

**Emulsifiable Concentrate**

Insecticide/Miticide for the control of mites, leaf miners on ornamentals/ flowers (Roses, Carnations, Chrysanthemum, Statice and Gypsophila); French beans and snow peas.

**Huchanganyika na maji**

Dawa nzuri ya kuangamiza wadudu wa aina ya karina na leafminer kwenye maua ya aina mbali mbali, maharagwe na mbaazi.

**GUARANTEE / DHAMANA; Abamectin 18 g/lt.**

**REGISTRATION NO. / NAMBARINI YA KUSAJILIWA; PCPB(CR) 0515**

**KEEP LOCKED OUT OF REACH OF CHILDREN / WEKA MBALI NA WATOTO**

**COMMERCIAL AND AGRICULTURAL CLASS / KUNDI LA BIASHARA NA KILIMO**

**READ THE LABEL AND ATTACHED LEAFLET BEFORE USE /**

**SOMA KIBANDIKO NA UKURASA KABLA YA KUTUMIA DAWA HII**

**Shelf Life:** At least 2 years from date of manufacture in original sealed containers.

**Maisha Rafuni:** Si chini ya miaka miwili kuanzia tarehe ya kutengenezwa ikiwa imehifadihiwa katika viwekeo vyake asili ambavyo havijafunguliwa.

**Incase of an emergency Call Toll free No.: 0800 720021 / 0800 730030 (24hr)**

**Kukiwa na jambo la dharura piga simu isiotozwa Nambari:** 0800 720021 / 0800 730030 (Masaa 24).

**Batch No. / Nambari ya kifurushi:**

**Date of Manufacture / Tarehe ya kutengenezwa:**

**Expiry date / Tumia kabla ya:**

® = registered trademark of a Syngenta Group Company

**Manufactured by:** Syngenta Crop Protection AG, Basel, Switzerland

**Distributor:** Syngenta East Africa Ltd

P. O. Box 30393 00100 - NAIROBI - KENYA

Tel: 254-703 018 000 / 703 019 000, Fax: 254-20 271 4864

**Net Content / Kiasi: 1 Litre / Lita 1**



Product names marked ® or ™, the ALLIANCE FRAME  
the SYNGENTA Logo and the PURPOSE ICON  
are Trademarks of a Syngenta Group Company





# Avid® O18EC

Miticide/insecticide

**Emulsifiable concentrate**

**Non-Flammable**

**Storage:** Store away from sun and damp in original sealed containers out of reach of children, unauthorised persons and animals. Avoid storage above 35°C.

**Shelf life:** At least 2 years from date of manufacture in original sealed containers.

® Registered Trademark of a Syngenta Group Company

**Manufactured by / Watengenezaji:**  
Syngenta Crop Protection AG, Basle,  
Switzerland

**Huchanganyika na maji**

**Haishiki moto**

**Kuhifadhi:** Dawa iahfidhiwe katika viwekeo vyake asili vilivyofungwa, mahali pakavu kivulini, mbali na watoto, vyakula na mifugo.

**Maisha rafuni:** Si chini ya miaka miwili kuanzia tarehe ya kutengenezwa ikiwa imehifadhiwa katika viwekeo vyake asili ambavyo havijafunguliwa.

**Distributor / Wauzaji**

**Syngenta East Africa Ltd.**

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**Net Content / Kiasi: 1 Litre / Lita 1**



**syngenta.**

## Description

Insecticide/Miticide for the control of mites, leaf miners on ornamentals/ flowers (Roses, Carnations, Chrysanthemum, Statice and Gypsophila); French beans and snow peas.

## Mode of Action

Abamectin is a broad spectrum pesticide which inactivates arthropod species including mites and insects. It acts by stimulating the pre-synaptic release of the inhibitory neurotransmitter, gamma-aminobutyric acid (GABA), binding to the post synaptic receptors. The susceptible insects and mites become irreversibly paralysed and are thereby killed. Abamectin does not affect the cholinergic system as do most insecticides. Due to the unique chemistry and mode of action of AVID®, cross resistance to other pesticides is highly unlikely.

## Spectrum of Activity

AVID® is recommended for the control of spider mites and leaf miners in protected and outdoor flower crops and other ornamentals and on green beans and peas.

