

DART[®]

Fungicide EC

A Contact EC Fungicide For Agricultural use only

Keep Out of Reach of Children

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

**See inside booklet for First Aid and
Precautionary Statements.**

Shake Well • Apply with Continuous Agitation

Manufactured by:
SAN Group Biotech USA, Inc.
1260 Avenida Chelsea, Vista, California 92081
Tel. (760) 599-8855

Active Ingredients:

Capric Acid 41.7%

Caprylic Acid 28.3%

Other Ingredients: 30.0%

Total **100.0%**

EPA Reg. No. 51517-11 • EPA Est. No. 51517-CA-1



 **For Organic Production**

FIRST AID

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.
- Call a poison control center or doctor for treatment advice.

If on skin or clothing

- Remove contaminated clothing.
- Rinse skin immediately with plenty of water for 15–20 minutes.
- Wash exposed area with soap and water. If irritation persists, seek medical attention.
- Call a poison control center 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 center or doctor for treatment advice.

If swallowed

- Call poison control center 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 center or doctor.
- Do not give anything by mouth to an unconscious person.

Hot line number

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, 7 days a week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Waterproof or chemical resistant gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing.
- Remove PPE after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothes.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

PRODUCT INFORMATION

DART® Fungicide EC is a contact (non-systemic) fungicide/bactericide emulsifiable concentrate designed for the suppression and control of the listed fungal and bacterial diseases including powdery mildew and downy mildew.

DART® Fungicide EC provides effective disease control when applied before or at the onset of the disease through prophylactic means. If infection has occurred, **DART® Fungicide EC** can help minimize spread on to new plant tissue.

DART® Fungicide EC is composed of plant extracted fatty acids.

DART® Fungicide EC can be used throughout the growing season up to the day of harvest.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and involves contact with anything that has been treated such as plants, soil, or water, is:

- Protective eyewear
- Water and chemical resistant gloves
- Long-sleeved shirt and long pants
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for Agricultural Pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

For early reentry to treated areas and that involves contact with anything that has been treated such as plants, soil, or water, wear: protective eyewear, chemical and water-resistant gloves, long-sleeved shirt and long pants, shoes, and socks.

PLEASE NOTE: Deviations (increases) from listed rates, in addition to being off-label, WILL result in unacceptable crop damage. Good coverage is essential. Spray to point of run-off.

FOR USE ON the following food and NON-FOOD CROPS:

CROP	DISEASES	RATE (% W/W)	APPLICATION TIMINGS
Berries: Blackberries, Blueberries, Boysenberries, Cranberries, Dewberries, Loganberries, Raspberries	Botrytis Blight <i>Botrytis cinerea</i> Mummy Berry <i>Monilinia vaccinii-corymbosi</i> Anthrachnose Fruit Rot and Leaf Spot <i>Colletotrichum</i> spp. Alternaria Fruit Rot <i>Alternaria tenuissima</i> Powdery Mildew <i>Podosphaera</i> spp.. Downy Mildew <i>Peronospora sparsa</i> Leaf Spot <i>Mycosphaerella rubi</i>	0.2 – 0.35	Botrytis Blight: Begin application prior to disease development and continue applications at 5–8 day intervals as needed. Mummy Berry: Start applications at bud break and apply at 5–8 day intervals. Penetration of the spray into floral cup is advantageous. Anthrachnose and Alternaria: Apply when conditions favorable to disease development are present and apply at 7–10 day intervals while conditions persist. Powdery, Leaf Spot, and Downy Mildews: Apply when conditions favorable to disease development are present and apply at 7–10 day intervals while conditions persist. Cranberries: Make application to non-flooded field only.
Brassicas (Cole): Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens	Downy Mildew <i>Peronospora</i> spp.	0.2 – 0.35	Downy Mildew: Spray with thorough coverage, both sides of leaves, when conditions are conducive for downy mildew development (cool and moist). Repeat at 7–10 day intervals.
Bulb Vegetables: Garlic, Leaks, Onions, Shallots	Downy Mildew <i>Peronospora</i> spp. Botrytis Blight <i>Botrytis</i> spp.	0.2 – 0.35	Downy Mildew: Spray with thorough coverage, both sides of leaves, when conditions are conducive for downy mildew development (cool and moist). Repeat at 7–10 day intervals. Botrytis Blight: Apply to blooms and foliage when conditions are conducive to disease development. Repeat at 5–8 day intervals while disease conducive conditions persist.

