

L1062790 ZAMB/05Y PPE 4121525

 **Bravo<sup>®</sup> 720SC**

**syngenta.**

**KEEP LOCKED UP OUT OF REACH OF CHILDREN.**

**HARMFUL IF SWALLOWED**

**Before opening the container, read the safety advice.**

**Shelf-Life:** At least 2 years from date of manufacturing,  
in original unopened containers stored in a cool dry well  
ventilated place.

**Emergency Call Number:**

Swiss Toxicological Information Centre,  
(24 h) +41 44 251 51 51

**Manufactured by:**

Syngenta Crop Protection AG, Basel, Switzerland

**Distributor: Syngenta Zambia Ltd.**

Plot 5255, Mukwa Road, P.O. Box 33088,  
Lusaka, Zambia, Tel.: +260 211 244 766



**5 Litres**

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



**DANGER**



### PRECAUTIONS:

- Handle with care, avoid splashing/contact; poisonous by swallowing, inhalation and contact with the skin.
- Do not eat, drink, or smoke while using this product.
- **KEEP OUT OF REACH OF CHILDREN.**
- The use of this product can cause skin rashes in some people.
- **DANGEROUS TO FISH.**

### FOR SAFETY WHEN MIXING:

- Wear eye / face protection, coveralls, gloves and boots for mixing.  
If you get it in your eyes or on your skin, wash it out at once. See First Aid.
- Undiluted Bravo® 720 SC can irritate your skin. If you get it on your skin, wash it off at once with plenty of water. If you spill it on your clothes, change and wash them immediately.
- After emptying container, rinse it three times adding washings to the spray tank.

### FOR SAFETY WHEN SPRAYING:

- As with all chemicals, **avoid contact with the spray** as much as you can.
- To avoid harming fish, do not spray over water.
- Dispose of unwanted spray solution by spraying off on waste ground.

### FOR SAFETY AFTER SPRAYING:

- Wear gloves, coveralls and boots for application. **Wash yourself.** Change and wash your work clothes.
- Empty container – destroy by crushing or cutting and place in secure disposal site. **DO NOT** use for any other purpose.
- Do not dump unwanted Bravo® 720 SC in water.
- Keep unused Bravo® 720 SC in original container, tightly closed **locked up out of reach of children** and away from food and foodstuffs.

### Empty containers disposal

- Empty carefully the container, rinse three times and add the rinse to the spray solution.
- Do not re-use empty containers for other purposes.
- Follow the local regulations.
- Inquire with the manufacturer or distributor about possibilities of collection or recycling.
- Puncture, cut or crush the containers so that they cannot be used again. Then bury or burn in a safe place, away from water supplies. Do not inhale fumes.

## **FIRST AID**

**Eye Splashes:** Hold eyelids apart and pour in a gentle stream of water for 10 to 15 minutes. Go to a doctor.

**Skin Contact:** Wash with plenty of water. Go to a doctor if skin is affected. If Bravo® 720 SC is swallowed, do not make the person vomit. Take the person, and this container, to a DOCTOR AT ONCE.

**NOTE TO PHYSICIAN:** If gastric lavage is performed, take care to prevent aspiration of gastric contents. Consider administration of activated charcoal and a laxative. Treat symptomatically. (There is no specific antidote.)

**SYMPTOMS OF POISONING:** This product causes irritation of the eyes. It can cause temporary allergic reaction, moderate bronchial irritation and reddening of the skin.

## **Environnement and fauna**

- Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
- DO NOT contaminate water used for irrigation or domestic purposes and water areas, such as ponds, ditches, lakes, drainage systems, etc. by disposal of product waste.
- Newly treated areas must not be grazed and all livestock is to be kept out.
- In case of spilling on a hard surfaces, cover with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). In the field, remove the contaminated layer. Then collect and place the contaminated material in a container for disposal according to local / national regulations, or bury in a safe place away from water supplies.

## **Composition (m/v)**

Chlorothalonil ..... 720 g / litre

Inert ingredients .. up to 1 litre

**Chemical group:** nitrile

**A non-systemic broad spectrum contact fungicide for the preventative control of fungal diseases on tobacco, coffee, groundnuts, potatoes, tomatoes, cucurbits, peppers, barley, beans, carrots, cruciferae (brassica) and Onions.**

## WARNINGS

### PRE HARVEST INTERVALS

Minimum number of days between last application and harvesting:

Tobacco seedlings: 7 days; Tomatoes, potatoes, peppers, cucurbits: 3 days; Groundnut hay: 42 days; Apples: 21 days; Coffee: 14 days.

**COMPATIBILITY:** Bravo® 720 SC is compatible with most insecticides and fungicides. As compatibility can be adversely affected by the quality of the water used in the mixture, the manufacturer recommends that a trial mixture be done using the water intended for spraying.

### DIRECTIONS FOR USE

**MIXING:** Half fill the spray tank with clean water. Shake the Bravo® 720 SC container well. Add the recommended volume of Bravo® 720 SC to the water while agitating. Top up tank with required volume of water.

