deep hole away from water sources.

Pesticide spillage: In the event of minor spillage: Absorb in sand or other inert material. Use appropriate containment to avoid environmental contamination.

In the event of major spillage: collect and contain as much free liquid as possible. Dike spills using absorbent or impervious material such as sand or clay for later disposal.

Container disposal: Completely empty the content in the container into application equipment. Never re-use empty containers for any other purpose. Destroy empty container by burning.

First aid instructions

Swallowed: Induce vomiting only if victim is conscious. Never give anything by mouth to an unconscious person. Wash out mouth with water.

Inhalation: Remove the affected person to fresh air. Keep victim warm and at rest. If breathing is difficult, administer oxygen. Seek medical attention immediately.
Skin Contact: Remove contaminated clothing. Wash skin with soap and plenty of clean water. Seek medical attention.
Eye Contact: Wash off with plenty of clean water for at least 15 minutes. Immediately consult an eye specialist.

TOXICOLOGICAL INFORMATION

Avoid repeated overexposure.

Note to the doctor

Antidote: Atropine sulfate

Suggest serum and/or cholinesterase determination. If ingested perform gastric lavage and administer activated charcoal.

Symptoms of poisoning: Exposure may result in excessive sweating, weakness, salivation, nausea, diarrhoea, bradycardia, small pupils and convulsions.

Note to physician: Administer 2 tablets each of 0.5 mg of Atropine Sulphate. If necessary this dose may be repeated. The patient should be kept under careful observation for at least 24 hours.

Inject 2 mg of Atropine Sulphate intravenously. In severe cases up to 4 mg may be given, then continue injecting doses of 2 mg at intervals of 10 to 15 minutes until the patient shows a definite improvement.

Notice to user: This pest control product is to be used only in accordance with the direction on this label. It is an offence under the Pest Control Products Board to use or store a pest control product under unsafe condition.

Warranty: Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

Royalnex® CS 25 is a registered trademark of Crompton Registrations Ltd

Royalnex® CS 25 is manufactured by Makhteshim Chemical Works, Ltd, P.O. Box 60, Beer Sheva 84100, Israel, fax no: 972-76296848-(364) and distributed in East Africa for Crompton Chemical by ImproChem Proprietary LTD, P.O. Box 2785-00200, City Square, Nairobi, Kenya, Tel.: 651185/9, Fax: 651191.

TARGET CROPS	TARGET	APPLICATION RATE
Maize	Control of soil-borne and early season insect pests. <i>Aphididae</i> (aphids), <i>Agrotis</i> spp. (wireworms), <i>Agrotis</i> spp. (cutworms), <i>Phyllophaga</i> spp (chaffer grub), leather jackets, Termites, <i>Lepidopterans Cicadulina mbila</i> (Leaf hopper)	150 ml Product/100 kg of seed. Treat seeds before planting. To ensure even coverage of the seed with Royalnex CS add some water. Where Royalnex is being used with other seed treatment products, dissolve Royalnex CS first in water. Ensure that the final chemical(s) and water volume is between 1000-1200 ml to treat 100 kg seed.
Cereals (wheat and barley)	Control of soil-borne and early season insect pests. <i>Aphididae</i> (aphids and virus vectors), <i>Agrotis</i> spp.(wireworms), <i>Agrotis</i> spp (cutworms), <i>Phyllophaga</i> spp (chaffer grub), leather jackets, Termites., <i>Lepidopterans Oscineola frit</i> (frit fly)	150-200 ml Product/100 kg of seed.
Beans	Control of soil-borne and early season insect pests. Bean seed fly. Termites	150-200 ml product/100 kg of seed. For the small grains use higher rates.
Sorghum, Millet	Control of soil-borne and early season insect pests. Termites	150-200 ml product/100 kg of seed. For the small grains use higher rates.

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