

DE-cide™

- Nature's Cutting Edge™ (Optional Statement – for branding purposes only)
 - Garden Treasure® (optional Branding market statement)
 - Environmental Direction™ (optional Branding market statement)
 - Effective and Long Lasting Insect Control (optional Branding market statement)
 - Grain Insect Destroyer (optional Branding market statement)
 - Grain (optional Branding market statement)
 - Grain Storage (optional Branding market statement)
 - Grain Treatment (optional Branding market statement)
 - Insect DEstroyer (optional Branding market statement)
 - Ant DEstroyer (optional Branding market statement)
 - Bedbug DEstroyer (optional Branding market statement)
 - Silverfish DEstroyer (optional Branding market statement)
 - Fly DEstroyer (optional Branding market statement)
 - Darkling Beetle DEstroyer (optional Branding market statement)
 - Rusty Grain Beetle DEstroyer (optional Branding market statement)
 - Red Flour Beetle DEstroyer (optional Branding market statement)
 - Rice Weevil DEstroyer (optional Branding market statement)
 - Lesser Grain Borer DEstroyer (optional Branding market statement)
 - Sawtoothed Grain Beetle DEstroyer (optional Branding market statement)
 - Flour Beetle DEstroyer (optional Branding market statement)
 - Flea DEstroyer (optional Branding market statement)
 - Cockroach DEstroyer (optional Branding market statement)
 - Earwig DEstroyer (optional Branding market statement)
 - Centipede DEstroyer (optional Branding market statement)
 - Centipede & Millipede DEstroyer (optional Branding market statement)
 - Sowbug DEstroyer (optional Branding market statement)
 - Pillbug DEstroyer (optional Branding market statement)
 - Carpet Beetle DEstroyer (optional Branding market statement)
 - Spider DEstroyer (optional Branding market statement)
 - Cricket DEstroyer (optional Branding market statement)
 - Lice DEstroyer (optional Branding market statement)
 - Mite DEstroyer (optional Branding market statement)
 - Ant Killer (optional Branding market statement)
 - Bedbug Killer (optional Branding market statement)
 - Silverfish Killer (optional Branding market statement)
 - Fly Killer (optional Branding market statement)
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 - Pillbug Killer (optional Branding market statement)
- Carpet Beetle Killer (optional Branding market statement)
- Spider Killer (optional Branding market statement)
- Cricket Killer (optional Branding market statement)
- Lice Killer (optional Branding market statement)
- Mite Killer (optional Branding market statement)
- No Additives (optional Branding market statement)
- Contains a non-synthetic insect killer (optional Branding market statement)
 - Multipurpose (optional Branding market statement)
- All In One Insect Control (optional Branding market statement)
 - Odorless (optional Branding market statement)
 - Freshwater source (optional Branding market statement)
 - Cost-effective (optional Branding market statement)

Ready-to-use (optional Branding market statement)
Non Toxic (optional Branding market statement)
Non-Calcined Amorphous Silica (optional Branding market statement)

INSECTICIDE
for control of Barn, Stable, Piggery, Dairy, Poultry,
Garden, Grain and Household Insects

Home & Garden Insect Control

FOR USE INDOORS (food-processing plants, restaurants, hospitals, offices and residential buildings,
other commercial and industrial sites, transportation vehicles, including truckbeds, boxcars and ship
holds, flour mills and milling equipment, grain storage and handling facilities, and poultry housing) **OR**
OUTDOORS

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

COMMERCIAL
POWDER

ACTIVE INGREDIENT: Silicon Dioxide (Present as 100% Diatomaceous Earth)
.....67%

REGISTRATION NO. 27265 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 18 kg

MANUFACTURED BY:

Absorbent Products Ltd.
724 East Sarcee St.
Kamloops, BC V2H 1E7
800-667-0336

PRODUCT OF CANADA

DE-cideTM

Natures' Cutting EdgeTM (optional market statement label)

DE-cideTM is a unique formula composed of fossilized microscopic diatoms also known as silicon dioxide. DE-cideTM acts by lacerating the exoskeleton of insects that come in contact with the product, causing dehydration, resulting in the death of the insect. DE-cideTM is not harmful to humans, animals or food when label directions are followed.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

DIRECTIONS FOR USE:

DE-cideTM is effective in killing Ants, Bedbugs, Silverfish, House Flies, Darkling Beetles, Rusty Grain Beetles, Red Flour Beetles, Flour Beetles, Rice Weevils, Lesser Grain Borers, Sawtoothed Grain Beetles, Fleas, Lice, Mites, Cockroaches, Earwigs, Centipedes, Millipedes, Sowbugs, Pillbugs, Carpet Beetles, Spiders, and Crickets.

