

SHIFT

A water dispersible granule formulation containing 375 g/kg cyprodinil and 250 g/kg fludioxonil.
 A broad-spectrum fungicide to be used on fresh and dried peas, fresh and dried beans, protected and outdoor raspberry and blackberry, outdoor crops of blueberry, bilberry, cranberry, blackcurrant, redcurrant, white currant, gooseberry, protected and outdoor strawberry, apple, pear, quince, crab apple and outdoor and protected ornamental plant production and forestry nursery. MAPP 18881

A water dispersible granule formulation containing 37.5% w/w cyprodinil and 25% w/w fludioxonil.



WARNING

May cause an allergic skin reaction.
 Very toxic to aquatic life with long lasting effects.



Keep out of reach of children.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection. **IF ON SKIN:**
 Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Collect spillage.
 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean 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.

This product is approved under the Plant Protection Regulations (EC) No 1107/2009

IMPORTANT INFORMATION : FOR PROFESSIONAL USE ONLY AS A FUNGICIDE			
Crops	Maximum individual dose (kg product/ha)	Maximum number of treatments	Latest time of application (days before harvest)
Peas (vining and edible podded)	1	2 per crop	14
Beans (not harvested dry) (runner bean, broad bean, dwarf French bean)	1	2 per crop	14
Beans (harvested dry) (broad bean, dwarf French bean) and combining pea (harvested dry)	1	2 per crop	28
Raspberry, blackberry (outdoor and protected)	1	3 per year	14
Blueberry, bilberry, cranberry, redcurrant, blackcurrant, white currant and gooseberry (outdoor crops)	1	3 per year	10
Strawberry (outdoor and protected)	1	2 per crop	3
Apple, crab apple, pear, quince	0.8	3 per year	3
Ornamental plant production and forestry nursery (outdoor)	1	3 per year	-
Ornamental plant production and forestry nursery (protected)	0.8	3 per year	-
Other specific restrictions: To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.			
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.			

SAFETY PRECAUTIONS

Operator protection Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making broadcast air-assisted applications. Other engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.
 WEAR SUITABLE PROTECTIVE GLOVES when handling the product or contaminated surfaces.
 WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand-held equipment.
 However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental protection

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.



To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing waterbody, unless a LERAP permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application.

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

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 30m^(note 1) or 10m (note 2) of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water. note 1 - for applications to apple, crab apple, pear and quince

note 2 - for applications to blackberry, blackcurrant, blueberry, bilberry, cranberry, gooseberry, raspberry, redcurrant, white currant, ornamental plant production and forest nursery.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. Before each spraying operation from a horizontal boom sprayer either a LERAP must be carried out in accordance with the 'Local Environmental Risk Assessment for Pesticides Horizontal Boom Sprayers' booklet available from HSE Chemicals Regulation Directorate's website or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Storage and disposal

KEEP IN ORIGINAL CONTAINER tightly closed, in a cool, dry, safe place.

RINSE CONTAINER THOROUGHLY, by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer tank at the time of filling and dispose of the container safely. DISPOSE OF THE PRODUCT AND ITS CONTAINER in a safe way.

Approval Holder Finchimica S.p.A, via Lazio, 13, 25025 Manerbio (BS), Italy Marketing company in UK Clayton Plant Protection (UK) Ltd. Unit F10, Bracetown Business Park Clonee, Co. Meath. Ireland Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com	STORE IN A COOL DRY PLACE Contents : 0.5 - 1.0Kg e Batch no:
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Conditions of Supply: all goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and 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, and no responsibility will be accepted by us or resellers 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.

SHIFT is a trademark of Finchimica S.p.A., Italy.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

SHIFT contains cyprodinil and fludioxonil. Best results are obtained if SHIFT is used as a protectant or at the first stages of fungi disease development.

RESTRICTIONS

All crops: CONSULT PROCESSORS BEFORE USING ON CROPS GROWN FOR PROCESSING.

RESISTANCE MANAGEMENT

In order to ensure a high level of protection and to reduce the risk of the development of less sensitive strains to the product, SHIFT should be used in alternation with fungicides with different modes of action which also show good efficacy to the target

organism. SHIFT contains cyprodinil, an anilinopyrimidine (AP) chemical. Application should be made according to the FRAC anilinopyrimidine (AP) working group *Botrytis* guidelines:

Where up to 3 applications are made per season, the number of AP products should be limited to 1.

In situations where four to six *Botrytis* treatments are required per crop and season, a maximum of two applications with AP-containing products are recommended.

In specific situations where 7 or more *Botrytis* treatments are required per crop and season, a maximum of three applications with AP-containing products is recommended and not more than two consecutive applications

