

Safety Pictograms:



(1). Syngenta India Limited, Santa Monica Works, Corlim, Ilhas,
Goa
Goa

(2). Unit II, Plot No. 155/1, GIDC Estate, Ankaleshwar, District-
Bharuch, Gujarat
Gujarat

(3). Plot No. 1, Swastik Ceramic Compound, AT & PO Sankarda,
District Baroda, Gujarat
Gujarat

Customer Care Details

Address: Syngenta India Limited.Syngenta India Limited, Amar
Paradigm, S.No. 110/11/3, Baner Road, Pune- 411 045.
email: Rajesh.Dhawan@syngenta.com
ph no.: 011-71010212

Safety Pictograms:



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Matalaxyl - M 3.3% w/w Chlorothalonil 33.1% w/w SC

(Systemic and Contact Fungicide)

Metalaxyl-M 3.3% + Chlorothalonil 33.1% SC is a mixture of systemic fungicide (Metalaxyl-M) and contact fungicide (Chlorothalonil) which is recommended for the control of late blight of Potato and Early & Late blight of Tomato.

Chemical Composition:	Ingredient	%W/W
	1,2 benzisothiazol-3-one	0.21 %
	Bentonite	0.83 %
	Chlorothalonil a.i	a.i 33.1 %
	Disodium hydrogenorthophosphate	0.25 %
	DL- propanediol-(1,2)	4.97 %
	Heteropolysaccharide	0.21 %
	Metalaxyl-M a.i	a.i 3.3% %
	Potassium dihydrogen phosphate	0.10 %
	Silicon oil	0.08 %
	tristyrylphenoethoxilate, phosphated, potassium salt	4.97 %
	water	Q.S. %
Total:		100.00% w/w

Recommendation

Crop(s)	Common Name of Pest	Dosage/HA		Dilution in Water Litre/ha	Crop Stage	Re-entry Period	Pre Harvest	Frequency
		AI g a.i./ha (%)	Formulation ml/ha (%)					
Potato	Late blight	0.073%	0.2%	500	Although the biological mode of action of Metalaxyl-M (phenylamide) and Chlorothalonil (chloronitrile) permits protective and curative use, best results are achieved when fungicide is applied with knapsack sprayer when the disease is still in the early stage of development.	24 hours	34	The first spray to be given as preventive or at initial disease appearance followed by 1-2 sprays at 10-12 days interval. Maximum number of sprays in a crop season are three.
Tomato	Early & Late blight	0.073%	0.2 %	500	Although the biological mode of action of Metalaxyl-M (phenylamide) and Chlorothalonil (chloronitrile) permits protective and curative use, best results are achieved when fungicide is applied with knapsack sprayer when the disease is still in the early stage of development.	24 hours	5	The first spray to be given as preventive or at initial disease appearance followed by 1-2 sprays at 10-12 days interval. Maximum number of sprays in a crop season are three.

Note:-

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Good Practices relating to pesticide application techniques

Direction of Use

Measure out the required quantity of the product and mix it well with a small quantity of water. Add the remaining quantity of water as specified with thorough agitation. Adjust the quantity of product in proportion to the water required to cover a hectare and apply by a suitable spray e.g. knapsack sprayers.

Weather Condition(in general):

Do not spray during the windy weather conditions or during hot hours of the day, if the foliage is wet or if rain is imminent. Spray strictly in the direction of wind to prevent prolonged or repeated exposure to the spray mist. Do not underdose and overdose by overlapping applications **Soil & Water (where ever applicable).**

This is not a soil applied fungicide hence, not applicable. Do not contaminate water used for irrigation or domestic purpose and water areas viz. ponds, ditches, lakes, drainage systems, etc, by disposal of product waste and do not allow direct over spray or spray drift of product on to these areas to avoid long term adverse effect in the aquatic environment.

Crop Stage for application:

Although the biological mode of action of Metalaxyl-M (phenylamide) and Chlorothalonil (chloronitrile) permits protective and curative use, best results are achieved when fungicide is applied with knapsack sprayer when the disease is still in the early stage of development.

Application Technique

Foliar spray with sufficient quantity of water to ensure uniform coverage on leaves.

Equipment Type:

Spray with knapsack or any other suitable sprayer

NozzleType:

hollow cone nozzle or any other suitable nozzle.

Dosage:

Please refer recommendation table.