\* Do not use on ferns (e.g., Adiantum sp)

## Recommendations for Use

Crop	Pest	Rate		
		ml/100 lt	lt/ha	ml / 20L
(Roses, Carnations, Chrysanthemum, Statice, Gypsophila.	Red spider mites	25 - 50	0.25-0.50	5-10
	Leafminers	50 -75	0.50-0.75	10-15
Snow Peas, French Beans	Leafminers	50 -75	0.50-0.75	10-15

**Using knapsack sprayer:** use 10 ml per 20 lt and 7.5 ml per 15 lt knapsack - based on 1000 lt/ha. Using 500 lt/ha: use 20 ml/20 lt or 15 ml/15 lt knapsack.

### **Pre-harvest intervals**

French Beans, Snow Peas                    3 days

### **Timing**

Mites: At first signs of infestation or as soon as the population reaches a threshold of 1-5 motiles per leaf.

Leafminers: At first signs of infestation, when punctures caused by egg laying are visible.

### **Application Technique**

To ensure best pest control results it is essential to achieve even and thorough coverage of all plant surfaces. To do this properly, high volume wet spraying should always be used.

### **Resistance Management**

Because of the inherent risk of resistance development to any product, it is strongly advised that AVID® be used in a sound resistance management programme that includes the use of other products with different modes of action. Do not use AVID® more frequently than at 5-7 day intervals. Where pest pressure remains high, AVID® should be used in rotation with other products like:

Leafminer control:                    Trigard® 75 WP

Spider mite control:                    Pegasus®

For ornamentals the total number of treatments per flush should not exceed 3. In peas and beans, the total number of sprays should not exceed 4 per season.

Wetters, spreaders or other adjuvants should not be added to the AVID® spray solution, unless a local farm trial has been done and no phytotoxicity or injury to the crop is noted.

## **Spraying Equipment**

AVID® can be sprayed with any ground application equipment calibrated to deliver sufficient water for thorough coverage. Adjust spray volume and nozzle placement to assure good coverage of tops and undersides of leaves without causing run-off.

## **Spray Volumes**

Ornamentals:	Mite control	1500-2500 lt./ha
	Leaf miner control	800-1200 lt./ha

**Re-entry interval:** Do not enter treated area before 24 hours have elapsed after last application, or unless protective clothing is worn and the spray deposit has dried.

## **Mixing**

Make certain application equipment is clean and not contaminated. Calculate carefully the required amount of spray mixture in order to prevent any left over in the spray tank after treatments. Fill the spray tank with half the required volume of water and start agitation. Add the required amount of product and continue agitation while adding the rest of the water and during spraying. Flush the sprayers with clean water after application or at the end of the day.

## **Storage**

Store in original tightly closed container away from sun and damp. Keep under lock and key, away from children, animals and other unauthorized persons.

## **Hazards and Precautions**

### **Precautions**

KEEP LOOKED OUT OF REACH OF CHILDREN and other unauthorized persons or animals.

### **Operator safety**

Strictly avoid all contact with skin, eyes or clothing. Avoid breathing spray mist.

Prolonged or repeated exposure to product may be harmful. Do not eat or smoke during work; wash hands and face thoroughly first. Wear protective clothing, i.e., overalls, gloves, gumboots and face shield. When applying indoors, wear respiratory mask, hat and goggles. Immediately wash off accidental splashes of product and spray mixture. Change contaminated clothing immediately and launder before re-use. After work wash entire body thoroughly with soap and water and change to clean clothing.

### **Product and Container disposal**

Dispose of surplus product on a landfill site approved for pesticides or bury in a safe place away from water supplies.

Dilute surplus application mixture, pour it broadcast on fallow land. Dispose of plastic containers in a landfill site or burn in a safe place. Do not re-use empty containers for any other purpose especially not for food, feed or storing drinking water.

### **Spillage and Leakage**

Remove heavily contaminated soil layer and bury in a safe place away from water supplies. Spillage's: soak up with sand, sawdust, soil or an oil binding agent. Collect up the contaminated material thoroughly and bury in a safe place or put in a waste bin or a plastic bag, mark it and dispose of on a landfill site approved for pesticides.

