





μ™ → » á³ —° qñ« — 3™ j @œ² — j © » Q

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Please refer recommendation table.

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—@³ q@³™ — «, « Q

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° j q@œ — μw μ™ → Q

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° n p —° 23° j ° Q

n . « —° 23

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n p —° 23° j ° Q n . « —° m —° 2° á³ w — » Q

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μ™ → » á³ —° qñ« — 3™ j @œ² . p ° @μ — j © » Q

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1!² Ÿμ | ° mō³ j μ³ j —° — μw , Qo° μwž . o.™ — μwvâ . —ýœ — q@³™ — » — j — œ » wQ

2!² —² á³ — μw™ @Q o° μwž m —° m —° q@³™ — « —² —² á³ —° — 3™ j™ — q@³™ — » — j — œ » wQ

. 1 — μ¼

o —° 2 μ , —° 3 m° ¼° μ¼° œ² «™w —° » , ž |° @-3 ž vâ — a ý² ° ž . —μ — a © — μws² . « ž —° âμ —° 2 ° @ , 3 —° xŸ — | ° ý | ° Q° ¼ —° f —° . fl Qn —² j μ —° —° » Q

® «® n . 1 μ ©

o —° —°™ 2 —° m —° ® —° 1 á© — » » Q

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m™² » ° —™ μ³ —° 3 « ý³ á©° œ | ° —° —° ž © —° 2 » —ýμ —° 3 | ° —° —° μw 1³ 2™ μ ° —° «Qw —° » , ý³ á© —² » ° —° —° —° » «Q | á —° —° μ wQ ° —° q@ —° œ —° —° μ » qý —° —° 3 Q

3 « ° ° 2° μ³ j —° —°™ —° © j » . 2° μ j w | ° , —° —° @ —° —° á³ μ —° Q³ « —°™ ° —° —° μ —° » —° 3 —° —° p —° ° ° μ —° » ž © —² . ° —° «ž w —° œ —° —° ®² , l —° Q

ñ œ —° @ —° 2 2 μ² , —° —° ± . © » ° —° mçŸ —° © » ° ° —° —° w | ° —° μ | ° —° —° » © —° —° —° ° ©² μ —° Q³ « «ž μ μ² 3 j μ —° —° » © » ž © | á —° —° ®² , l —° Q° ± « 1 © —° ® —° —° mμ™ —° j —° —° œ » w | ° q@³™ ° @μ ° —° | ° —° ° mçŸ —° © » ° —° —° œ » wQ

n —° —° @ —° 2 2 μ² —° —° —° 15° 2 —° —° μw° » © —° —° —° ž —° —° wQ³ « «ž j μ —° ž μ μ² 3 —° —° —° 3° —° —° » © » © —° —°™ , 1½° —° μ » μ Q

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**Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet**



**Metaxyl - M 31.8% ES**

**( Systemic Fungicide )**

Metaxyl-M 31.8% ES is a highly active and systemic fungicide based on the active ingredient, Metalaxyl-M and is recommended as a wet slurry seed dresser for the control of downy mildew in Maize, Pearl millet, Sorghum and Sunflower. It is also recommended for damping off disease control in Chilli and Tomato and downy mildew and white rust in Mustard crop as a seed dresser.

<b>Chemical Composition:</b>	<b>Ingredient</b>	<b>%W/W</b>
Dodecylphenylsulfonic acid, triethanolamine salt	other ingredient	0.9 % w/w
Dye Stuff: Red azo dye stuff	other ingredient	5.5 % w/w
Metalaxyl-M a.i.	a.i	31.8 % w/w
Oxypropylene-polyoxyethylene co-polymer (Ethylene/propylene oxide block polymer)	other ingredient	3.6 % w/w
Sterylphenol polyethoxyester . phosphate	other ingredient	1.8 % w/w
Tristyryl phenol 16 EO	Emulsifiers	2.7 % w/w
Water	other ingredient	Q.S. % w/w
<b>Total:</b>		<b>100.00% w/w</b>