DE-cideTM can be mixed with an attractant such as a cereal or nut powder, icing sugar, powdered soup mixes, powdered yeast, etc. to attract and encourage the insect to ingest it resulting in a lacerated digestive tract, causing further dehydration. The attractant can be mixed at a rate of 25% to 50% in volume.

INDOOR USE: Apply DE-cideTM at a rate of 70 g product per 10 m². If applied with an attractant, the application rate can be reduced to 60 g product per 10 m².

For use in food-processing plants, restaurants, hospitals, offices and residential buildings, other commercial and industrial sites, transportation vehicles including truck beds, boxcars and ship holds, flour mills and milling equipment, and grain storage and handling facilities for infestations of ants, bedbugs, silverfish, rusty grain beetles, red flour beetles, flour beetles, rice weevils, lesser grain borers, sawtoothed grain beetles, fleas, cockroaches, earwigs, centipedes, millipedes, sowbugs, pillbugs, carpet beetles, spiders, and crickets.

Dwellings: Clear away debris and apply dust behind appliances, cabinets, along baseboards, along edges and underneath carpets and rugs, bed frames, cracks, crevices and other places where insects hide or crawl.

To control infestations in other indoor sites, clear away debris and lightly dust all surfaces, giving careful attention to cracks, crevices and other areas where insects hide or crawl, with DE-cideTM. For best results the treated area should be left undisturbed for two to three days. For Storage Areas it is recommended to re-apply DE-cideTM each time the storage area is emptied. Prior to transporting grains, clean out box cars, ship holds and truck beds and apply a light dusting of DE-cideTM to all walls and floors, with careful attention given to cracks, crevices and other areas where insects hide or crawl.

OUTDOOR AND GARDEN USE: Clear away debris. Lightly coat areas with DE-cideTM where pests are found including ant trails, door frames, entrance ways, foundations, patios, window frames, window sills, shrubs, flower beds, gardens etc. at a rate of 70 g product per 10 m². Pay careful attention to cracks, crevices, and other areas where insects hide or crawl. If applied with an attractant, the application rate can be reduced to 60 g product per 10 m². A fine dust of DE-cideTM may be applied by using hand dusters or other suitable means. For best results, use in areas where dust application cannot be affected by heavy rains or high winds. For best results when applying to plants, use a light dusting of DE-cideTM on both sides of the plant leaves. Product remains effective for as long as it is present. Repeat treatment as necessary.

WET POWDER APPLICATION: Mix 90 grams of DE-cide™ per 1 L of water. Mix well before application, and continue mixing during application, some settling may occur. Apply to the point of wetness around foundations, shrubs, flower beds, gardens, etc. using a suitable applicator. 1 L of mixture will treat 10 m². Product remains effective for as long as it is present. Repeat treatment as necessary. For best results, use in areas where dust application cannot be affected by heavy rains or high winds. When applying to plants, use a light dusting of DE-cide™ on both sides of the plant leaves. Repeat treatment as necessary.

When using DE-cide™ for garden use, wash all produce thoroughly before using.

GRAIN TREATMENT:

Empty Storage Areas:

Clean out the area before application. Sweep, brush or vacuum down walls, ceilings, ledges, rafters, braces, and handling equipment. Apply DE-cide™ at a rate of 70 g per 10 m² using hand or power dusters or other suitable means to walls and floors with careful attention given to cracks, crevices and other areas where insects hide or crawl. After application there is no need to remove DE-cide™ from the empty storage area. It is recommended that the area be left undisturbed for 7-14 days to eliminate existing infestations before filling with grain. It is desirable to re-apply DE-cide™ each time the storage area is emptied.

Stored Grain:

DE-cide™ may be applied to grain during the transfer into storage areas or into transportation containers as it enters the auger or conveyor feeding system. Product remains effective as long as it is dry and present. DE-cide™ should be mixed thoroughly with grain during storage.

For control of grain insects apply DE-cide™ at the rates in the table below.
Rate per metric tonne (g/tonne) = ppm.