Treat spill area with plenty of water. Spilt product must not be re-used.

### **Environment and Wildlife**

VERY TOXIC to fish, aquatic organisms and wildlife. DO NOT CONTAMINATE water used for irrigation or domestic purposes and water areas such as rivers, lakes, ponds, ditches, drainage systems, etc. by disposal of product waste. TOXIC TO BEES. DO NOT spray when bees are actively foraging in an area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

No risk is expected for birds and earthworms, due to the low toxicity of the compound to these organisms. Keep all livestock out of freshly treated area.

## **FIRST AID INSTRUCTIONS**

If poisoning is suspected, stop work immediately and call a physician. Keep the patient in a well-ventilated room and strip off contaminated clothes. Wash contaminated clothes with soap and water. If the substance has been ingested, do not induce vomiting. In case of unconsciousness keep victim in lateral head-down position, do not give anything by mouth.

## **TOXICOLOGICAL INFORMATION**

No case of poisoning is on record.

**Antidote:** No specific antidote is known. Apply symptomatic therapy.

**In case of an emergency Call Toll free No.: 0800 720021 / 0800730030 (24hr)**

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use or store a pest control product under unsafe conditions.

## **WARRANTY**

Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**Dawa ya kuua karina na leafminer inayochanganyika na maji. Hutumika kwenye shamba la Roses, Carnations, Chrysanthemum, Statice na Gypsophila, mbaazi na maharagwe.**

**DHAMANA:** Lita moja ya AVID® ina gramu 18 za abamectin

### Inavyofanyakazi

AVID® ni kiua karina na leafminer ikiwagusa mwilini, na pia kabla na baada ya kuangua. Huua akarina wanaokinza 'organophosphates' na wale wanaouawa na 'organophosphates'.

### Matumizi

AVID® huua aina zote za wadudu wa 'mites' zinazoharibu mimea katika jamii zifuatazo:

Tetranychidae = red spider mites, tetranychid mites

Tenuipalpidae = false spider mites au flat mites

Eriophyidae = gall mites, eriophyid mites

AVID® huua leafminer za aina ya *Liriomyza* spp. kama, *Liriomyza trifolii* na *Liriomyza huidobrensis*.

### Mapendeleko ya kutumia

Mimea	Wadudu	Kipimo ml/100 lt.	It./ha	ml / 20L
Roses, Carnations, Chrysanthemum, Statice na Gypsophila	Karina Leafminer	25-50 50 -75	0.25-0.5 0.5-0.75	5-10 10-15
Mbaazi, Maharagwe	Leafminer	50 -75	0.5-0.75	10-15

## **Wakati wa kunyunyiza**

Wadudu wanapozuka. Rudia baada ya siku 5-7

### **Ukitumia bomba la mgongo:**

Tumia millilita 10 kwa bomba ya maji kiasi 20 au millilita 7.5 kwa bomba la maji kiasi 15. Mapendekezo haya ni ukitumia maji kiasi 1000 kwa hekta moja.

Tumia millilita 20 kwa bomba ya maji kiasi 20 au millilita 15 kwa bomba la maji kiasi 15. Mapendekezo haya ni ukitumia maji kiasi 500 kwa hekta moja.

### **Wakati wakungojea kable ya kuvuna**

Maharagwe na Mbaazi        siku 3

Kiasi cha maji kinachohitajika hulingana na ukubwa wa mimea - yaani mimea michanga huhitaji maji kidogo na ile mikubwa huhitaji maji mengi zaidi.

Namba ya wadudu ikiwa baado mingi fuatana mnyunyizo wa DYNAMIC® na mynunyizo wa NEORON® ama PEGASUS® kwa kuzuua karina na mnyunyizo wa TRIGARD® kwa kuzuua na kuua Leafminer.

### **Ukitumia knapsack (bomba ya kubeba mgongoni)**

Ukiwa na bomba ya lita 20, tumia millilita 10 kwa bomba moja. Ukiwa na bomba ya lita 15, tumia millilita 7.5 kwa bomba moja. Kiasi hiki kinatumika ukitumia lita 1000 kwa hekta moja. Tumia millilita 20 kwa lita 20 au millilita 15 kwa lita 15 ukitumia lita 500 za maji kwa hekta moja.

