

Canola Oil (011332) Fact Sheet

Summary

Canola oil is an edible vegetable oil that can be used to control insects on a wide variety of crops. Canola oil appears to have no adverse effects on humans or the environment.

I. Description of the Active Ingredient

Canola oil is an edible refined vegetable oil obtained from the seeds of four species of rape plants, *Brassica napus*, *Brassica juncea*, *Brassica rapa* and *B. campestris* of the family Cruciferae (mustard family). Canola oil is considered safe for human consumption. Scientists believe that canola oil repels insects by altering the outer layer of the leaf surface or by acting as an insect irritant.

II. Use Sites, Target Pests, and Application Methods

- **Use Sites:** Canola oil can be used on a wide range of plants, including: citrus, corn, fruit trees, nut trees, sugar beets, soybeans, tomatoes, vegetables figs, melon, olives, small fruits, alfalfa, bedding plants, ornamentals, and houseplants.
- **Target Pests:** Many types of insects.
- **Application Methods:** The products are applied either with spray or irrigation systems.

III. Assessing Risks to Human Health

No harmful health effects to humans are expected from the use of canola oil to repel insects. Information available from published studies indicates that canola oil's nutritional and toxicological profiles are similar to those of other vegetable oils that are used as food.

IV. Assessing Risks to the Environment

Adverse effects to the environment or to organisms other than insects are not anticipated because of the low toxicity of canola oil and its rapid decomposition in the environment. In addition, canola pesticide products are not allowed to be applied directly to bodies of water; therefore, exposure of aquatic organisms should be extremely limited.

V. Regulatory Information

Canola oil was initially registered as an active ingredient on April 28, 1998. As of November, 1999, three pesticide products were registered that contained this active ingredient.

VI. Registrant Information

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VII. Additional Contact Information

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