

# GY-BINDER 10EC-LEAFLET-20170706

## SIZE:278(W)X138(H)MM

PGYB14M010170706

¡STOP! READ THE LABEL BEFORE USING THE PRODUCT AND CONSULT A PROFESSIONAL IN AGRICULTURAL SCIENCES



### BINDER® 10 EC

INSECTICIDE, ACARICIDE  
PIRETHROID - BIFENTHRIN

#### SUBSTANCE GROUP:

Pyrethroid

#### FORMULATION:

Emulsion Concentrate(EC)

#### COMMON NAME(ISO):

Bifenthrin (100 g/liter)

#### NAME IUPAC:

2-methyl-3-phenylbenzyl (1RS)-  
cis-3-(2-chloro-3,3,3-  
trifluoroprop-1-enyl)-2,2-  
dimethylcyclopropanecarboxylate

#### CHEMICAL FORMULA:

$C_{23}H_{22}ClF_3O_2$

#### MOLECULAR MASS:

422.88

#### PHYSICAL AND CHEMICAL PROPERTIES:

Density: 1.26

Vapour pressure : 0.0178

Cte. De Henry:  $4.10 \times 10^{-02}$

Kow: logP = 6,6

Dissociation constant (pKa) at 25°C

:No dissociation

DISPLAY : 250 ml

#### FORMULATED BY:



JIANGSU ROTAM CHEMISTRY

CO. LTD., CHINA

TEL: 0512 - 5771 - 1988

FAX: 0512 - 5771 - 8697

#### DISTRIBUTED BY:



#### AGROIN

Lot 1 La Penitance Public Rd. GNSC

Complex, Georgetown, Guyana.

Tel # 592 665 2721 ; 592 231 4901

email: sales@agroingy.com

#### PRECAUTIONS AND INSTRUCTIONS OF USE:

DO NOT STORE IN HOMES, STORE  
AWAY FROM CHILDREN, MENTALLY ILL  
PERSONS DOMESTIC ANIMALS, FOOD  
AND MEDICINE

USE THE FOLLOWING PERSONAL  
PROTECTION EQUIPMENT TO HANDLE  
THE PRODUCT, DURING THE  
PREPARATION OF THE TANK MIX,  
LOADING AND APPLICATION, BOOTS,  
FACE MASK, GOGGLES AND GLOVES.

DON'T EAT, SMOKE OR DRINK DURING  
HANDLING AND APPLICATION OF THIS  
PRODUCT, TAKE A SHOWER AFTER  
WORK AND PUT ON CLEAN CLOTHES.

#### SYMPTOMS OF INTOXICATION:

It may cause irritation to skin and eyes. If  
ingested it may cause nausea, vomit,  
abdominal pain, diarrhea and other  
associated symptoms.

#### FIRST AID:

**INGESTION:** If the person is conscious  
induce vomit, if not avoid inducing vomit, if  
might provoke pulmonary aspiration and  
transfer the patient to the nearest doctor.

**INHALATION:** Move the affected person to  
a place with fresh air and maintain at rest  
until recovered. Put covers on the patient in  
case of hypothermia. In bad cases give  
artificial respiration.

**CONTACT WITH EYES:** Clean the eye with  
abundant water for 15 minutes. Consult a  
medical doctor in case of irritation.

**CONTACT WITH SKIN:** If there is contact  
with skin, clean with abundant water and  
soap, remove all contaminated clothing and  
clean skin with water and soap.

NEVER GIVE DRINK OR INDUCE  
VOMITING TO A PERSON THAT IS NOT  
CONSCIOUS

**MEDICAL TREATMENT:** Symptomatic and  
of support.

#### GUARANTEE NOTE

"The manufacturer and registrant  
guarantee the quality of the product in its  
original and sealed hermetic container. It  
also guarantees the efficacy of the product,  
if it is used as indicated in the pamphlet.  
Since the storage and handling is out of our  
control it is impossible to assume the  
responsibility of damage resulting from  
such factors. We also guarantee the  
chemical composition of the product as  
indicated in the label, when the bottle is  
originally sealed.

#### CONSULT WITH PROFESSIONAL IN AGRICULTURAL SCIENCES BEFORE PURCHASING AND USING THIS PRODUCT.

#### Mode of action:

Binder®, is a non-systemic insecticide which acts by  
contact, ingestion or inhalation. The product stays in  
the waxy layer of the surface of the plant leaves. It is  
absorbed through insects cuticle by spiracles.

#### Mechanism of action:

It works by affecting the central and peripheral  
nervous system. It disrupts the normal transmission  
of nerve impulses causing hyper excitation, resulting  
in paralysis and later death of insects.

#### APPLICATION EQUIPMENT:

Binder®, can be applied with manual or motorized  
equipment. As back sprayers or by tractor, using high  
volume, low volume or ULV nozzles. Make sure that  
the spraying equipment is in good condition.  
Calibrate with water before spraying. Do not apply  
through irrigation systems. Spraying equipment used  
for the application of Binder® requires cleaning  
according with the manufacturers of the equipment.  
This product does not have any specific  
recommendation in this aspect. To realize the  
application it is recommended to use cone spray tips,  
to give a good coverage of the foliage. Use the  
following personal protection equipment while  
handling, mixing, and using the product: rubber  
boots, mask, goggles, and gloves.

#### DIRECTIONS FOR USE

CROP	Species	Dose (L/Ha)
CORN	Spodoptera frugiperda	0.4
TOMATO	(Trip tabaci), Frankliniella	0.4
	Atta sexdens	
	Phyllophaga spp	
	Bemisia Tabaci	
CUCURBITS (MELON, WATERMELON, CUCUMBER)	Neoleucinodes elegantalis	0.4
	Bemisia tabaci	
	Diabrotica spp	
	Myzus persicae	
	Aphis gossypii	
	Drosophila melanogaster	
Liriomyza spp	0.4	
Tetranychis spp		
	Eurydema dominulus	

#### COMPATIBILITY

Binder® is selective in registered cultures when used  
under label recommendations. It is known that  
Bifenthrin is not compatible with alkaline materials. In  
case of mixing with products and / or  
applications in cultures in which their selectivity and /  
or blend compatibility is not known, We recommend  
under the responsibility of the user to perform a small  
scale test, before the commercial application.

#### RE-ENTRY INTERVAL TO AREA TREATED:

24 hours.

#### PROTECT THE ENVIRONMENT THROUGH GOOD AGRICULTURAL PRACTICES. COMPLY WITH RECOMENDATIONS GIVEN IN THIS PAMPHLET

DO NOT CONTAMINATE RIVERS, LAKES,  
PONDS OR GROUND WATER  
WITH THIS PRODUCT OR WITH CONTAINERS  
AND BOTTLES

#### COUNTRY: GUYANA

#### REGISTRATION NUMBER :

PTCCB/ROT/11/15/299

#### DATE OF REGISTRATION:

MAY 6 - 2015

#### LOT NUMBER:

#### DATE OF FORMULATION:

#### DATE OF EXPIRATION:

**MODERATELY HARMFULL**