

TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

#### PRECAUTIONS

1. Handle with care. Avoid splashing and contact with skin, eyes, nose, and mouth.
2. Poisonous by swallowing, inhalation, and contact with skin.
3. **WEAR FULL PROTECTIVE CLOTHING** i.e. rubber gloves, rubber boots, overalls, hood, and respirator when mixing and applying this insecticide.
4. On completion of spraying, remove protective clothing and wash hands and face thoroughly with soap and running water. Dispose of the water in a safe manner.
5. **KEEP APART FROM FOOD AND FOODSTUFFS.**
6. **DO NOT** eat, drink or smoke while applying this pesticide.
7. **KEEP OUT OF THE REACH OF CHILDREN.**
8. Toxic to livestock and domestic pets.
9. **DO NOT** contaminate drinking pools, dams, rivers, waterways and other water supplies.
10. Store in the original container and **KEEP UNDER LOCK AND KEY.**
11. Destroy empty containers by punching holes and crushing and burying on designated dumping sites. Do not use for any other purposes.

#### SYMPTOMS OF POISONING

This may include headache, nausea, vomiting, tremors and later convulsions.

#### FIRST AID

In mild exposure without ingestion and only minor symptoms, decontaminate by washing with soap and water.

Should accidental poisoning occur, seek medical attention and show this label to the physician. Remove contaminated clothing and wash the affected area with plenty of water.

If **swallowed**, **DO NOT** induce vomiting but seek medical advice. Give patient a glass of water to drink whilst waiting for the doctor.

If **inhaled**, move person to fresh air.

If **eyes are contaminated**, flush with clean water for 15 minutes (holding eyes open).

If on skin, wash with plenty of water for 15 minutes. **SEEK MEDICAL ADVICE AND CALL POISON CONTROL CENTER.**

#### NOTE TO PHYSICIAN

If swallowed: Stomach lavage with warm water and then saline purge.

#### EMPTY CONTAINER DISPOSAL

Invert the container over the spray tank or mixing tank. Allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water to a minimum of 25% of the container. Add the rinsate to the contents of the spray tank. Destroy the empty container by perforation and flattening. Bury away in a designated area or away from water sources. **DO NOT** use for any other purposes. If possible, offer the container for recycling and reuse.

#### DECONTAMINATION OF SPRAYER

Clean applicator thoroughly after use and ensure that all traces of the pesticide are removed. Make use of the following method:

- a) Drain and rinse the tank, boom sprayer and hoses with clean water for at least 10 minutes.
- b) Fill tank with clean water and add to it 1.0 liter household bleach (sodium hypochlorite) (5%) or 1.5 liters of household bleach (3.5%) per 200 liters of water. Rinse hoses and spray boom and leave in a tank for 15 minutes whilst agitating. Drain through nozzle outlets.
- c) Repeat step b) and thereafter, rinse thoroughly with clean water. Dispose of the water at a site designated for the disposal of pesticides.

#### WARRANTY

The excellent results which this chemical normally yields are not however warranted or guaranteed as the effectiveness can be greatly influenced by factors outside the control of either the manufacturer or the distributor. No warranty whatsoever expressed or implied is therefore given concerning the effectiveness of this chemical. Any responsibility is specifically excluded for any damage, injury or loss of any kind of loss during or resulting from its handling, use or storage whether or not such has been in accordance with label directions. This product is warranted to consist of the ingredients shown on the label.

**SHELF LIFE:** Two years from the date of manufacture if kept in the original unopened container under constant cool and dry conditions.

Batch Number:

Date of Manufacture:

# ABAMECTIN18EC INSECTICIDE /ACARICIDE

Reg.No.20-D-141-45

Net Contents:  
1 LITRE



## DANGEROUSPOISON

### AVOID BREATHING VAPOUR

### USE ONLY IN WELL VENTILATED AREAS

**FLAMMABLE: DO NOT HANDLE ABAMECTIN 18EC NEAR HEAT OR OPEN FLAMES**

#### COMPOSITION

Mass/vol

Abamectin.....18g/l

#### CHEMICAL

GROUP: Avermectin

AN EMULSIFIABLE CONCENTRATE TRANSLAMINAR INSECTICIDE/ACARACIDE  
ACTING AS A STOMACH AND DIRECT CONTACT POISON FOR THE CONTROL OF AMERICAN  
LEAFMINER, CITRUS THRIPS AND REDSPIDER MITES ON CROPS As LISTED.

#### Registered and Distributed by:

Optimum Agro (Pvt) Ltd

12 Highfield Road, Southerton, Harare.

Phone number:0242774725

E-mail:sales@optiagro.co.zw

Batch number:

Date manufactured:



Due to the inherent risk of resistance development to any product, it is strongly recommended that ABAMECTIN18EC be used in a resistance management programme which includes the use of products with different modes of action. Applications must be made, only when necessary, based on integrated pest management programmes.

2 sprays per season on citrus, or  
4 sprays per season of the lowest rate recommended on apples and pears, or  
4 sprays per growing season on strawberries, or  
5 sprays per season on tomatoes.

