

EKS PUNGE®

Inorganic Fungicide, Plant Nutrient, Water Conditioner, & Tank Buffering Agent PATENT PENDING

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

* EPA Residue Exempt 40 CFR 180.1001 and 180.1193 *

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.

First Aid - Statement 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.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear a long-sleeved shirt, long pants, and shoes plus socks.

User 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 contaminate water when disposing of equipment wash waters. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water-mark.

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

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 contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instruction and exceptions pertaining to the statements 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 worker entry into treated areas during the restricted entry interval (REI) of four (4) hours. 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.

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, in an alternating applications or in tank-mix spray programs with other compatible, EPA approved fungicides. It is rapidly absorbed by the plant and is mobile within the plant tissues, 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® will also acidify/buffer your spray tank solution to help reduce alkaline hydrolysis of other compatible, tank mixed materials.

Storage and Disposal

Storage: 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

ACCEPTED

4/21/99
Under the Federal Insecticide, Fungicide, and Rodenticide Act, not controlled for the pesticide registered under EPA Reg. No. 70644-1

70644-1
4/21/99

EksPunge® is a soluble crystalline product to be mixed with water. Application rates vary according to the specific volumes of water applied to the crop. The lower range of spray volumes may be used as long as the crop can be completely covered with the spray solution. Surfactant use and sprayer efficiency can impact coverage. Select a water volume and corresponding rate of EksPunge® necessary to thoroughly spray / mist all fruit and foliage surfaces. Gradually add the recommended amount of product to a half-filled sprayer tank and mix, then add the balance of required water while continuing to agitate the solution. 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® Powdery Mildew Control

For additional information refer to the paragraph for each crop.

Crop	EksPunge® lbs/Acre				
	Water Volume gal / Acre	8-16	17-20	21-32	33-40
Apples	8	8-16	17-20	21-32	33-40
Cucurbits	10	10-20	17-20	20	20
Grapes	8	8-16	17-20	21-32	33-40
Mangoes	8	8-16	17-20	21-32	33-40
Peppers	8	8-16	17-20	20	20
Roses	5	8-9	9-10	10	10
Stone Fruits	8	8-16	17-20	20	20
Tomatoes	8	8-16	17-20	20	20

Best performance is attained by beginning EksPunge® applications prior to the onset of disease, as a preventative disease control program. DO NOT MIX with copper fungicides or with any spray materials that were against low pH (<5.5) applications. The active ingredient, potassium dihydrogen phosphate, when applied as directed to all crops and in accordance with good agricultural practices, is exempt from the requirement of residual tolerance as referenced in 40 CFR 180.1001 and 180.1153.

IMPORTANT

Resistant Powdery Mildew Fungus Strains May Be Present!

If treatment is not effective following use of conventional 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. Best performance is attained by beginning EksPunge® applications prior to the onset of disease, as a preventative disease control program. DO NOT MIX with copper fungicides or with any spray materials that were against low pH (<5.5) applications.

APPLES

For control of powdery mildew (*Podosphaera leucotricha*) on Apples use 8 to 40 lbs of EksPunge® per acre. Start spraying at tight cluster and continue spraying every 7 to 10 days until terminal shoots cease their vegetative growth. The rate of product per acre will vary depending upon the tree size (canopy development) and the volume of water.
Min: 8 lbs / 50 gallons spray solution per acre.
Max: 40 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

GRAPES

For control of powdery mildew (*Uncinula necator*) on grapes use 8 to 40 lbs of EksPunge® per acre. Start spraying in the spring when shoots are 3 to 5 inches in length and when disease pressure is anticipated. Repeat every 10 to 14 days. The low per acre rates are intended for early in the season when disease pressure is low. The per acre rate should be increased as disease pressure increases. For improved appearance on table grapes, use lower application rates.

Min: 8 lbs / 50 gallons spray solution per acre.
Max: 40 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

CUCURBITS (CUCUMBER, MELONS, SQUASH, WATERMELONS)

For control of powdery mildew (*Sphaerotheca fuliginea*) on the above listed cucurbits use 10 to 20 lbs of EksPunge® per acre. Start spraying when plants begin to run or when disease pressure is anticipated. Repeat at 7 to 14 day intervals as needed. 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 85°F and humidity is high. For greenhouse use, shading may be required.

Min: 10 lbs / 50 gallons spray solution per acre.
Max: 20 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 20 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

MANGOES

For control of powdery mildew (*Oidium mangiferae*) on mango use 8 to 40 lbs of EksPunge® per acre. Start spraying at first appearance of bloom panicles (approximately 2 inches long) and repeat at 7 to 14 day intervals until all fruit are set. If additional sprays are required, continue at 2 to 3 week intervals until shoot growth ceases - which should be about 6 sprays.

Min: 8 lbs / 50 gallons spray solution per acre.
Max: 40 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

STONE FRUITS (PEACHES, NECTARINES, PLUMS, CHERRIES)

For control of powdery mildew (*Sphaerotheca pannosa* var. *persicae* and *Podosphaera oxycanthae*) on stone fruits as listed use 8 to 20 lbs of EksPunge® per acre. Follow local recommendations for powdery mildew control timings or apply when disease pressure is anticipated and repeat every 7 to 14 days.

Min: 8 lbs / 50 gallons spray solution per acre.
Max: 20 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

TOMATOES

For control of powdery mildew (*Leveillula taurica*) on tomatoes.

Greenhouse Grown: Use 10 lbs per 100 gallons and apply 1.5 gallons of finished spray per 1,000 sq. ft. at 5 to 7 day intervals. Shading may be needed to reduce temperatures during spraying.

Field Grown: Use 8 to 20 lbs of EksPunge® per acre when disease pressure begins to increase. Repeat at 7 to 10 day intervals.

Min: 8 lbs / 50 gallons spray solution per acre.
Max: 20 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

PEPPERS

For control of powdery mildew (*Leveillula taurica*) on peppers.

Greenhouse Grown: Mix 10 lbs per 100 gallons and apply 1.5 gallons of finished spray per 1,000 sq. ft. at 5 to 7 day intervals. Shading may be needed to reduce temperatures during spraying.

Field Grown: Use 8 to 20 lbs of EksPunge® per acre when disease pressure begins to increase. Repeat at 7 to 10 day intervals.

Min: 8 lbs / 50 gallons spray solution per acre.
Max: 20 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 16 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

ROSES

For control of powdery mildew (*Sphaerotheca pannosa* var. *rosae*), use 5 to 10 lbs EksPunge® per acre. Apply at 5 to 7 day intervals as needed. Best performance can be achieved with full wetting of leaves without runoff.

Min: 5 lbs / 50 gallons spray solution per acre.
Max: 10 lbs / 250 gallons spray solution per acre.
 DO NOT exceed 8 lbs per 100 gallons of finished spray solution.

* See Table for additional rates per water volume.

Conditions of Sale

1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one, other than the officer of Seller, is authorized to make any warranty, guarantee or direction concerning this product.

2. Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from handling, storage and use of this product is limited to replacement of product or refund of purchase price.

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