



# Bigalo



**FUNGICIDE**

- ▶ BIGALO is a fungicide with protectant and systemic activity for use against certain diseases in Brussels sprout, cabbage, cauliflower, strawberry (outdoor and protected), carrot, lettuce (outdoor and protected), field bean, and blackcurrants
- ▶ A water dispersible granule containing: 26.7% w/w boscalid and 6.7 % w/w pyraclostrobin.

Distributor:

**Contents: 1 kg e**

Registration holder:  
 B-Instem Industriepark  
 Lichtenberglaan 2019  
 B-3800 Sint-Truiden • Belgium  
 Tel: +32 11 78 57 17 • Fax: +32 11 68 15 65  
 E-mail: globachem@globachem.com  
 Web: www.globachem.com



### DISUSE AND SAFETY INFORMATION

Harmful if swallowed.  
 Very toxic to aquatic life with long lasting effects.

Wash with plenty of water and soap thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 If swallowed: Call a poison center or doctor/physician if you feel unwell.  
 Rinse mouth.

Collect spillage.  
 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

**To avoid risks to human health and the environment, comply with the instructions for use.**

PCS no. 06250

### IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

CROPS	MAXIMUM SINGLE DOSE	MAXIMUM TOTAL DOSE	LATEST TIME OF APPLICATION
Brussels sprout, cabbage, cauliflower	1 kg/ha	3 kg/ha/crop	14 days before harvest
Carrot	1 kg/ha	2 kg/ha/crop	14 days before harvest
Bean (field)	1 kg/ha	2 kg/ha/crop	21 days before harvest
Strawberry (outdoor and protected)	1.8 kg/ha	3.6 kg/ha/year	3 days before harvest
Lettuce (outdoor and protected)	1.5 kg/ha	3 kg/ha/crop	14 days before harvest
Blackcurrant	1.5 kg/ha	4.5 kg/ha/year (3.0 kg pre harvest, 1.5 kg post harvest)	3 days before harvest, N/A for post harvest treatment

### Other specific restrictions:

A maximum total application of 6 kg Bigalo/ha/year must not be exceeded in the same area of land.  
 Applications to lettuce must only be made between 1 April and 31 October.

**READ THE LABEL BEFORE USE, USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

**FOR PROFESSIONAL USE ONLY**

For 24 hour emergency information contact Globachem n.v. Telephone: +32 11 78 57 17



**WARNING**

## SAFETY PRECAUTIONS

### OPERATOR PROTECTION

WEAR SUITABLE PROTECTIVE GLOVES when handling the product or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE

GLOVES when applying by hand held equipment.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS before meals and after work.

IF SWALLOWED, seek medical advice immediately and show this container or label.

### ENVIRONMENTAL PROTECTION

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

VERY TOXIC TO AQUATIC ORGANISMS, may cause long-term adverse effects in the aquatic environment. Do not contaminate surface waters or ditches with chemical or used container.

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/ Avoid contamination via drains from farmyards and roads).

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody. Aim spray away from water.

### STORAGE AND DISPOSAL

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

Store in a suitable pesticide store. Keep dry and protect from frost.

### DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

### RESTRICTIONS/WARNINGS

Applications to lettuce must only be made between 1 April and 31 October.

DO NOT APPLY MORE THAN 6 kg/ha of BIGALO to the same area of land per annum.

For professional use only.

### DISEASES CONTROLLED

BIGALO is a fungicide with protectant and systemic activity for the control of a range of diseases in Brussels sprout, cabbage, cauliflower, strawberry (outdoor and protected), carrot, lettuce (outdoor and protected), field beans and blackcurrants, as summarized below:

	Blackcurrant	Brussels sprout	Cabbage	Cauliflower	Strawberry*** (outdoor and protected)	Carrot	Lettuce (outdoor and protected)	Bean (field)
American gooseberry mildew <i>Sphaerotheca morsuvae</i>	MC*							
Blackcurrant leaf spot <i>Drapenopeziza ribis</i>	MC*							
Grey mould <i>Botrytis cinerea</i>	C*				C		C	
Bean rust <i>Uromyces fabae</i>								C
Chocolate spot <i>Botrytis</i> spp.								MC
White blister <i>Albugo candida</i>		C	C*					
Dark leaf spot <i>Alternaria</i> spp.			C	C				
Ringspot <i>Mycosphaerella brassicicola</i>		R	R	R				

	Blackcurrant	Brussels sprout	Cabbage	Cauliflower	Strawberry*** (outdoor and protected)	Carrot	Lettuce (outdoor and protected)	Bean (field)
Bottom rot <i>Rhizoctonia solani</i>							C**	
Watery soft rot <i>Sclerotinia</i> spp.							C**	
Powdery mildew <i>Erisiphe heraclei</i> <i>Sphaerotheca macularis</i>					C	C		
Alternaria leaf blight <i>Alternaria dauci</i>						MC		
Sclerotinia rot <i>Sclerotinia sclerotiorum</i>						MC		
Blackspot <i>Colletotrichum acutatum</i>					C			

C = Control

MC = Moderate control

R = Reduction

\* = 'Qualified minor use' based on limited data

\*\* = Lower and more variable levels of control may be seen on outdoor crops

\*\*\* = Reduced levels of control on protected strawberry are likely for the listed diseases

#### CROP SPECIFIC INFORMATION

##### Brassicas (Brussels sprout, cabbage, cauliflower)

###### Time of application

Apply BIGALO preventive or at first sign of disease. Repeat sprays at 3-4 week intervals depending on disease pressure. Three applications can be made but a minimum of 14 days must elapse between the last spray and harvest.

