



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
7501-195

Date of Issuance:
SEP 13 2004

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:
Vortex

Name and Address of Registrant (include ZIP Code):

Gustafson LLC
1400 Preston Rd., Suite 400
Plano, TX 75093

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency.

In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:

1. Submit and/ or cite all data required for registration of your product under FIFRA section 3 (c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.
2. The following statement must be appended to the label's "ENVIRONMENTAL HAZARDS" block: "This fungicide may persist in soil, and long-term use in the same field may result in an accumulation of active ingredient."
3. Before releasing the product for shipment revise the EPA Registration Number to read as "EPA Registration No. 7501-195".
4. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release of the shipment of your product constitutes acceptance of these conditions.

Signature of Approving Official:

Date:

SEP 13 2004

Cynthia Giles-Parker
Fungicide Branch

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VOR(S)082304D1
Commercial use only

VORTEXTM

SEED TREATMENT FUNGICIDE

ACTIVE INGREDIENTS:

Ipconazole (CAS No. 125225-28-7) 40.7%

OTHER INGREDIENTS: 59.3%

TOTAL 100.0%

EPA Reg. No. 7501-
EPA Est.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 13 2004**

NET CONTENTS:

*Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.*

7501-195

KEEP OUT OF REACH OF CHILDREN

CAUTION

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

A quality product manufactured by:



Gustafson LLC
1400 Preston Rd., Suite 400
Plano, TX 75093
Questions? (972) 985-8877

KEEP OUT OF REACH OF CHILDREN

CAUTION

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves, such as natural rubber. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS: Users should wash thoroughly with soap and water after handling.

FIRST AID

If swallowed

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:

CHEMTREC: (800) 424-9300 (Toll free – US)

CHEMTREC: (703) 527-3387 (Domestic and International)

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.

ROOT VEGETABLES

Beet (garden), burdock (edible), carrot, celeriac, chervil (turnip-rooted), chicory (roots), chufa, dandelion (roots), ginseng, parsley (turnip-rooted), parsnip, radish, radish (oriental), rutabaga, salsify, salsify (black), salsify (Spanish), skirret, turnip and yam bean.

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.085 fl. oz. of VORTEX per 100 pounds of seed or propagating root or tuber material.

LEAFY VEGETABLES (Except Brassica Vegetables)

Amaranth (leafy, Chinese spinach, tampala), arugula, cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, fennel (Florence, finocchio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach, spinach (New Zealand), spinach (vine), and Swiss chard.

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.085 fl. oz. of VORTEX per 100 pounds of seed.

BRASSICA (COLE) LEAFY VEGETABLE GROUP

Broccoli, broccoli (Chinese), broccoli (raab), Brussels sprouts, cabbage (including Chinese bok choy, Chinese napa, and Chinese mustard), cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens.

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.34 fl. oz. of VORTEX per 100 pounds of seed.

CUCURBIT VEGETABLES

Chayote, Chinese waxgourd, citron melon, cucumber, gherkin, gourd edible (includes hyotan, cucuzza, hechima, Chinese okra), momordica, all muskmelon, pumpkin, squash and watermelon.

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.085 fl. oz. of VORTEX per 100 pounds of seed.

CEREAL GRAINS (Includes Forage And Silage)

Corn (field corn, popcorn, and sweet corn) and sorghum.

Corn (Field Corn and Popcorn): For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.044 fl. oz. of VORTEX per 100 pounds of seed.

Sweet corn: For protection against seedborne and soilborne fungi which cause seed decay, damping-off, and seedling blight, apply 0.044 fl. oz. of VORTEX per 100 pounds of seed.

Sorghum: For protection against seedborne and soilborne fungi which cause seed decay, damping-off and seedling blight, apply 0.051 - 0.17 fl. oz. of VORTEX per 100 pounds of seed.

COTTON, SUNFLOWER

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.085 fl. oz. of VORTEX per 100 pounds of seed.

MUSTARD, RAPE, CANOLA

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, as well as for protection against *Phoma lingam* causing blackleg, apply 0.051 - 0.34 fl. oz. of VORTEX per 100 pounds of seed.

ORNAMENTAL FLOWERS

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.34 fl. oz. of VORTEX per 100 pounds of seed.

CONIFERS

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VORTEX™ Seed Treatment Fungicide

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 - 0.34 fl. oz. of VORTEX per 100 pounds of seed.

TURF GRASS

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.085 fl. oz. of VORTEX per 100 pounds of seed.

NOTE: This product is undyed. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, part 2.25. Any dye added to treated seed must be cleared for use under 40CFR, Part 153.155. Federal law requires that bags containing treated seeds shall be labeled with the following information:

"This seed has been treated with Ipconazole. Do not use for feed, food or oil purposes.
Store away from feeds and foodstuffs."

VORTEX is a systemic broad-spectrum fungicide seed dressing specifically for protection against soilborne and seedborne disease of crop plants. VORTEX is active against *rhizoctonia*, *fusarium*, and *phomopsis*. In addition, VORTEX provides activity against weakly pathogenic fungi such as *mucor*, *rhizopus*, *aspergillus*, *penicillium*, *alternaria*, and *cladosporium*. VORTEX does not provide activity against *pythium* spp or *phytophthora* spp. To provide best seedling protection against a wide array of fungal pathogens, apply VORTEX as a tank mix with ALLEGIANCE-FL. Consult the ALLEGIANCE-FL label to assure registration on crop, or if not labeled, use another labeled seed treatment product that has activity against *pythium* or *phytophthora*. Consult the label for appropriate use rate and follow all use instructions for the products. Do not use with other seed treatment products unless previous experience assures compatibility.

VORTEX may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment.

FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store in a cool dry location. Do not store in direct hot sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Contact Gustafson or your chemical supplier for container return instructions. If container is not returned in accordance with instructions, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE – READ CAREFULLY

CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions

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and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

A quality product manufactured by:

Gustafson LLC

1400 Preston Road, Suite 400

Plano, Texas 75093

Questions? (972) 985-8877

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