

2023-3118
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GROUP 12 FUNGICIDE

SYLLIT® 400 FL

FUNGICIDE SOLUTION

For control of scab on apples (*Venturia inaequalis*) and pears (*Venturia pyrina*) and for the control of peach leaf curl on peaches and nectarines and cherry leaf spot on sweet and sour cherries.

AGRICULTURAL



CAUTION – POISON

DANGER – CORROSIVE TO EYES, DANGER – SKIN IRRITANT

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT : Dodine 402 g/L
Contains 1,2-benzisothiazolin-3-one at 0.015% as a preservative

REGISTRATION NO. 28351 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L, 4 L, 5 L, 10 L, 20 L, 100 L, 1000 L, Bulk

Arysta LifeScience Benelux
Rue de Renory, 26/1
OUGRÉE, 4102
Belgium

Canadian representative:
Arysta LifeScience Canada Inc. 400 Michener Road, Unit 2, Guelph
N1K 1E4 ON Canada

FOR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure, or accident)
CALL CHEMTREC: 1-800 424-9300.

SYLLIT 400 FL is an effective fungicide for the control of scab on apples (*Venturia inaequalis*) and pears (*Venturia pirina*).

SYLLIT 400 FL has both protectant and eradicant properties, and has some local systemic activity. Excellent redistribution to new growth, if rain occurs after spray application, provides added protection.

DIRECTIONS FOR USE

Apples and Pears:

DO NOT apply more than 10.2 kg a.i./ha/year.

DO NOT apply more than 2 applications per year at a rate of 2.2 kg a.i./ha/application.

DO NOT apply more than 4 applications per year at a rate of 1.46 kg a.i./ha/application.

DO NOT apply less than 7 days from the last application. DO NOT apply within 7 days of harvest.

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Arysta LifeScience Benelux . under the User Requested Minor Use Label Expansion program. For these uses, Arysta LifeScience Benelux has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

DIRECTIONS FOR USE:

Pest(s)	Peaches and nectarines: peach leaf curl (<i>Taphrina deformans</i>) Cherries (sweet and sour): cherry leaf spot (<i>Blumeriella jaapii</i>)
Site (Crop)	Peaches and nectarines Cherries (sweet and sour)
Method of Application	Foliar, broadcast application, use foliar, airblast spray equipment
Rate of Application and Spray Volume (include adjuvant rate, if being proposed)	Peaches and nectarines: 1.8-3.5 L/ha in 1000 L water/ha Cherries (sweet and sour): 2.0 L/ha in 1000 L water/ha
Number of Applications	Peaches and nectarines: 2 Cherries (sweet and sour): Maximum of 4
Application Interval	Do not apply less than 7 days from the last application
Application Timing	If leaf curl was moderate to severe the previous season, apply one month before buds swell in spring and again just prior to bud swelling, otherwise apply one application just prior to bud swelling. <u>Use the higher rate under high disease pressure.</u> For cherry leaf spot, apply at petal fall or when leaves 1 st unfold, repeat if necessary. Post-harvest applications <u>in the field</u> are permitted to help prevent leaf spot defoliation also.
Pre-Harvest Interval	60 days (peaches/nectarines); 7 days (cherries)

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include but are not limited to the following: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted or fine-textured, such as clay).

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

Airblast application:

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Buffer zones:

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer, or spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Airblast	Apple and Pear	Early growth stage	65	55	25	15	2
		Late growth stage	55	45	15	10	1
	Cherry, peach, nectarine	Early growth stage	55	45	15	5	1
		Late growth stage	45	35	5	3	1

When tank mixes are permitted, consult the labels of the tank mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

DO NOT APPLY BY AIR.

MIXING: SYLLIT 400 FL should be added directly to the spray tank half filled with water. Keep agitator running during filling and spraying.

SPRAY VOLUME: Note that rates of application are given in litres per hectare. The spray volume per hectare is dependent on the applicator's equipment.

APPLICATION:

COMPATIBILITY

When there is a question of compatibility, use the jar compatibility test prior to tank mixing to determine if any flocculation, precipitation or un-usual settling occurs. If so, then do not proceed with tank mixing SYLLIT 400 FL with the product(s). SUPPLEMENTS
This product can be tank mixed with Ohm or Wave as post emergent applications for only crops registered on both this product label and those listed on Ohm or Wave labels.

Arysta LifeScience Benelux has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tankmixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

Apples – Scab (*Venturia inaequalis*): Apply SYLLIT 400 FL at the rate of 1.75 - 3.65 L/ha from green tip through to bloom. Apply at 7 day intervals or as needed to maintain scab control. Use the high rate for high disease pressure and the low rate for low disease pressure.

Use 3.65 L/ha from petal fall through to first cover spray. After this stage, scab protection can be maintained with spray applications of fungicides as recommended in provincial spray calendars.

