

eKsPunge®

Inorganic Fungicide & Plant Nutrient

For the Control of Powdery Mildew on Apples, Grapes, Cucurbits; (Cucumbers, Melons, Squash, Watermelons), Mangoes, Stone Fruits; (Peaches, Nectarines, Plums and Cherries), Peppers, Tomatoes and Roses.

Active Ingredient: *Potassium Dihydrogen Phosphate --- 100% *Commonly known as Monopotassium Phosphate

Crop Protection with eKsPunge®

LidoChem's eKsPunge® suppresses existing mildew disease and inhibits further development of new mildew growth on plant tissue. It can be used alone or in an alternate tank-mix fungicidal spray program with other EPA approved fungicides. It is rapidly absorbed by the plant and is mobile within the plant tissues becoming of nutritional value by improving the potassium and phosphorous content in the plant. It therefore acts in a dual role as a biocompatible fungicide for plant disease control and also as an essential plant food.

eKsPunge® is a soluble crystalline powder to be mixed with water for application as a spray. Add the recommended amount of product to a half-filled sprayer tank and mix, then add the balance of required water. Add an approved/compatible "spreader-sticker" to the solution to assure complete spray coverage of plant surfaces. Plant disease pressure can increase when plant surfaces are frequently wet and temperatures are warm. Under these severe disease conditions use the higher recommended spray rate and apply at the shorter spray interval.

eKsPunge® for Powdery Mildew Control

For additional information refer to the paragraph for each crop.

IMPORTANT

Resistant Powdery Mildew Fungus Strains May Be Present
If treatment is not effective following use of fungicides as recommended, a resistant strain of the fungus may be present. If this occurs then systemic fungicides such as benzimidazole, thiophanate, or DMI type may not give effective control. When resistant fungus strains are present, serious consideration should be given to the use of eKsPunge® for effective mildew control and crop protection. eKsPunge® controls mildew strains that are resistant to other fungicides and is a valuable "resistance management" tool.

APPLES

For **Powdery Mildew on Apples** use 10 to 20 lbs of eKsPunge® in 100 gallons of water and thoroughly apply 150 to 200 gallons of mix per acre. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Start spraying at "light clusters" stage and continue spraying every 7 to 10 days until terminal shoots cease their vegetative growth.

GRAPES

For control of **Powdery Mildew (Uvula necator)** on Grapes start with treatments in the spring when shoots are 3 to 5 inches in length and when the disease is usually anticipated. Mix 8 to 20 lbs. in 100 gallons of water and apply 100 to 200 gallons of finished

spray per acre (use the greater amount for heavily foliated vines). When eKsPunge® is used alone, or when required for better spray coverage on waxy or rough leaves, add an approved compatible spreader sticker to the spray solution. Repeat every 10 to 14 days. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide.

CUCURBITS FOR USE ON GREENHOUSE AND OPEN FIELD GROWN CUCUMBERS, MELONS, SUMMER AND WINTER SQUASH AND WATERMELONS

To inhibit the disease growth of **Powdery Mildew** (sphaerotheca fuliginea) on the above listed crops apply 5 to 10 lbs. of eKsPunge® per 100 gallons of water when plants begin to run or when disease first appears and repeat at 7 to 14 day intervals as needed. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Under conditions of severe disease pressure, use the higher rate and apply at 7 day intervals. For best results avoid application when temperatures are over 90°F and humidity is high. For greenhouse use, shading may be required.

MANGOES

Powdery Mildew - Apply 10 to 20 lbs. of eKsPunge® in 100 gallons of water and apply 100 to 200 gallons of finished spray per acre and make a thorough spray coverage. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Begin application at first appearance of bloom panicles (approx. 2 inches long) and repeat at weekly intervals until all fruit are set. If required continue at 2 to 3 week intervals until shoot growth ceases which should be about 8 sprays.

STONE FRUITS

FOR USE ON PEACHES, NECTARINES, PLUMS CHERRIES
For the control of **Powdery Mildew on stone fruits** as listed apply 5 to 10 lbs. of eKsPunge® in 100 gallons and apply 100 to 200 gallons of finished spray per acre as a tank mix in your regular spray program for Brown Rot. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Begin application at first appearance of disease and repeat at weekly intervals until all fruit are set.

