CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Switch®
Fungicide

syngenta®

ACTIVE CONSTITUENTS: **375 g/kg CYPRODINIL**
250 g/kg FLUDIOXONIL

GROUP	9	12	FUNGICIDE

For the control of various fungal diseases in Cucumber, Grapes, Green Beans, Green Peas, Leafy Vegetables, Lettuce, Onions and Strawberries.

1, 5 kg NET

Syngenta Australia Pty Ltd
Level 1, 2-4 Lyonpark Road, Macquarie Park, NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111

APVMA Approval No: 51797/63130
Item No.

™

DIRECTIONS FOR USE
Restraints: DO NOT apply by aircraft
DO NOT apply by equipment carried on the back of the user

Spray Drift Restraints
Except when applying with orchard airblast equipment, **DO NOT** apply with spray droplets smaller than a **MEDIUM** spray droplet size category according to nozzle manufacturer specifications that refer to ASAE S572 Standard or the BCPC Guideline.
DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.
DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: **1.** date with start and finish times of application; **2.** location address and paddock/s sprayed; **3.** full name of this product; **4.** amount of product used per hectare and number of hectares applied to; **5.** crop/situation and weed/pest; **6.** wind speed and direction during application; **7.** air temperature and humidity; **8.** nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; **9.** name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used).

Mandatory No-Spray Zones
DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within **30 metres** downwind from the application area.

Crop	Pest	Rate	Critical Comments
Cucumber	Grey Mould *Botrytis cinerea*	800 g to 1 kg/ha	Apply SWITCH prior to or at the onset of disease. Repeat applications at 7 to 10 day intervals if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 3 applications of SWITCH per crop.
Grapes (except grapes grown for dried fruit production)	Grey Mould (Bunch Rot) *Botrytis cinerea*	Dilute Spraying 80 g/100 L Concentrate Spraying 800 g/ha	DO NOT apply more than 2 applications of SWITCH per season. Applications can be made at 5% capfall, 80% capfall, pre-bunch closure or veraison. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. DO NOT use at rates greater than 200 g/100 L of water. **This use is subject to a CropLife fungicide resistance management strategy** (see Resistance Management).
Green beans	Grey Mould (*Botrytis* cinerea) Sclerotinia (*Sclerotinia minor* and *Sclerotinia sclerotiorium*)	800 g to 1 kg/ha	Apply SWITCH prior to or at the onset of disease. Apply a second application 7 to 10 days later if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 2 consecutive applications of SWITCH, with no more than 3 applications of SWITCH per crop
Green peas Including Garden peas, Snow peas and Sugar Snap peas	Grey Mould *Botrytis cinerea* Sclerotinia (*Sclerotinia minor* and *Sclerotinia sclerotiorium*)	800 g to 1 kg/ha	Apply SWITCH prior to or at the onset of disease. Apply a second application 7 to 10 days later if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 2 applications of SWITCH per crop.

Crop	Pest	Rate	Critical Comments
Leafy Vegetables (including spinach, silver beet, kale, endive, mustard, cress, chard, rocket, Asian leafy greens and Chinese cabbage)	Sclerotinia *Sclerotinia minor* and *Sclerotinia sclerotiorium*	800 g to 1 kg/ha	Apply SWITCH prior to or at the onset of disease. Apply a second application 7 to 14 days later if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 2 applications of SWITCH per crop.
Lettuce	Sclerotinia Rot (Lettuce Drop) *Sclerotinia minor* and *Sclerotinia sclerotiorium*	800 g to 1 kg/ha	Apply SWITCH prior to or at the onset of disease. Best results are achieved using a preventative control program, with the first spray commencing soon after transplanting on a 7 to 14 spray interval. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 2 applications of SWITCH per crop.
	Grey Mould (Botrytis Rot) *Botrytis cinerea*		Apply SWITCH prior to or at the onset of disease. Best results are achieved using a preventative control program, with the first spray commencing soon after transplanting on a 7 to 14 spray interval. Use a 7 day spray interval and high rate under high disease pressure or where conditions are conducive for disease development. DO NOT apply more than 2 applications of SWITCH per crop.
Onions	Neck rot *Botrytis alli*	800 g/ha to 1 kg/ha plus a registered rate of non-ionic surfactant	Apply SWITCH at key timings for botrytis control prior to or at the onset of disease. Apply a second application 7 to 14 days after the initial application if conditions continue to remain favourable for disease development. Use a 7 day spray interval and high rate under high disease pressure or where conditions are favourable for disease development. Apply in sufficient water to ensure thorough and uniform coverage. Applications MUST be made with the addition of a non-ionic surfactant. DO NOT apply more than 2 applications of SWITCH per crop.
	Suppression: Black mould *Aspergillus niger*		
Strawberries	Crown and Petiole Rots *Colletotrichum gloeosporioides*	80 g/100L water	Apply SWITCH prior to or at the onset of disease. Repeat applications at 7 to 14 day intervals. Use the shorter interval when conditions favour disease development (wet and cloudy conditions). The rate suggested is for high volume dilute spraying to the point of “run-off”. For concentrate spraying, adjust dilution rate accordingly. DO NOT exceed 800g/ha. Apply in sufficient water to ensure thorough and uniform coverage of foliage and plant crowns. DO NOT apply more than 3 applications of SWITCH per crop.