Insect	Commodity	Application Rate (g/tonne)
Rusty Grain Beetle	wheat	500
Lesser Grain Borer	wheat	3000
Sawtoothed Grain Beetle	wheat	3000
Red Flour Beetle	wheat	3000
Rice Weevil	wheat	3000
Rusty Grain Beetle	barley	1000
Lesser Grain Borer	barley	2000
Rice Weevil	barley	2000
Rusty Grain Beetle	corn	3000

This product affects test weight and flowability of grain (see tables below). It is the responsibility of the owner of the grain to insure that the application of DE-cide™ will not degrade the grain on account of test weight loss.

Wheat (g/tonne)	Approximate Test Weight Reduction (kg/hL)
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500	3.5
3000	5.5

Barley (g/tonne)	Approximate Test Weight Reduction (kg/hL)
1000	1.5
2000	2.5

Corn (g/tonne)	Approximate Test Weight Reduction (kg/hL)
3000	4.0

Apply DE-cide™ as a barrier in high infestation areas on the floor, along walls, posts and around cracks and crevices.

BARNES: Apply DE-cide™ at a rate of 700 g/100 m² with a manual dust applicator. Hit insects directly where possible. Repeat treatment if pests reappear or after cleaning.

POULTRY HOUSING: For control of house flies and darkling beetles in poultry housing. After manure clean-out of a caged-poultry house, apply DE-cide™ to the entire surface area of accumulating manure.

APPLICATION RATE: Use 35 kg of DE-cide™ /100 sq. m. on a weekly basis.

APPLICATION METHOD: For larger surface areas (greater than 100 sq. m.) apply DE-cide™ with an applicator designed for applying fine granular material to a large surface area (e.g. drop-style fertilizer spreader, or small tractor seeder or spreader). For smaller surface areas (less than 100 sq. m.) apply DE-cide™ using an applicator designed for applying a fine granular material to a small area or by hand (e.g. by shaking a pail with holes).

HOUSE FLIES: For effective control of house flies in operations where manure accumulation occurs, treatment should be combined with good manure management practices (e.g., aeration via proper placement of fans and intake vents, maintenance of watering system equipment). DE-cide™ controls house flies in layer poultry operations by reducing the number of fly larvae occurring in the accumulating manure 5 to 6 weeks after weekly application.

APPLICATOR: For ease of application, use applicators equipped with electronic nozzles.

FOOD AND FEED AREAS: For food plant and other industrial use, avoid contamination of food and feed in the application and storage of the product. Do not use DE-cide™ on food contact surfaces.

STORAGE: Store in a cool dry area.

DISPOSAL: Thoroughly empty the contents of the container into the application device. Make the empty container unsuitable for use. Dispose of the product and empty packaging in accordance with your local regulations. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial or federal regulatory agency. Contact the manufacturer and the provincial or federal regulatory agency in case of a spill, and for the cleanup of spills.

PRECAUTIONS: KEEP OUT OF THE REACH OF CHILDREN. Avoid inhaling dust and use adequate ventilation. Do not use as a general space spray. In treating barns, do not contaminate milk or milking

equipment. Remove animals from treatment area during application and return them after any airborne DE-cide™ has settled. Avoid contact with eyes and skin. May cause irritation and soreness in throat and nose in cases of extreme exposure. Some congestion may occur. Wear a suitable dust mask/respirator approved by NIOSH when handling. Empty grain storage areas are to be left undisturbed for 7-14 days before filling with grain. If activities are required in treated grain storage areas before this period has ended, personnel should wait until any product dust has settled before re-entering and wear a NIOSH-approved dust mask/respirator during the activities. For application to stored grain or when using a dust blower, wear a full-face NIOSH-approved respirator during mixing, loading and application. Wear appropriate eye-wear when handling, during application and clean-up activities. Wash hands with plenty of soap and water after treatment. When used indoors in residential settings, do not apply in the immediate vicinity of people or pets. When used on empty grain storage areas and stored grain, unprotected personnel or bystanders should not enter the area during application or subsequent cleanup or whenever airborne dust is present. In institutional settings, do not apply the immediate area when occupants are present. Remove patients from areas to be treated before using in hospitals.

FIRST AID: **If swallowed**, call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person. **If on skin or clothing**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. **If in eyes**, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL HAZARDS: DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.