TOMATOES

Greenhouse Grown: For Powdery Mildew control apply at the rate of 5 lbs. per 100 gallons of water and apply 3 gallons of finished spray per 1,000 sq. ft. at 5 to 7 day intervals. The addition of a suitable approved spreader sticker will improve spray coverage. Shading may be needed to reduce temperature during spraying.
Field Grown: For Powdery Mildew control on field grown tomatoes, apply 5 to 10 lbs. per 100 gals. of water and apply 100 to 200 gallons of finished spray per acre. Begin applications when disease first appears and repeat at 7 to 10 day intervals as needed. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide.

PEPPERS

Field and Greenhouse Grown: For local or systemic enhanced control of Powdery Mildew (Levulife torulica) on field and greenhouse grown peppers eKsPunge® can be used at a rate of 8 1/2 to 10 lbs./100 gallons and apply 100 to 200 gallons of finished spray per acre (20 gallons per 1,000 sq. ft. in the greenhouse) at a 5 to 7 day interval. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide for that purpose.

ROSES

For the control of **Powdery Mildew on Roses** apply at the rate of 5 lbs. of eKsPunge® per 100 gallons of water and apply 100 to 200 gallons of finished spray per acre. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Apply at 5 to 7 day intervals as needed for control. Use a spreader sticker in the spray.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instruction, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use. (expunge-epa-am7-p6507-10-98.)

Crop	Application Rates	Comments
Apples	10 to 20 lbs./100 gals	Begin at light cluster and continue every 7-10 days
Grapes	8 to 20 lbs./100 gals	Apply 100 to 200 gals/acre depending on foliage growth, beginning at 3"- 5" shoot growth and then at 10 to 14 day intervals
Cucurbits such as Cucumbers, Melons, Summer & Winter Squash, Watermelon	5 to 10 lbs./100 gals	Apply at 7 to 14 day interval from post-bloom to day of harvest. Do not apply when temperatures exceed 85°F
Mangoes	8 to 20 lbs./100 gals	5 foliar sprays alternated with an approved fungicide
Stone Fruits such as Nectarines, Peaches, Cherries, Plums	5 to 10 lbs./100 gals	Include in Brown Rot spray schedule
Peppers, Field/Green	10 lbs./100 gals	Apply at 5 to 7 day intervals
Roses	5 lbs./100 gals	Apply at 5 to 7 day intervals
Tomatoes, Field/Green	5 lbs./100 gals 8 to 10 lbs./100 gals	Apply at 5 to 7 day intervals Apply at 5 to 7 day intervals

*For each crop apply 100 to 200 gallons of finished spray per acre which is equivalent to approx. 3 gals of spray per 1,000 sq. ft. or apply to thoroughly spray most all crop fruits and foliage surfaces.

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**KEEP OUT OF REACH OF CHILDREN
CAUTION**

First Aid - Symptoms of Practical Treatment
If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious do not give anything by mouth and do not induce vomiting. If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists. If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists. If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Precautionary Statement
HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear a long-sleeved shirt, long pants, and shoes plus socks.

Use Safety Recommendations
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Change into clean clothing.

Environmental Hazards
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 contaminate water when cleaning equipment or disposing of equipment washwaters.

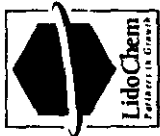
Directions For Use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers (long sleeved shirt, long pants, shoes and socks) may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It includes requirements for training, safety, and decontamination. It also contains specific instruction and emergency assistance information. It also contains information on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow workers into treated areas until sprays have dried. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and

that involves contact with anything that has been treated, such as plants, soil, or water is coveralls, shoes and socks.

Storage and Disposal
Store product in original container away from children and domestic animals. Do not contaminate water, food or feed by storage or disposal. Product Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

See Side/Back Panel for Additional Precautionary Statements
Net Weight 5, 10, 20, 40, 50 Pounds
EPA REG. NO. 70644-1
EPA EST. NO. 70644-NJ-1



LidoChem, Inc.
20 Village Court
Hazlet, NJ 07730
U.S.A.

ACCEPTED

4/8/79
Approved for the pesticide
70644-1

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NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Drafting Dated