**Recommendation**

<b>Crop(s)</b>	<b>Common Name of Pest</b>	<b>Dosage/HA</b>		<b>Dilution in Water Not applicable</b>	<b>Crop Stage</b>	<b>Re-entry Period</b>	<b>Pre Harvest</b>	<b>Frequency</b>
		<b>AI g a.i./kg seed</b>	<b>Formulation ml/kg seed</b>					
Tomato	Damping off	0.64	2.0		Seed treatment before sowing.	Not applicable for seed treatment products.	Used as seed dresser	Seed dresser at the time of sowing. Maximum number of application is One.
Pearl Millet	Downy Mildew	0.64	2.0		Seed treatment before sowing.	Not applicable for seed treatment products.	76	Seed dresser at the time of sowing. Maximum number of application is One.
Maize	Downy Mildew	0.76	2.4		Seed treatment before sowing.	Not applicable for seed treatment products.	3.5-4 months	Seed dresser at the time of sowing. Maximum number of application is One.
Chilli	Damping off	0.64	2.0		Seed treatment before sowing.	Not applicable for seed treatment products.	Used as seed dresser	Seed dresser at the time of sowing. Maximum number of application is One.
Mustard	Downy Mildew and white rust	1.11	3.5		Seed treatment before sowing.	Not applicable for seed treatment products.	Used as seed dresser	Seed dresser at the time of sowing. Maximum number of application is One.
sunflower	Downy Mildew	0.64	2.0		Seed treatment before sowing.	Not applicable for seed treatment products.	90	Seed dresser at the time of sowing. Maximum number of application is One.
Sorghum	Downy Mildew	0.64	2.0		Seed treatment before sowing.	Not applicable for seed treatment products.	114	Seed dresser at the time of sowing. Maximum number of application is One.

**Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet "**

**Note:-**

## Good Practices relating to pesticide application techniques

### **Direction of Use**

For small lots, mix the required quantity of Metalaxyl M with 10-20 ml of water for each kg of seed to be treated. Add the slurry to the seed and rotate or stir the container (plastic drum or plastic bag) until the seeds are uniformly covered (usually less than a minute).

Metalaxyl-M 31.8% EC is recommended for application as slurry with continuously operating commercial seed dressing equipment. For preparation of slurry proceed as follows:

Fill the slurry tank with the required volume of water which will be ½ times the quantity of Metalaxyl M 31.8% ES to be used. As a general rule, this will be about 500 ml and should not exceed 1000 ml/100 kg seed even when other products are used in combination treatments.

1. Add the specified quantity of Metalaxyl-M 31.8% ES on the water surface.
2. Wait until the product has disappeared into the water without stirring.
3. Stir for about 10 minutes. The slurry is ready for immediate application.

Use the slurry to treat seeds as required in a seed-treating drum. Dry the seed in the shed before sowing. No deleterious effects are noticed on the seed viability and disease control in Metalaxyl M 31.08% ES treated seeds for the period of 12 months provided seeds are of high quality and are stored under prescribed cool dry conditions.

### **Weather Condition(in general):**

Do not treat the seeds during the windy weather conditions or during hot hours of the day. Do not treat the seeds during high wind speed. Do not underdose and overdose by overlapping applications or by exceeding the recommended rate.

### **Soil & Water(where ever applicable):**

This is not a soil applied fungicide (however, treated seeds come in contact with soil at the time of sowing). 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:**

Seed treatment before sowing.

### **Application Technique**

Metalaxyl-M 31.8% ES is recommended for application as slurry with continuously operating commercial seed dressing equipment. For preparation of slurry, please refer column % instructions for Mixing+Ē

- a. Prepare the slurry as described under column % instructions for Mixing+Ē
  - b. Fill the seed into the receptacle.
  - c. Start mixing the seed.
  - d. Apply the required amount of slurry by pouring onto the mixing seed.
  - e. Mix for about 30 seconds to one minute to achieve a homogenous treatment. An extended mixing will lead to abrasion and dust forming.
- Use the slurry to treat the seeds as required in a seed . Āreating drum. Dry the seed in shed before sowing.