FOR USE ON the following food and NON-FOOD CROPS:

Cereal Grains: Barley, Corn, Oats, Rye, Sorghum (Milo), Wheat	Botrytis Blight <i>Botrytis cinerea</i> Powdery Mildew <i>Sphaerotheca fulginea</i>	0.2 – 0.35	Botrytis Blight: Apply to blooms and foliage when conditions are conducive to disease development. Repeat at 5–8 day intervals while disease conducive conditions persist. Powdery Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7–10 day intervals while disease conducive conditions persist.
Citrus: Grapefruit, Lemons, Limes, Oranges, Mandarins	Anthrachnose Fruit Rot and Leaf Spot <i>Colletotrichum</i> spp. Alternaria Fruit Rot <i>Alternaria tenuissima</i> Botrytis Blight <i>Botrytis cinerea</i>	0.2 – 0.35	Anthrachnose and Alternaria: Apply when conditions favorable to disease development are present and apply at 7–10 day intervals while conditions persist. Botrytis Blight: Begin application prior to disease development and continue applications at 5–8 day intervals as needed.
Cucurbit Vegetables: Cantaloupes, Cucumbers, Gourds, Muskmelons, Pumpkins, Squash, Watermelons	Powdery Mildew <i>Sphaerotheca fulginea</i> Downy Mildew <i>Pseudoperonospora cubensis</i>	0.2 – 0.35	Powdery Mildew and Downy Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7–10 day intervals while disease conducive conditions persist.
Field Crops: Alfalfa, Canola, Cotton, Soybeans, Sweet Corn	Downy Mildew <i>Pseudoperonospora cubensis</i>	0.2 – 0.35	Downy Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7–10 day intervals while disease conducive conditions persist.

FOR USE ON the following food and NON-FOOD CROPS:

Fruiting Vegetables: Eggplant, Peppers (All Varieties), Tomatillos, Tomatoes	Powdery Mildew <i>Oidium</i> spp. and <i>Sphaerotheca</i> spp. Botrytis Blight <i>Botrytis cinerea</i> Early Blight <i>Alternaria solani</i>	0.2 – 0.35	Powdery Mildew: Monitor for disease presence during vegetative growth. If disease is detected apply on 7–10 day schedule. Botrytis Blight: Apply to blooms and foliage when conditions are conducive to disease development. Repeat at 5–8 day intervals while disease conducive conditions persist. Early Blight: Monitor for disease presence and start applications at first sign of disease. Repeat at 7–10 day intervals as needed.
Herbs and Spices: Anise, Basil, Chive, Dill, Fennel, Oregano	Downy Mildew <i>Peronospora</i> spp.	0.2 – 0.35	Downey Mildew: Monitor for disease and apply at first sign of disease presence. Repeat at 7–10 day (5–7 days for cool weather) intervals.
Grapes: Raisin, Table Grapes, Wine Grapes	Powdery Mildew <i>Podosphaeria</i> spp. Downy Mildew <i>Plasmopara viticola</i> Phomopsis <i>Phomopsis viticola</i> Black Rot <i>Guignardia bidwellii</i>	0.2 – 0.35	Powdery Mildew and Downy Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease or at budswell. Repeat on 7–10 day intervals while disease conducive conditions persist. Phomopsis and Black Rot: For plantings with a disease history and conducive conditions, apply starting at 5 inches and repeat through bloom until veraison on a 10-day rotation. Thorough coverage of foliage and stem is important.
Leafy Greens: Arugula, Celery, Lettuce, Spinach	Downy Mildew Powdery Mildew Leaf Spot	0.2 – 0.35	Powdery Mildew, Leaf Spot, and Downy Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7–10 day intervals while disease conducive conditions persist.