**APPLICATION:** In all cases apply as a full cover preventative spray. Avoid run-off. Spray intervals: 7-21 days. Short intervals are for wet/ humid conditions. Long intervals can be followed under dry conditions. Repeat application if rain falls before the spray is dry on the leaves. Use suitable sprayers that are in good order and are properly calibrated.

### RATES (Tobacco)

Crop	Dis-ease	Method & Rate of Application	Volume of Application per 100 m <sup>2</sup>	Target Amount of Fungicide per 100 m <sup>2</sup>	Remarks
Tobacco seedbeds TRB Cert. No.: 12-15-B-11. Always consult TRB Handbook for detailed instructions.	Early blight	<b>High Volume Sprays:</b> 140 ml / 10 litres of water	Sprays 1 & 2: 2 litres Sprays 3 & 4: 4 litres Sprays 5 & 6: 6 litres	40 ml 80 ml 120 ml	Start spraying 4 weeks after emergence. Repeat every 7 days.
		<b>Ultra Low Volume Sprays:</b> 70 ml / litre of water	Sprays 1 & 2: 400 ml	40 ml	As above.
		140 ml / litre of water	Sprays 3 & 4: 400 ml Sprays 5 & 6: 600 ml	80 ml 120 ml	

## RATES (Other Crops)

Crop	Disease	Dosage	Remarks
Coffee	Coffee berry disease	2.2 litres/ha + 5.0 kg/ha Copper oxychloride 85 WP or 5.0 litres/ha Copper oxychloride 60 FW	Apply as tank mix in 1000 litres water/ha ensuring good coverage of the berries. First spray should be applied 4 weeks after main flowering and repeat after every 100 mm of rainfall or 2-3 weeks whichever comes first (total of 6-8 sprays). <b>DO NOT APPLY BRAVO® 720 SC ON ITS OWN FOR CBD CONTROL.</b>
Cucurbits	Downy mildew, late blight, powdery mildew and leaf spots	1.4 litres / ha	Apply in a sufficient volume of water to ensure thorough wetting of the upper and lower leaf surfaces. Commence spraying at first sign of disease and repeat at 7-10 days intervals depending on the weather.
Groundnuts	Leafspot disease Web blotch	1.4-1.7 litres / ha	<b>Ground Application</b> Apply a minimum of 300 litres spray mixture / ha. Start spraying when first disease symptoms are seen (6-10 weeks after planting) and apply 6-8 sprays at 7-14 days intervals. Use the shorter interval under wet, humid conditions.
		1.4-1.7 litres / ha	<b>Spinning Disc ULV</b> Apply 5 litres spray mixture (2 parts Bravo® 720 SC; 3 parts water) per ha. Application timing as above.

Crop	Disease	Dosage	Remarks
Potatoes	Downy mildew, late blight, powdery mildew and leaf spots	1.4 litres / ha	Commence spraying preventatively when plants come into flower or when blight threatens and repeat at 7-10 days intervals depending on the weather and after rain. Continue application until tubers are ready for lifting. Do not apply less than 1.4 litres / ha Bravo® 720 SC on mature plants – apply proportionately less on smaller plants.
Tomatoes	Downy mildew, late blight, powdery mildew and leaf spots	1.4 l/ha or 140 ml/100 litres water  280 ml/100 litres water	<b>High Volume Application</b> Approximately 1000 litres/ha spray mixture on mature plants. Do not apply less than 1.4 litres/ha Bravo® 720 SC on mature plants – apply proportionately less on smaller plants. Commence spraying when plants are 100 mm high or when blight threatens and repeat at 7-10 day intervals depending on weather and after rain.  <b>Low Volume Application</b> Approximately 500 litres spray mixture/ha on mature plants. Do not apply less than 1.4 litres Bravo® 720 SC on mature plants – apply proportionately less on smaller plants.
Pepper	Pepper early blight	1.4 l/ha	Spray preventatively. Apply at 10-14 days spray interval under low disease situations and 7-10 days in high disease pressure.

Crop	Disease	Dosage	Remarks
Barley	Barley leaf spotting ( <i>Ramularia collo-cygni</i> )	Ground application 1 - 2 l/ha	Apply as a preventative spray application. Apply up to two (2) spray applications when weather conditions favour disease development. First application at stem elongation (BBCH 31 - 32) and second application no later than booting stage (BBCH 41 - 49). BRAVO 720 should be used as part of a spray program, which should be followed throughout the season. PHI 28 days
Beans	Rust ( <i>Uromyces appendiculatus</i> )	<b>Ground or aerial application</b> DRYLAND CROP: 0.7 - 1.4 l/ha IRRIGATED CROP: 1.4 l/ha	Apply in a spray programme every 7 - 14 days as a preventive treatment or at the first sign of infection. DO NOT use less than 1,4 l BRAVO 720 per ha on irrigated beans. DO NOT make more than 2 applications with BRAVO 720 PHI 3 days
Carrots	Leaf blight ( <i>Alternaria dauci</i> )  Cercospora leaf spot ( <i>Cercospora carotae</i> )	<b>Ground application</b> 1.8 l/ha  1.3 - 1.8 l/ha	Commence application as soon as conditions favour disease development. Apply follow up applications at 7 - 14 day intervals. Do not apply more than 3 applications with BRAVO 720 during each growing season. PHI 7 days