Crop	Pest	Rate	Critical Comments
	Grey Mould *Botrytis cinerea*		Commence a program of protectant fungicides during flowering (blossom) when conditions favour disease. Repeat applications of SWITCH on a 7 to 10 day interval. Use the shorter interval when conditions favour disease development. The rate suggested is for high volume spraying to the point of "run-off". For concentrate spraying, adjust dilution rate accordingly. Apply in sufficient water to ensure thorough and uniform coverage of foliage and fruit. Reduce background levels of disease by removing infected plant debris and rotten fruit. **This use is subject to a CropLife fungicide resistance management strategy**. DO NOT apply more than 3 applications of SWITCH per crop (see Resistance Management).

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIODS
HARVEST
Strawberries, Cucumbers: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION
Green Beans, Lettuce, Leafy Vegetables, Onions: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
Green Peas: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION
Grapes:DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

GRAZING
Green Beans, Green Peas: DO NOT FEED GREEN BEAN OR GREEN PEA FORAGE OR FODDER TO LACTATING DAIRY ANIMALS PRODUCING MILK FOR HUMAN CONSUMPTION

GENERAL INSTRUCTIONS

SWITCH is a water dispersible granule prepack mixture of cyprodinil and fludioxonil. Cyprodinil is systemic compound that is taken up into the cuticle and waxy layers of leaves and fruit. From there it is distributed and penetrates into other parts of the plant. Fludioxonil is the residual component of the mixture and stays mainly on the leaf and fruit surfaces.

Application
Ground Application Only: Ensure thorough coverage of foliage and fruit (or bunches) using equipment delivering a MEDIUM spray quality. Ensure that the correct amount of SWITCH is applied per hectare irrespective of water application rate per hectare.

Dilute Spraying
Use a sprayer designed to apply high volumes of water up to the point of runoff and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of runoff. Avoid excessive runoff. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Direction for Use table for each 100 L of water. Spray to the point of runoff. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying
Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of runoff) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see Dilute Spraying) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:
Example Only
1. Dilute spray volume as determined above: for example 1000 L/ha
2. Your chosen concentrate spray volume: for example 400 L/ha
3. The concentration factor in this example is: 2.5 X (ie 1000 L ÷ 400 L = 2.5)
4. If the dilute label rate is 80 g/100 L, then the concentrate rate becomes 2.5 x 80, that is 200 g/100 L of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Mixing
SWITCH is a water dispersible granule (WG) fungicide that mixes readily with water. Partly fill the spray tank with water. Start the agitation and add the correct amount of product to the spray tank with the agitation system running. Continue agitation while topping up the spray tank with water. Add a non-ionic surfactant at registered rates (where required) at the completion of filling of the spray tank.
Continue agitation while spraying.
Tank Mixing: When mixing SWITCH and other water dispersible granule (WG) or wettable powder (WP) formulations, ensure they are added and mixed well prior to adding emulsifiable concentrate (EC) or suspension concentrate (SC) products. Wettable powder (WP) formulations should be pre-mixed separately and then added to the spray tank.