### **Equipment Type:**

**On farm treatment in bio-degradable plastic bags or seed treatment drums/containers or commercial seed dressing equipment**

### **NozzleType:**

**Not applicable for seed treatment.**

### **Dosage:**

Please refer recommendation table.

### **Instruction for Mixing:**

Please refer direction of use.

### **Re-entry Period**

Not applicable for seed treatment products.

### **Manner and Time of Application**

Seed dresser at the time of sowing.

### **Application Timing**

**Caution:Í Not to Be Used on Crops Other Than Specified on This Label/LeafletĪ''**

should be used preferably in early morning or evening hours.

#### **Frequency**

Seed dresser at the time of sowing. Maximum number of application is One.

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

**Not applicable as the product is applied as seed treatment before sowing.**

#### **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 and more use.

#### **Symptoms Of Poisoning**

The unspecific symptoms observed in rats are sedation, dyspnoea, exophthalmos, curved to ventral position, tonic clonic muscle spasms and ruffled fur. corrosive eyes. mild eye irritant.

#### **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**

Not phytotoxic at recommended dosage.

#### **Storage Conditions**

1. The package containing the fungicide shall be stored in tightly closed 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 slurry. Use wooden stick for stirring the slurry solution. Avoid any contact of skin, eyes or clothing with slurry solution. Do not breath vapour, if any due to application of slurry solution. Do not eat, drink or smoke while handling the product, wash hands and face before doing so. Wear always protective clothing to cover full body (full sleeve shirts and pants), chemical resistant gloves, eye protection (goggles), boots/covered shoes during mixing/handling, application and handling of product and treating seeds, etc. Change working clothes and wash hands and face thoroughly immediately after handling the product. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution. If contamination occurs with concentrate or slurry, immediately wash skin thoroughly, flush eyes for at least 15 minutes with abundant fresh water, and remove contaminated clothing. Seed treatment should be done in a well-ventilated area. Spilt product must not be re-used. Rinse spilt area with plenty of water. Remove heavily contaminated soils layers, collect up spilt matters thoroughly and bury it in a safe place. Do not store unused / left over slurry solution. Newly treated areas must not be grazed and all livestock is to be kept out.

#### **Cautionary Statement:**

- 1. It is toxic to honey bees, spray application should be avoided during the foraging period of bees.**
- 2. 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 :**

**Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet "**

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 :**

Plot No. 1, Swastik Ceramic Compound, AT & PO Sankarda,  
District Baroda, Gujarat  
Maharashtra

Syngenta India Limited, Santa Monica Works, Corlim, Ilhas, Goa  
Maharashtra

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

**Manufactured by**

Syngenta India Limited  
Syngenta India Limited, Amar Paradigm, S.No. 110/11/3, Baner  
Road, Pune- 411 045 Pune Maharashtra

**Customer Care Details:**

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Email: Rajesh.Dhawan@syngenta.com,  
Contact No: 011-71010212

**Safety Pictograms:**



**Caution: Not to Be Used on Crops Other Than Specified on This Label/Leaflet "**















no specific antidote is known; apply symptomatic therapy.

Cautionary statements:

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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.

Manufactured by

Syngenta India Limited  
Syngenta India Limited, Amar Paradigm, S.No. 110/11/3, Baner Road, Pune- 411 045 Pune Maharashtra

Premises Address

m™™2 »'°' -™µ' µ3 '»-3 «'y3 â©'° œ©' | '°©-†»ž©'©-°°' 2 »-ýµ' -'3' | '°©-°-° µw1'3' 2'™µ' °'©-°-° «Qw-°» , ' y3 â©'-2 »'°-ý'±'±'-'-» 'Q; â°'-°°µ vQ °-'q®' a©' œ-ñ° -°°µ »'qy°'-°-3'Q

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4! q®3™'°°° «'°µ' |ø°'-°µÓµ°2' «3'™B'°°°-« , '°-°m-°°° -°-°-°Q

qñ®«-

(1). Plot No. 1, Swastik Ceramic Compound, AT & PO Sankarda,  
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(1).

(2).

(3).

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p² μ -' Rajesh.Dhawan@syngenta.com,  
Contact No: 011-71010212

### Safety Pictograms:

