





## Secondary Package Label

**[Ultra-small (1ml or gm to 50 ml or gm)] & [small (51 ml or gm to 250 ml or gm)]**

**Read leaflet before use:**

**Common Name:**

Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)

**BRAND NAME: -**

**Crops and Pest Groups: Bacillus subtilis 1.50% liquid formulation is a bio-fungicide used for the effective control of sigatoka disease in banana crop.**

Dosage, Direction for use and Manner and time of application : Please refer leaflet for details

**Purpose:**

For agricultural use.

**Re-entry:**

12 hours.

**Chemical Composition :**

**Content % w/w**

Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)	(Spores and mycelial fragments) (CFU 1X10 <sup>8</sup> / ml min)	1.50% % w/w
Growth medium*	*Growth Medium : Beef Extract . 4 gm, Glucose . 4 gm; Peptone . 4 gm; NaCl - 5 gm with Antifoam 0.2% (Castor oil based)	96.00% % w/w
Dispersal agent (Glycerol)		0.50% % w/w
Osmatic stabilizer (PVP K-30)		2.00% % w/w

**Total: 100.000**

**Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)**

Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)

**Contact Fungicide**



Keep in cool, dry place away from heat and open flame.

Regn. No.	_____
Mfg. Lic. No.	_____
Batch No.	_____
Mfg Date	_____
Exp. Date	_____
Net Content / Volume	_____

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(1). 8/23-24, Race Course Road, Coimbatore- 641 018  
Tamil Nadu

(1). 8/23-24. ??? ?????? ???, ????????? - 641 018

**Customer Care Details**

M/s T Stanes and Company Limited  
8/23-24, Race Course Road, Coimbatore . 641018

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² 0 π . π 0° \ wδ! '—ú@— '° μ ° 2 π!  
8/23-24ž '° '—° ' ' ' ž —³ ú° © ' ' . 641018

**Safety Pictograms:**



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1 x 10 gm mi

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i ° @ μ ° w ° a fi μ ° μ fl 0.50% w/w

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2 x | ° @ -

» μ - ° ± ° 2 x x ° - μ w Q ° Y Ê - - μ w ° Ó ° - ° @ 2 μ - - Q

° μ m a

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n . « - © -

@ - ° ° Y Ê -

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





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oe ± m . . . ce » w Q  
2! j . . . m . . . 2 . . . j . . . « , . . . » . . . m c Y . . . » n Z . . . a Z . . . « . . . m u . . . ce E . . .  
» . . . ce » w . . . j . . . « , . . . » . . . « 1 » . . . j . . . » . . . Q

1! . . . m . . . 2 3 Z . . . m . . . Y . . . j . . . » . . . | . . . n ce . . . Q 2! . . . m . . . 2 m w Q 3! . . . n . . .  
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s m . . . m c Y . . . » n w Q 4! . . . ce » 3 . . . 2 . . . a . . . » . . . Z . . . m . . . ± 2 Z j . . . j . . . m . . . « 1 . . . » . . .  
» Z . . . » . . . Y . . . Q 5! . . . q . . . m . . . l . . . 1 . . . 1/4 n . . . E . . . q . . . m . . . ce » w j . . . 2 . . . « . . . z 3 . . . s m . . . m . . .  
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2! q . . . m . . . 3 . . . w . . . j . . . m . . . 2 . . . Y E . . . » . . . q . . . m . . . 3 . . . j . . . » . . . Q  
3! . . . j . . . » . . . n . . . « . . . » . . . j . . . 2 . . . » . . . ce . . . m . . . E . . . » . . . Q

q n « . . .  
8/23-24! . . . | . . . Z . . . 3 2 . . . 641 018

q n « . . .  
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8/23-24! . . . | . . . Z . . . 3 2 . . . 641 018 . . . 3 2 . . .

» . . . « . . . ± m . . . » . . .

2 o m . . . m o . . . v d . . . u . . . m . . . 2 m j  
8/23-24 Z . . . | . . . Z . . . 3 u . . . 641018

1/4 . . . ce . . . m . . .



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**Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)**

( Contact Fungicide )

1 x 10<sup>8</sup> gm/ml

Bacillus subtilis 1.50% Liquid Formulation is a bio-fungicide used for the control of Sigatoka disease in Banana crop.

<b>Chemical Composition:</b>	<b>Ingredient</b>	<b>%W/W</b>
Bacillus subtilis 1.50% Liquid Formulation (T Stanes Bs-1 Strain Accession No. MTCC 25072)	(Spores and mycelial fragments) (CFU 1X10 <sup>8</sup> / ml min)	1.50% w/w
Dispersal agent (Glycerol)		0.50% w/w
Growth medium*	*Growth Medium : Beef Extract . 4 gm, Glucose . 4 gm; Peptone . 4 gm; NaCl - 5 gm with Antifoam 0.2% (Castor oil based)	96.00% w/w
Osmatic stabilizer (PVP K-30)		2.00% 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 lit/hectare</b>	<b>Crop Stage</b>	<b>Re-entry Period</b>	<b>Pre Harvest</b>	<b>Frequency</b>
		<b>AI</b>	<b>Formulation lit/hectare</b>					
Banana	Sigatoka (caused by Mycosphaerella musicola)		5.0	750	Foliar spray on disease incidence during vegetative/ reproductive phase of the crop	12 hours	Not applicable for bio-pesticides	Foliar spray at 15 days interval 2-3 times as per requirement.

**Note:-** One kg formulation contains 15 g biomass of Bacillus subtilis culture.

**Good Practices relating to pesticide application techniques**

**Direction of Use**

Mix 5.0 litre quantity of Bacillus subtilis 1.50% Liquid Formulation in 750 litre water and spray in one hectare area on banana crop to control sigatoka disease.

**Weather Condition(in general):**

Should be used during favorable weather conditions and should not be used during extreme weather conditions.

**Soil & Water(whenever applicable):**

Light to heavy soil .Clean water to be used for spray.

**Crop Stage for application:**

Foliar spray on disease incidence during vegetative/ reproductive phase of the crop

**Application Technique**

Foliar spray

**Equipment Type:**

**Knapsack sprayer**

**NozzleType:**

**Hollow cone nozzle**

**Dosage:**

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

5.0 lit/ha

**Instruction for Mixing:**

Mix 5.0 litre quantity of Bacillus subtilis 1.50% Liquid Formulation in 750 litre water and spray on banana crop in one hectare area to control sigatoka disease.

**Re-entry Period**

12 hours

**Manner and Time of Application**

Spray freshly prepared solution on the crop on initiation of disease incidence preferably in early morning or evening hours.

**Application Timing**

Early morning or evening hours

**Frequency**

Foliar spray at 15 days interval 2-3 times as per requirement.

**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 :**

**Symptoms Of Poisoning**

Headache, Nausea, Vomiting, irritation & allergy may occur.

**First Aid**

1. If swallowed, induce vomiting by tickling the back of throat. 2. If skin and clothes are contaminated, wash the contaminated skin and clothes with plenty of water and soap. 3. If eyes are contaminated, flush the contaminated eyes with normal saline and water for 10 to 15 minutes. 4. Remove the patient into fresh air.

**Antidote**

Treat symptomatically.

**Phytotoxicity**

Non phytotoxic at recommended dosage.

**Storage Conditions**

1. The packages containing the Bio-fungicide shall be stored in separate room or premises away from the rooms or premises used for storing other articles particularly articles of food or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the Bio-fungicide.
2. The rooms or premises meant for storing the Bio-fungicide shall be well built, dry, well lit and ventilated and of sufficient dimension to avoid contamination with its vapours.

**Safety Precaution:**

1. Avoid inhalation and skin contact while diluting because of spillage or splashes. 2. Do not mix with bare hands. 3. After each operation, the mixing and spraying equipment is to be rinsed thoroughly with plenty of water and detergent or soap solution before being put to use for spraying other pesticides. 4. Any surplus spray solution must not be disposed off in crop lands in stagnant or flowing water, where there is a possibility of polluting water sources. 5. The user should use full protective clothings which include rubber gloves boots, either face shield or dust mask and overall rubber apron, hood or hat. 6. Do not smoke, eat or drink during handling and application.

**Cautionary Statement:**

**1. Not to be used for any purpose other than those subscribed on label and leaflet 2. Destroy the container after use as directed on leaflet.**

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

8/23-24, Race Course Road, Coimbatore- 641 018  
Tamil Nadu

**Manufactured by**

TStanes and Company Limited,  
8/23-24, Race Course Road, Coimbatore- 641 018 Coimbatore  
Tamil Nadu

**Customer Care Details:**

M/s T Stanes and Company Limited  
8/23-24, Race Course Road, Coimbatore . 641018

**Safety Pictograms:**



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