

PHOSENTINEL™

**Neutralized phosphorous
acid solution**



群耕農業生技有限公司

GROUP GAIN BIO-AGRI CO., LTD.

www.groupgain.com.tw

Technical Data Sheet

DESCRIPTION

Phosentinel™ is for control of Phytophthora, Pythium, and Downy Mildew on food crops, turf, and ornamentals. Application activates the defensive capabilities of plants and induces crops to produce a large amount of botanical defensins to combat pathogens. This is a user-friendly product which induces systemic disease resistance.

BENEFITS

- Effectively controls the occurrence of disease, downy mildew and powdery mildew. Also improves plant health and makes it easier to control other diseases.
- Increases the production of natural fungicides (phytoalexins) within plants, so that plants are able to develop systemic disease resistance capabilities from within.

- Functions as a phosphorus and potassium fertilizer at the same time, for absorption and utilization by crops.

ACTIVE INGREDIANT

Phosphorous acid.....	25.0 %
Other ingredients.....	75.0 %

WARNING

- This product does not have therapeutic effects on plants which are already diseased.
- Please test in a small area first if pesticides or fertilizers will be added during application, so as to avoid phytotoxicity.
- After dilution, please use the product on the day of dilution, so as to avoid decreases in potency.
- Be sure to test the addition of any substances on a small scale to prevent adverse reactions before wider application.

APPLICATION

CROPS	APPLICATION OF TIME	DILUTION RATE	DOSAGE (L/HA)
ALL OF CROPS	APPLY LOWER RATE AT 2-3 WEEK INTERVALS AFTER PLANTS BECOME ESTABLISHED. DO NOT APPLY PHOSENTINEL AT INTERVALS LESS THAN 5 DAYS.	500-800	1.2-2.0

Avoid mixing with alkaline pesticides or fertilizers.

Manufactured by: GROUP GAIN BIO-AGRI CO., LTD.

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ACTIVE INGREDIANT

Phosphorous acid.....	25.0 %
Other ingredients.....	75.0 %

TYPICAL PROPERTIES

Appearance (25 °C).....	Liquid
Color.....	Colorless
Odor.....	Tasteless
pH value.....	6-7
Density(g/cm ³).....	1.34

STORAGE & HANDLING

1. Storage and transportation:
Keep in a cool and dry place. Avoid direct sunlight and high temperature.
2. Spills and Disposal:
Use protective solvent resistant gloves to avoid skin contact. Small spills can be wiped up with vermiculite or other suitable absorbent material and removed to an approved disposal container. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal. Do not hose spills down drains. Move leaking containers to well ventilated area. No Smoking. Eliminate any source of ignition. Avoid inhalation.
3. Extinguishing measure:
Use water or dry chemical powder or CO₂.
4. Standard Packaging:
PHOSENTINEL™ is available in bulk and in 20L drums.

SHELF LIFE

4 years from production date.

HEALTH HAZARD

1. Swallowed:
When a person swallows a large quantity of product, give the victim a lot of water and try to get the victim to vomit.
2. Eyes contact:
Gently rinse the effected eyes with clean water.
3. Skin contact:
Rinse with clean water.
4. Inhaled:
When a person in hales a large amount of gas introduced be remove the victim from the contamination to fresh air. Keep the victim warm and quiet.
5. First aid facilities:
None