DISEASES CONTROLLED

CROP	Disease controlled
Peas (fresh and dried)	Leaf blight (<i>Mycosphaerella pinodes</i>) [Useful control] Leaf and Pod Spot (<i>Ascochyta pisi</i>) [Useful control] Grey mold (<i>Botrytis</i>) [Moderate control] Sclerotinia (<i>Sclerotinia sclerotiorum</i>)
Beans (fresh and dried)	White mold (<i>Sclerotinia sclerotiorum</i>) Grey mould (<i>Botrytis</i>) [Moderate control]
Blackberry, Raspberry (outdoor and protected)	<i>Botrytis</i>
Blackcurrant, redcurrant, white currant, gooseberry, blueberry, bilberry, cranberry (outdoor)	¹ <i>Botrytis</i>
Strawberry	Grey mold (<i>Botrytis</i>) ² Black spot (<i>Colletotrichum acutatum</i>)
Apples, crab apples, quince, pears (Applied in a pre-harvest programme a reduction in the diseases may be achieved)	<i>Botrytis cinerea</i> (<i>Botryotinia fuckeliana</i>), <i>Monilinia spp.</i> , <i>Nectria spp.</i> , <i>Penicillium spp.</i> , <i>Colletotrichum spp.</i> , <i>Fusarium spp.</i> , <i>Gloeosporium spp.</i> , <i>Alternaria spp.</i> , <i>Venturia spp.</i>
Pears	Brown spot (<i>Stemphylium versicarium</i>) [Moderate control]
Ornamental plant production and forest nursery	<i>Botrytis</i>

CROP SPECIFIC INFORMATION

The best results are achieved when SHIFT is applied in the earliest stage of disease development or as a protective treatment following a disease risk assessment or the use of appropriate support systems.

Crop	Rate of Use (kg product/ha) and maximum number of applications	Minimum application volume	Timing and warnings
Fresh Peas (vining, edible podded), dried peas (combining including marrowfat)	1.0 Maximum of 2 applications per crop	200 L of water/ha	Ensure peas are free from any stress before treatment. If necessary, check wax with a crystal violet test. The most effective application is at the first signs of disease, from early flowering onwards. A second treatment may be required in cases of high disease pressure, a minimum of 10 days must elapse between treatments
Fresh Beans (dwarf French, green, runner, broad)	1.0 Maximum of 2 applications per crop	200 L of water/ha	The most effective application is at the first signs of disease, from early flowering onwards. If disease pressure remains high a second application may be necessary, allow at least 10 days between applications.
Dried Beans (dwarf French, navy [phaseolus], kidney, haricot, broad)	1.0 Maximum of 2 applications per crop	400 L of water/ha	The most effective application is at the first signs of disease, from early flowering onwards. If disease pressure remains high a second application may be necessary, allow at least 10 days between applications.

¹ QUALIFIED MINOR USE RECOMMENDATION. The evidence of effectiveness against *Botrytis* is limited.

² QUALIFIED MINOR USE RECOMMENDATION. The evidence of effectiveness against black spot is limited.

Blackberry, Raspberry (outdoor and protected)	1.0 Maximum of 3 application/ year	800 L of water/ha	Apply as a protectant from the beginning of blossom (white bud). When disease pressure remains high a further two treatments may be required, a minimum of 10 days must elapse between treatments.
Blackcurrant, redcurrant, white currant, gooseberry, blueberry, bilberry, cranberry (outdoor)	1.0 Max 3 applications/ year	800 L of water/ha	Apply as a protectant from late grape stage of currants and first open flower for gooseberries and other berries. Two further applications may be necessary if disease pressure remains high. A minimum of 10 days must elapse between the first and second treatments and 28 days between the second and third treatments
Apples, crab apples, quince, pears	0.8 Maximum of 3 applications per year	400 L of water/ha	Apply as a protectant from the end of flowering. Two further treatments may be necessary if disease pressure remains high, which can be made up to 3 days before harvest. A minimum of 7 days must elapse between treatments. Warning: Russetting may be increased if SHIFT is used on Bramley apple. For control of Stemphylium in pears three treatments should be made soon after fruit set in late May and early June.
Strawberry (outdoor and protected)	1.0 Maximum of 2 applications per crop	Protected:600 L of water/ha Outdoor: 500L of water/ha	Apply as a protectant from the beginning of blossom (white bud). A second treatment may be required in cases of high disease pressure, a minimum of 10 days must elapse between treatments. These treatments should form part of a treatment programme in sequence with other products as part of a fungicide programme during the flowering period.
Ornamental plant production and forest nursery (outdoor and protected)	Outdoor: 1.0 Protected: 0.8 Maximum number of applications per year 3	Apply at a maximum concentration of 80g product per 100L of water	Apply as a protectant, two further treatments may be necessary to control disease. A minimum of 7 days should elapse between treatments. WARNINGS: Cultivar susceptibility to SHIFT should be tested by treating a small number of plants in the first instance. It is advised to limit the number of treatments to Anemone, Begonia and Kalanchoe to two with an interval of 10 days between treatments. For Saintpaulia use only a single application. It is recommended that SHIFT is not applied to <i>Exacum affine</i> and <i>Impatiens spp.</i>

MIXING AND SPRAYING

Ensure that the sprayer is clean and correctly calibrated. Apply at the water volumes appropriate for the crop as detailed in the Crop Specific Information section of this label, using a medium quality spray (as defined by BCPC guidelines) to guarantee a good coverage at a pressure of at least 2 bar.

Half-fill the spray tank with clean water and start agitation. Add the recommended amount of SHIFT to the sprayer using a filling device, or otherwise by directly adding the product to the spray tank. Wash out empty containers and add the washings to the spray tank and complete filling. Continue agitation during spraying. Do not leave the spray liquid in the sprayer for prolonged periods (i.e. overnight or meal breaks). Only prepare the quantity of spray that is required.

AFTER SPRAYING

Thoroughly wash out sprayer according to manufacturer’s guidelines and dispose of washings and clean containers according to DEFRA Code of Practice and local water authority guidelines.

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