Compatibility
SWITCH is compatible with Bugmaster* Flowable, Delfin* WG, Dithane*, Gusathion*, Kelthane*, Kocide*, Lorsban* 500 W, Polyram DF, RIDOMIL® GOLD PLUS, Sanmite*, SUPRACIDE®, THIOVIT JET®, and TOPAS®. Mixtures with more than one of the above are not recommended. As formulations of other manufacturer's products are beyond the control of Syngenta, all mixtures should be tested prior to mixing commercial quantities. SWITCH may not be compatible with Bravo®.

Fungicide Resistance Warning | **GROUP** | **9** | **12** | **FUNGICIDE**

SWITCH Fungicide is a combination of an anilinopyrimidine and a phenylpyrrole fungicide. For fungicide resistance management, SWITCH is both a Group 9 and a Group 12 fungicide. Some naturally occurring individual fungi resistant to SWITCH and other Group 9 and Group 12 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product or other Group 9 and Group 12 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Resistance Management
In order to minimise the likelihood of the development of fungicide resistance, it is recommended that SWITCH be used in a program incorporating all available forms of crop protection. SWITCH should be applied as part of a protective spray program using fungicides from different mode of action group/s. Alternating or mixing fungicides with different modes of actions is a recognised disease resistance management strategy. DO NOT wait until disease levels have built up before commencing applications as this reduces the effectiveness of control and increases the risk of resistance development. Disease control may be reduced if strains of pathogens less sensitive to SWITCH Fungicide develop.
SWITCH Fungicide should be applied as specified in the Directions For Use in association with the following CropLife Fungicide Resistance Management Strategies:
Grapes: If 3 or fewer bunch rot sprays are applied in a season, use only 1 spray containing a **Group 9** fungicide. If 4 or more bunch rot sprays are applied in a season, use a maximum of 2 sprays containing a **Group 9** fungicide.
Cucumbers and Strawberries: If 3 or fewer Botrytis fungicide sprays are applied per crop, use only 1 spray containing a **Group 9** fungicide. If 4 to 6 sprays are applied per crop use a maximum of 2 sprays containing a **Group 9** fungicide. If 7 or more sprays are applied per crop use a maximum of 3 sprays containing a **Group 9** fungicide.
Note: In the absence of an established resistance management strategy for a particular crop/disease situation, it is recommended that:

- The use of fungicides from any given activity group (excluding Group M) be limited to a maximum of 1/3 of the total number of fungicide applications per crop.
- A maximum of 2 consecutive applications of SWITCH are to be applied, including from one season/crop to the next.

Export Wine
Where this product will be used on grapes that will be used to produce wine destined for export markets, seek advice from the Australian Wine Research Institute or Syngenta to ensure the wine will meet the requirements of the intended importing country.

PRECAUTION
Re-entry Period:
Do not enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

INTEGRATED PEST MANAGEMENT
Based on the available information it cannot be ruled out that SWTICH may have an adverse effect on beneficial invertebrates where integrated pest management is practiced.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers. **DO NOT** apply if heavy rains are imminent. **DO NOT** apply under weather conditions, or from spraying equipment, that may cause spray to drift onto adjacent areas, particularly wetlands, water bodies, or watercourses.

STORAGE AND DISPOSAL
Store in the closed, original container in a cool, dry, well ventilated area, out of direct sunlight.

[1 and 5 kg hermetically sealed bag]
Single rinse liner before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots., in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

[1 and 5 kg HDPE container]
Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations.. DO NOT burn empty containers or product.

SAFETY DIRECTIONS
DO NOT apply by equipment carried on the back of the user
Harmful if inhaled or swallowed. May irritate the nose and throat. Will irritate the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes. DO NOT inhale dust or spray mist. When opening the container and preparing spray, and using the prepared spray wear:
- **cotton overalls buttoned to the neck and wrist (or equivalent clothing)**
- **elbow length chemical resistant gloves**
- **face shield or goggles**

If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID
If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.

MATERIAL SAFETY DATA SHEET
If additional hazard information is required, refer to the Material Safety Data Sheet.
For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

May cause damage to organs (liver and kidney) through prolonged or repeated exposure (oral) May cause an allergic skin reaction

DISCLAIMER
This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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Batch Number	
Date of Manufacture	