Instruction for Mixing:

Please see " direction of use"

Re-entry Period

24 hours

Manner and Time of Application

The first spray to be given as preventive or at initial disease appearance followed by 1-2 sprays at 10-12 days interval.

Application Timing

Should be used preferably in early morning or evening hours

Frequency

The first spray to be given as preventive or at initial disease appearance followed by 1-2 sprays at 10-12 days interval. Maximum number of sprays in a crop season are three.

Stages during which pesticides should not be applied on any crop :

Not to be applied during crop maturity and just before crop harvest.

Precautions to be taken to avoid harm to the beneficial insects like honey bees and natural enemies of pests :

1. Intoxicated for fish and other aquatic animals. Therefore, aquaculture should not be used for driving.
2. Speed ??for bees. Therefore, active foraging of bees should not be used during more than.

Symptoms Of Poisoning

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This formulation may cause following poisoning symptoms: severe eye irritation (redness, pain, blurred vision) and slight skin irritation (redness). If inhaled/ingested, burning sensation, abdominal pain, decreased activity, respiratory tract irritation, diarrhoea, hypothermia, piloerection and stained muzzle, sedation, dyspnoea, exophthalmus, tonic-clonic muscle spasms. may occur. corrosive to eyes

First Aid

If ingested: if person is conscious and alert, rinse mouth with water and give 1 or 2 glass of water to drink. Never give anything by mouth to an unconscious person. Call the doctor. Do not induced vomiting until and unless desired by attending physician.

If inhaled: Take the patient to fresh air and take care of body temperature. If patient is not breathing or breathing with difficulty, give artificial respiration, Consult a physician.

In case of skin contact: Wash thoroughly the affected part of body with soap and plenty of water including hairs and under fingernails. If pain, redness or irritation persists, consult a doctor. All contaminated clothes should be segregated and thoroughly washed with soap and water separately before use.

In case of eye contact: Rinse gently with plenty of water at least for 15 minutes. If pain, irritation, redness or photophobia persists. Consult eye specialist

Antidote

No specific antidote, symptomatic and supportive therapy

Phytotoxicity

Non phytotoxic, if applied at recommended dose.

Storage Conditions

1. The package containing the fungicide shall be stored in original containers separate rooms or premises away from the rooms or premises used for storing other articles particularly articles of food or animal feed shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the fungicide.
2. The rooms or premises meant for storing the fungicide shall be well built, dry, well-lit and ventilated and sufficient dimension to avoid contamination with vapour.
3. Keep away from direct sunlight and from reach of children, animal and unauthorized persons.
4. Do not allow the product to freeze.

Safety Precaution:

Do not use cooking utensils for preparing the spray solution. Use wooden stick for stirring the spray solution. Avoid contact with skin, eyes, mouth and clothing. Avoid inhalation of fog, vapors or spray mist. Wear protective clothing (full sleeve shirt and pants), chemical resistant gloves, mask, goggles, cap/hat and boots) while handling the product. Do not eat, drink or smoke while applying the product. Wash hands with soap and plenty of water and change clothes after the work is over. Avoid contamination of air and water bodies with the insecticide. Also wash the contaminated clothes before re-use. Newly treated areas must not be grazed and all livestock area is to be kept out until the treated area is dry. This product should not be applied (tank . Mix) with any other chemical. Do not blow nozzle with mouth. Do not spray crops under stress. If any indisposition occurs, stop the work, follow first aid measures and call a physician immediately. Spilt product must not be re-used. Remove heavily contaminated soil layer, collect up spilt material thoroughly and bury it in a safe place. Rinse spilt area with plenty of water. Run-off in to surface water to be avoided. In case of any sign of poisoning, immediately consult the doctor.

Cautionary Statement:

- 1. It is toxic to honey bees, spray application should be avoided during the foraging period of bees.**
- 2. Highly toxic to fish, aquatic organisms hence should not be used near water bodies, aquaculture or pisciculture.**
- 3. Not to be used for any purpose other than those subscribed on label and leaflets.**
- 4. Destroy the container after use as directed on leaflet.**

Disposal of used containers, washing from equipment and surplus material :

1. It shall be the duty of manufactures, formulators of insecticides and operators to dispose packages or surplus material and washings in a safe manner so as to prevent environmental or water pollution.
2. The used packages shall not be left outside to prevent their re-use.
3. The packages shall be broken and buried away from habitation.

Manufacturer Premises :

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District Baroda, Gujarat
Maharashtra

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