“AFTER INFECTION” APPLICATIONS: After an infection period has occurred, use 5.28 L/ha of SYLLIT 400 FL, following a rain, from silver tip through to calyx stage and in later cover sprays as needed. While timing of the spray may vary considerably depending on temperatures, it is recommended that application be made within 36 hours from the beginning of the rain or wet period that caused the infection. Do not apply within 7 days of harvest. Do not feed pomace of treated apples to livestock.

TANKMIXES - APPLES:

Use SYLLIT 400 FL at 1.75 – 3.65 L/ha with 2.25 kg. a.i. captan/ha (2.80kg/ha of Maestro 80 WSP) or use SYLLITT 400 FL at 1.75 – 3.65 L/ha with 2.52 kg. a.i.

mancozeb/ha (3.36kg/ha of , Manzate Pro- Stick or Penncozeb 75 DF) from green tip to bloom. Follow the most restrictive directions on the tank-mix partner labels.

Pears – Scab (*Venturia pirina*): Use 5.28 L/ha of SYLLIT 400 FL at 7 day intervals or as needed to maintain scab control from pre-bloom through first cover. Use 3.65 L/ha in subsequent cover sprays as needed. Do not apply within 7 days of harvest. Note: In areas where SYLLIT 400 FL does not control pear scab, use an alternate fungicide recommended for scab control.

TANKMIXES - PEARS:

Use SYLLIT 400 FL at 1.75 – 3.65 L/ha with 2.25 kg. a.i. captan/ha (2.80kg/ha Maestro 80 WSP or) from pre-bloom, through first cover. Follow the most restrictive directions on the tankmix partner labels.

NOTE: For use on apples and pears, consult local agricultural authorities for proper timing of sprays.

In areas where SYLLIT 400 FL does not control apple or pear scab, use alternate fungicides recommended for scab control.

CAUTION: Do not feed crop refuse to livestock. Do not graze cover crops in treated orchards.

FRUIT SAFETY: Fruit colour and finish on most apple varieties sprayed with SYLLIT 400 FL at recommended dosage has frequently been outstanding. Freezing, or near freezing temperatures, particularly when accompanied by slow drying conditions may injure or pre-dispose the fruit to chemical injury. Do not apply SYLLIT 400 FL immediately before, during or immediately after occurrence of such conditions.

COMPATIBILITY: SYLLIT 400 FL is not compatible with lime. Consult each label for compatibility prior to use with other products in a tank mix.

SYLLIT 400 FL FUNGICIDE WITH OIL INSECTICIDES: Tank-mix combinations of SYLLIT 400 FL and Superior 70 Oil, and Bartlett Superior 70 Oil Emulsifiable Insecticide can be used effectively as a delayed dormant application on apples.

PROCEDURE FOR TANKMIXING SYLLIT 400 FL WITH THE LISTED OIL INSECTICIDES:

Maintain continuous agitation from the time SYLLIT 400 FL is added to the spray tank until mixture is sprayed out:

1. SYLLIT 400 FL should be added to the tank when one-quarter to one-half full with water and allowed to mix thoroughly.
2. If insecticide is used, add as tank is filling.
3. Add oil last when tank is nearly three-quarters full.

DILUTE AND CONCENTRATE SPRAY: SYLLIT 400 FL may be used effectively in dilute or concentrate sprays when applied properly. However, concentrates higher than 5X are not suggested. Fruit and foliage should not be excessively drenched with dilute sprays. Avoid heavy deposits when using concentrate sprays.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Airblast or mist blower application: DO NOT spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer ends. Do not apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Do not apply by air. Store in cool, dry, ventilated place, away from feeds and foods. Keep away from heat, fire and sparks. CORROSIVE to the eye; DO NOT get in eyes. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin or clothing. Severely irritating to the skin; DO NOT get on skin. Wear protective eyewear (goggles, face shield, or safety glasses) when handling. Wash thoroughly after handling and before eating, drinking or smoking. Wash contaminated clothing with soap and hot water before reuse. Avoid inhaling/breathing dust or spray mist. Do not contaminate food or feed.

All handlers must wear a long-sleeved shirt and long pants. In addition, wear chemical-resistant gloves made of waterproof material, socks, shoes, protective eye wear, chemical-resistant headgear for overhead exposure and a chemical -resistant apron during mixing/loading activities. Chemical-resistant gloves and chemical-resistant coveralls must be worn during mixing, loading, application, clean-up and repair using open-cab airblast equipment.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

DO NOT apply this product in a way that it will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during application.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Follow manufacture's instructions for cleaning/maintaining personal protective equipment. If there are no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottage, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically. The formulation is slightly toxic when inhaled. It is corrosive to the eye and is severely irritating to the skin.

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that SYLLIT 400 FL contains a Group U12 fungicide. Any fungal population may contain individuals naturally resistant to SYLLIT

400 FL and other Group U12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of SYLLIT 400 FL or other Group U12 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Company representatives at 1-800-438 6071.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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