Reklemel active

A new nematicide from Corteva Agriscience

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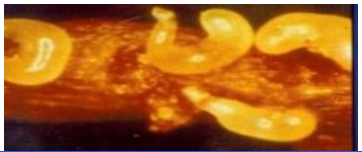
CORTEVA™ agriscience

Reklemel™ Nematicide

- **New nematicide: Fluazaindolizine**
- **Formulated Product: 500 gai/L SC**
- **Novel active ingredient for control of plant parasitic nematodes in North America** The biochemical mechanism on plant-parasitic nematodes is presently **unknown**. HOWEVER, the symtomology expressed by plant-parasitic nematodes is well understood.
- **Effective against a wide range of important plant parasitic nematodes; no fungicidal or insecticidal activity**.
- **Favorable tox, ecotox, and environmental profile; novel MOA**
- **Tier 1 crops: Fruiting Vegetables, Cucurbits, Carrots, Potatoes, Sweet Potatoes, also Non-bearing: Tree Nuts, Grapes, Citrus and Stone Fruit**
- **Tier 2 crops: Strawberries, Turf, Bearing Tree Nuts, Grapes, Citrus and Stone Fruit**
- **First label approval just received in Australia. Further registrations expected to happen by end of 2021.**





Reklemel™ 500SC Global Field Testing

There is still a great need for novel, environmentally soft, and effective nematicides.

CROPS

- Fruiting and cucurbit vegetables, root and tuber vegetables, strawberry; soybean, sugarcane, coffee, corn, cotton; citrus, tree nuts, stone fruit, grapes, turf, and ornamentals.

TARGET GEOGRAPHIES

- USA, Mexico, Canada, Brazil, Argentina, Chile, Spain, Italy, Greece, Turkey, China, India, Vietnam, Australia, South Africa, parts of the Middle East and Africa.

APPLICATION METHODS

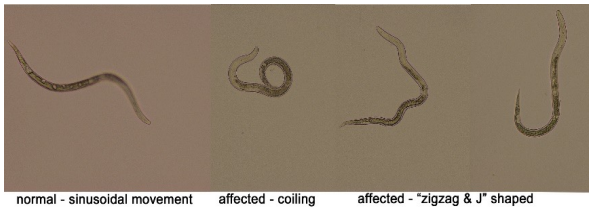
- Compatible with a variety of grower application methods; such as drip chemigation, bed sprays, micro-jets, pre-plant hole drench, in furrow applications, and soil incorporation.

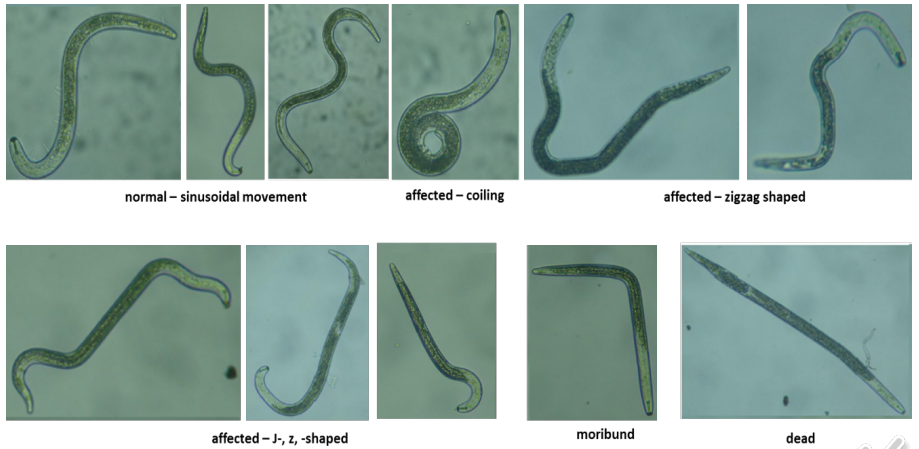
APPLICATION RATES

- Application rates vary by crop and application method and range typically from 0.22 to 2 lbai/A.

Additional Species Sensitivity for Key Nematode Species

- The same symptom(s) as for *Meloidogyne incognita* also other species of root-knot nematodes (e.g., *M. hapla, M. chitwoodi, M. javanica, M. arenaria, M. enterolobii*, etc.).
- Similarly, some species of root-lesion (*Pratylenchus brachyurus*, *Pratylenchus coffeae*), as well as reniform nematodes (*Rotylenchulus reniformis*) react strongly to Reklemel.
- Dagger & needle nematodes (*Xiphinema* sp.; *Longidorus* sp.) adversely impacted by Reklemel.
- On the contrary, some species did either not show any sensitivity/symptoms or did, but to a lower extent [e.g., stem nematodes (*Ditylenchus dipsaci*), some cyst nematodes (*Heterodera* sp.), some root-lesion nematodes (*Pratylenchus penetrans*)].
- Different species sensitivity may be due to different culticular structures or rates of metabolism.





Symptoms of Salibro™ nematicide intoxication in *Meloidogyne hapla* (left) and *Pratylenchus brachyurus* (right).

Reklemel™: Research

- **Turf – Submission with Tier 2.**

- **Ornamentals – Cut flowers**
  - **Tested in Europe and Africa. Preliminary efficacy and crop safety results very promising.**
  - **Looking internally to understand US market. No decision yet.**

Thank You!