###### Rate of application

Apply 1 kg/ha of BIGALO in a minimum of 200 litres of water per hectare. In dense crops, increase the water volume up to a maximum of 1000 litres of water per hectare to achieve adequate penetration and good coverage of the crop.

##### Strawberries

###### Time of application

For optimum control of grey mould, apply BIGALO preventive from the beginning of bloom (white bud).

For the control of powdery mildew and Blackspot, apply BIGALO preventive before the appearance of disease symptoms.

Applications should be made in sequence with other products as part of a fungicide spray programme applied during flowering at 7-10 day intervals.

Two applications can be made but a minimum of 3 days must elapse between the last spray and harvest.

###### Rate of application

Apply 1.8 kg/ha of BIGALO in a water volume of 450-2000 litres of water per hectare, ensuring good coverage of the foliage and fruitlets.

###### Qualified minor use recommendation

BIGALO may be applied at 1.8 kg per hectare in 400 litres water per hectare although efficacy at this reduced volume has not been evaluated. Therefore application at 400 litres water per hectare is at user's risk with regard to biological efficacy.

##### Carrots

###### Time of application

Apply BIGALO preventive or at first sign of disease. Repeat sprays at 7-14 day intervals depending on disease pressure. Two applications can be made but a minimum of 14 days must elapse between the last spray and harvest.

###### Rate of application:

For control of powdery mildew and moderate control of Alternaria leaf blight, apply 0.75 kg/ha of BIGALO in a water volume of 200-900 litres of water per hectare, ensuring good coverage of the foliage.

For moderate control of Sclerotinia rot, increase dose rate to 1 kg/ha of BIGALO in a water volume of 200-900 litres of water per hectare, ensuring good coverage of the foliage.

## **Carrots**

### Time of application

Apply BIGALO preventive or at first sign of disease. Repeat sprays at 7-14 day intervals depending on disease pressure. Two applications can be made but a minimum of 14 days must elapse between the last spray and harvest.

### Rate of application:

For control of powdery mildew and moderate control of *Alternaria* leaf blight, apply 0.75 kg/ha of BIGALO in a water volume of 200-900 litres of water per hectare, ensuring good coverage of the foliage.

For moderate control of *Sclerotinia* rot, increase dose rate to 1 kg/ha of BIGALO in a water volume of 200-900 litres of water per hectare, ensuring good coverage of the foliage.

## **Lettuce**

### Time of application

Apply BIGALO preventive from 1-2 weeks after planting. Apply sprays at 10-14 day intervals depending on disease pressure. Two applications can be made but a minimum of 14 days must elapse between the last spray and harvest.

### Rate of application

Apply 1.5 kg/ha of BIGALO in a water volume of 200-900 litres of water per hectare, ensuring good coverage of the foliage.

## **Field beans**

### Time of application

Apply BIGALO preventive or at first sign of disease. For optimum control of bean rust and moderate control of chocolate spot, apply sprays from early flower and repeat at a 3-4 week interval, depending on disease pressure. Two applications can be made but a minimum of 21 days must elapse between the last spray and harvest.

### Rate of application

Apply 1 kg/ha of BIGALO in a minimum water volume of 200-300 litres per hectare, ensuring good coverage of the foliage.

## **Blackcurrants**

### Time of application

#### *Pre-harvest treatment*

For control of grey mould (*Botrytis cinerea*), apply BIGALO preventive from the start of flowering.

For moderate control of American gooseberry mildew and blackcurrant leaf spot, apply BIGALO preventive before the appearance of disease symptoms.

Applications should be made in sequence with other products as part of a disease control programme, in which case the interval between use of BIGALO and subsequent fungicide treatment should be between 10-14 days, depending on disease pressure. Two applications of BIGALO can be made but a minimum of 3 days must elapse between the application of BIGALO and harvest.

#### *Post-harvest-treatment*

BIGALO may be used as post-harvest treatment to help protect against American gooseberry mildew and blackcurrant leaf spot infections, thus reducing the possibility of infection-induced premature leaf drop and reduced bush vigour, which may adversely affect crop yield in the subsequent year. Apply BIGALO preventive after blackcurrants have been harvested and before leaf senescence.

### Rate of application

Apply 1.5 kg/ha of BIGALO in a water volume of 200-1000 litres per hectare, ensuring good coverage of the foliage and fruit.

## **RESISTANCE**

In order to minimise risk of resistance:

BIGALO contains the QoI fungicide, pyraclostrobin and the SDHI (carboxamide) fungicide, boscalid. BIGALO should be used in accordance with FRAC resistance management advice for QoI and carboxamide mixtures.

Avoid using consecutive applications of BIGALO. Apply BIGALO in alternation with fungicides from a different cross-resistance group with satisfactory efficacy against the targeted diseases.

In line with FRAC guidance, the number of BIGALO applications should be no more than half of the total number of fungicide applications per season. Use no more than a maximum of three applications of BIGALO per crop in brassicas; no more than three applications per year in blackcurrants and no more than two applications per crop in other crops.

## **MIXING AND SPRAYING**

Apply as a FINE or MEDIUM spray as defined by BCPC.

Half fill the spray tank with clean water and start agitation.

Slowly add in the required amount of product.

Rinse empty containers and add rinsings to the spray tank.

Add the remainder of the water and continue agitation until spraying is complete.

#### **COMPATABILITY**

Follow the manufacturer's recommendations for the application of tank mix products.

#### **CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

SPECIMEN -  
2019 to date