ABAMECTIN 18EC is rapidly absorbed into the plant and under normal conditions resists wash-off provided the spray mixture has been given adequate time to dry off completely. Over-spraying may result in less effective control by causing run-off of ABAMECTIN 18EC from the leaf surface.

<p><b>TOMATOES</b>  <b>POTATOES, VEGETABLES</b>  <b>Red Spider Mite</b>  <b>(Tetranychus urticae),</b>  <b>American Leafminer</b>  <b>(Liriomyza trifolii)</b></p>	<p>560 ml/ha.  60 ml / 100 L water,  10 ml/15 l knapsack</p>	<p>Apply high volume, high pressure full cover spray at first signs of infestation. Spray to runoff using up to 1200 L spray mixture per ha. For young plants, use a minimum of 300 ml /ha of <b>FD Abamectin 1,8 EC</b> in 500 L water. Spray volume to provide full cover spray to runoff point. <b>DO NOT</b> exceed 1 200 litres. <b>Note:</b> (i). For spider mite, repeat application as necessary. (li).For American Leafminer, repeat application every 7 days or as needed to maintain control. <b>PRE-Harvest intervals 3 days.</b> You may refer to cotton for more directions for use.</p>
<p><b>APPLES AND PEARS:</b>  <b>Red Spider Mite</b>  <b>(Tetranychus urticae),</b>  <b>European Red Mite</b>  <b>(Panonychus ulmi)</b></p>	<p>35 ml + 250 ml light mineral spray oil / 100 litre water, 750 - 1 500 ml/ha + 0,25 % spray oil.</p>	<p>Apply <b>FD ABAMECTIN 1,8 EC</b> when red spider mite population reaches the economic threshold level and repeat when necessary. Apply a high volume spray to the point of runoff. Less than 2 150 L /ha is used, then use a minimum of 750 ml Abamectin, plus 0,25% spray oil per ha and ensure sufficient coverage. <b>DO NOT</b> exceed 1 500 ml per ha per application or 3 000 ml. Abamectin 1,8 EC / ha in one growing season. Apples - Apply only to orchards where the IPM programme is not maintaining effective control of mites. <b>PRE- Harvest intervals: Apples 14 days, Pears 7 days.</b></p>
<p><b>STRAWBERRIES:</b>  <b>Red spider Mite</b>  <b>(Tetranychus urticae)</b></p>	<p>1 200 ml/ha</p>	<p>Apply a high volume, high pressure full cover spray at first signs of infestation. Apply initially 2 sprays 7 - 10 days apart and repeat if necessary. Use a minimum of 500 L/ha and ensure thorough coverage. <b>DO NOT</b> exceed 4 800 ml <b>FD Abamectin 1,8 EC</b> per ha per growing season. <b>PRE-Harvest interval: 3 days</b></p>
<p><b>CITRUS:</b>  <b>Citrus Thrip</b>  <b>(Scirtothrips aurantii)</b></p>	<p>10 ml + 300 ml light or medium grade narrow distillation range mineral spray oil / 100 L water</p>	<p>Apply <b>FD Abamectin 1,8 EC</b> when thrip numbers start to increase. Apply as a low cover spray and avoid run off. <b>DO NOT</b> apply more than two consecutive applications or three times in one season. <b>FD Abamectin 1,8 EC</b> should be alternated with other thrip remedies to retard resistance development. <b>DO NOT</b> use when more than 40% fruit is infested.  <b>PRE-Harvest interval: 14 days</b></p>

**Do NOT allow animals to feed on treated foliage.**

CROP	PEST	AMOUNT OF <b>FD ABAMECTIN 1,8 EC</b> OR AS STATED	APPLICATION DIRECTIONS				
Cotton	Red Spider mite	MIST BLOWER, KNAPSACK TAILBOOM, KNAPSACK LANCE AND AERIAL APPLICATION; <b>FD ABAMECTIN 1,8 EC</b>					
		Plant Height	Amount per/ha	Litres spray mix per ha			
				Mistblower	Knapsack Tailboom	Knapsack Lance	Aerial
		Up to 0.4m	135ml	35	50	100	5
		0.4 - 0.9m	270ml	65	100	100	10
		Over 0.9m	400ml	100	150	100	15
		To improve spray penetration into the crop and reduce evaporation molasses must be added to the spray mixture at 25% by volume for aerial spraying. Ground U.L.V. Application; Mix 80ml <b>FD ABAMECTIN 1,8 EC</b> with 350ml molases and make up to 1 litre with clean water. Apply mixture as follows:-					
		Plant Height	Swath on 1m wide rows	Walking speed meters/min	Height of sprayer above crop	Litres / spray mix per ha	
		Up to 0.4m	4 rows	90	0.75 - 0.5m	1.7	
0.4 - 0.9m	3 rows	60	0.5 - 0.25m	3.3			
Over 0.9m	2 rows	60	Top of crop	5.0			
<b>DO NOT</b> feed treated cotton plants to livestock within 21 days of last application.							

Re-entry period: 12 hours