### **Kiasi cha maji**

Mbaazi na maharagwe: Bomba la kubeba mgongoni (knapsack) na trakta: Tumia mchanganyiko wa dawa na maji kiasi cha lita 200 hadi 1000 kwa hekta moja.

Maua – karina: Tumia mchanganyiko wa dawa na maji kiasi cha lita 1500 hadi 2500 kwa hekta moja.

Maua – leafminer: Tumia mchanganyiko wa dawa na maji kiasi cha lita 800 hadi 1200 kwa hekta moja.

### **Kuchanganya**

Tikisa dawa kabisa kabla ya kuitumia. Funika mkebe wa dawa wakati wote. Hakikisha kwamba bomba linafanya kazi sawa sawa kabla ya kulitumia. Weka nusu ya kipimo cha maji ndani la bomba la kunyunyizia. Ukitumia kichungio ongeza kiasi cha AVID® kinachohitajika, halafu jaza bomba na maji mpaka kipimo kinachotakikana. Tikisa kabisa wakati wa kuchanganya na pia wakati wa kunyunyiza. Kila mara changanya tu kiasi cha dawa kitakachowenza kutumiwa na kumalizika.

### **Kipindi salama cha kuvuna baada ya mnyunyisho wa mwisho**

Mbaazi, Maharagwe                    siku 3

### **Kuhifadhi**

Chumba chenye dawa kiwe kikavu na chenye hewa ya kutosha na daima kiwe kimefungwa. Usihifadhi pamoja na vyakula. Usiweke mahali penye joto zaidi ya 35°C.

### **Hadhari**

WEKA MBALI NA WATOTO, wanyama na watu wasiohusika na kazi yake.

### **Usalama kwa wanyunyizaji**

Usimeze Dymec. Usivute hewa iliyo na dawa. Chunga dawa isiingie kwenye macho, iguse mwili na nguo ulizovaa.

Usile, usinywe wala usivute sigara wakati wa kunyunyiza dawa, na kabla ya kufanya hivyo oga mikono na uso. Vaa nguo za kazi, yaani ovaroli, buti, kofia, ngao la sura na glavu hasa wakati wa kukoroga na kunyunyiza dawa. Ukimwagikiwa na dawa mwilini au nguoni, osha mara moja. Baada ya kazi oga mwili wote. Safisha nguo za kazi kabla ya kuzitumia tena.

### **Mazingira na wanyama wa pori**

Usimwage dawa ovyo ovyo mttoni au kwenye kisima. Wanyama wote wasikubaliwe kuingia mahali Dymec imenyunyizwa na usiokote au kuvuna chakula yoyote ya mifugo mahali imenyunyizwa dawa.

## **Dawa imalizikapo**

Dawa ikisalia imwage kwenye shimo maalum lililotengenezwa kwa kazi hiyo. Viwekeo vyote vya plastiki vichomwe au kufukiwa kwenye mashimo au vifukiwe sehemu nyingine isiyokuwa na maji. Viwekeo vikiisha dawa visitumike kwa shughuli yoyote, hasa kuweka vyakula ama maji ya kunywa.

## **HUDUMA YA KWANZA**

Kama ukijisikia umesumika, acha kazi na uone daktari mara moja. Mgonjwa awekwe mahali penye hewa ya kutosha, mbali na dawa. Kama alimwagikiwa na dawa, toa nguo na zivuliwe vizuri. Ikiwa dawa imeingia kwenye macho, yasashwe kwa maji mengi kwa muda wa dakika 15. Mgonjwa anyweshwe makaa maalum ikiwa amemeza dawa. Mtu aliyezirai asilishwe chochote. PELEKA MJERUHI KWA DAKTARI

## **Kinga**

Hakuna kinga maalum. Matibabu ni vile atakavyoona daktari.

## **ILANI KWA MTUMIAJI**

Dawa hii ni sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu kutumia au kuhifadhi dawa hii katika hali isiyo salama.

**Kukiwa na jambo la dharura piga simu isiotozwa Nambari:** 00800 720021 / 00800 730030 (masaa 24)

## **DHAMANA**

Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo ni lazima yafuatwe kikamilifu. Mnunuzi lazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.