Crop	Disease	Dosage	Remarks
Cruciferae (Brassica)	White Blister ( <i>Albugo candida</i> )	2 l/ha	Begin applications after transplants are set in field, or shortly after emergence of field-seeded crop or when conditions favour disease development.
	Alternaria leaf spot ( <i>Alternaria spp.</i> ) Downy mildew ( <i>Peronospora parasitica</i> )	1.3 l/ha	Apply as a full cover preventive spray every 7 days for white blister, 7 - 10 days for Alternaria and downy mildew and 14 days for ring spot control.
	Ring spot ( <i>Mycosphaerella brassicicola</i> )	1.8 - 3.5 l/ha	For ring spot control, use the higher rate if disease pressure is high. Do not make more than two (2) applications per growth cycle. PHI 14 DAYS



Crop	Disease	Dosage	Remarks
Onions (Green bunching & dry bulb, leek, shallot, garlic)	Botrytis leaf blight ( <i>Botrytis spp.</i> )	<b>Ground or aerial application</b> 1.3 - 2.6 l/ha	BRAVO 720 is recommended for use with disease monitoring systems which adjust fungicide rates and frequency of application according to disease hazard. Begin applications when weather conditions favour disease development and before disease develop. Use the high rate and a 7 day application interval when heavy dew or rain persist. For Botrytis leaf blight, downy mildew or purple blotch control, repeat applications at 7 day intervals for as long as conditions favour disease development, particularly during wet weather. For suppression of neck rot ( <i>Botrytis spp.</i> ) during storage, apply a minimum of three weekly applications prior to lifting. Do not apply more than 3 applications with BRAVO 720 during each growing season. PHI 14 Days
	Botrytis neck rot suppression ( <i>Botrytis spp.</i> )		
	Downy mildew ( <i>Peronospora destructor</i> )	2.3 l/ha	
	Purple blotch ( <i>Alternaria porri</i> )	1.8 - 2.3 l/ha	

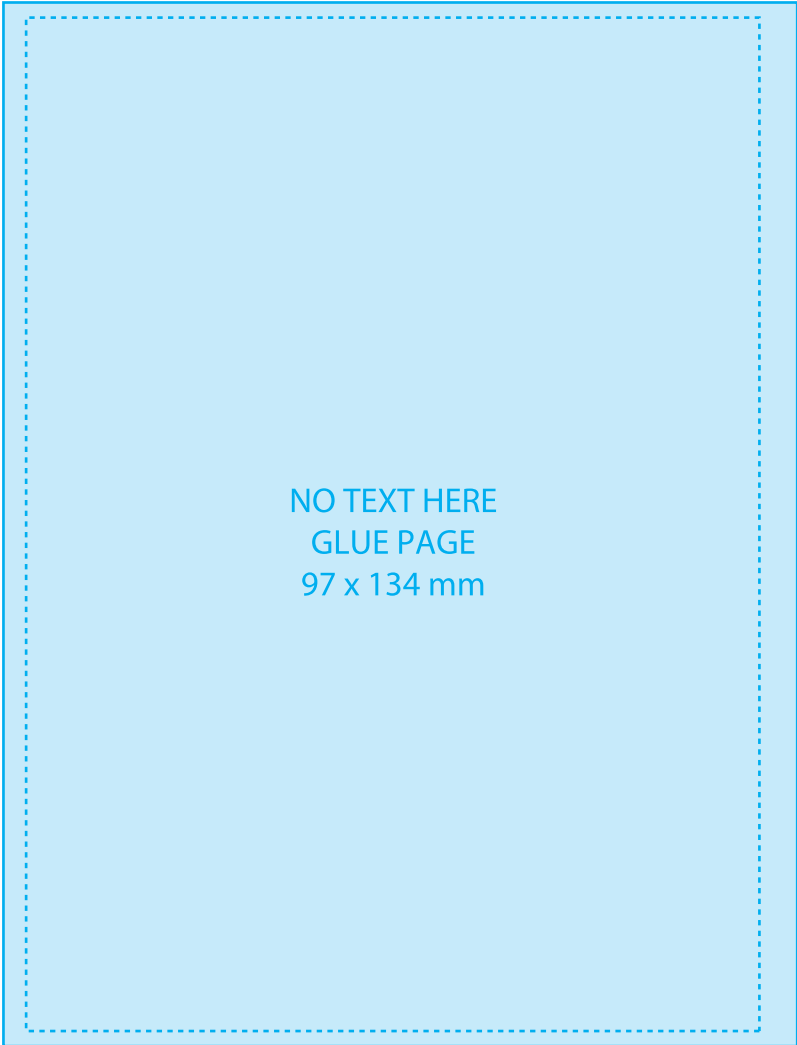
**User's risk**

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

Resistant strains of fungal diseases may develop or may exist against which fungicides may not be effective resulting in crop loss. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributors can accept responsibility for any loss or damage caused by failure of fungicides to control resistant strains.

All recommendations for use of the product are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the application, use, storage or processing of the product, the manufacturer cannot accept responsibility therefore.





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