FOR USE ON the following food and NON-FOOD CROPS:

<p>Pome Fruit: Apples, Crabapples, Pears, Quince</p>	<p>Bacterial spot, Bacterial Canker <i>Pseudomonas syringae</i> Powdery Mildew Scab <i>Venturia inaequalis</i> and <i>V. pirina</i> Fire Blight <i>Erwinia amylovora</i> Bot (Botryosphaeria) Rot <i>Botryosphaeria</i> <i>dothidea</i></p>	<p>0.5 (Late Dormant Only) 0.2 – 0.35</p>	<p>Bacterial Spot, Bacterial Canker: Apply at 0.5% as a dormant spray before budswell then use lower application rate and repeat applications at 7 day intervals. Powdery Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7–10 day interval while disease conducive conditions persist. Scab: If conditions are conducive to disease development, apply starting at green tip and repeat on a 5–7 day interval until 40% bloom. Fire Blight: If conditions are conducive to disease and history dictates, apply starting at 40% bloom and repeat on 5 day interval until petal fall. Follow 5 day interval for secondary blooms if conditions persist. Use of CougarBlight or Maryblyt™ modeling programs can help to time applications. Bot Rot: Conducive conditions are warm, wet weather. Can be severe after fire blight outbreak. Apply at fruit enlargement on a 7 day interval while conditions persist. Symptoms are often not present until close to harvest so do not use symptom expression as the determinant for spraying.</p>
<p>Rice</p>	<p>Stem Rot Sheath Blast Spot</p>	<p>0.2 – 0.35</p>	<p>Start applications at first sign of disease. Repeat on 7–10 day interval while disease conducive conditions persist.</p>
<p>Stone Fruit: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes</p>	<p>Bacterial spot, Bacterial Canker <i>Pseudomonas syringae</i> Blossom Blight, Brown Rot <i>Monilinia fruticola</i> and <i>M. laxa</i></p>	<p>0.5 (Late Dormant Only) 0.2 – 0.35</p>	<p>Bacterial Spot, Bacterial Canker: Apply at 0.5% as a dormant spray before budswell then use lower application rate and repeat applications at 7 day intervals. Blossom Blight/Brown Rot: Apply on 5–7 day interval during bloom. Applications during ripening may be warranted if history and weather so indicate.</p>

FOR USE ON the following food and NON-FOOD CROPS:

Strawberries: June-bearing, Everbearing, and Day-neutral	Gray Mold <i>Botrytis cinerea</i> Powdery Mildew Phomopsis Leaf Blight Anthrachnose <i>Colletotrichum acutatum</i>	0.2 – 0.35	Gray Mold, Phomopsis Leaf Blight, Anthracnose: Apply when first signs of disease are detected or when conditions are conducive to infection in areas with a history. Repeat on a 5-7 schedule while conducive conditions exist. Powdery Mildew: Monitor from vegetative stage through fruiting. Start applications at first sign of disease. Repeat on 7-10 day interval while disease conducive conditions persist.
Tree Nuts: Almonds, Cashews, Hazelnuts (Filberts), Pecans, Pistachios, Walnuts	Bacterial spot, Bacterial Canker <i>Pseudomonas syringe</i> Botryosphaeria Blight Alternaria Late Blight <i>Alternaria</i> spp. and <i>Stemphylium</i> spp. Walnut Blight <i>Xanthomonas</i> spp. Almond Hull Rot <i>Rhizopus</i> spp. and <i>Monilinia</i> spp.	0.5 (Late Dormant Only) 0.25 – 0.35	Bacterial Spot, Bacterial Canker: Apply at 0.5% as a dormant spray before budswell then use lower application rate and repeat applications at 7 day intervals. Botryosphaeria Blight: If conditions are conducive to disease development, treat panicles or inflorescences at emergence and repeat on 7-day intervals. Apply one day before an anticipated rain event, if possible. Alternaria Late Blight: Starting in mid-summer, monitor for disease. If detected, apply 2–3 times at 7–10 day intervals. Walnut Blight: If conditions are conducive to disease development, begin applications at prayer stage (shoot emergence) of pistillate blooms. Repeat at 7-day intervals through bloom. IF history is bad and conditions for disease are conducive during staminate bloom, treat at that time also. Almond Hull Rot: For hull rot historically caused by <i>Monilinia</i> spp., apply through bloom until post petal fall at 5–7 day intervals. For <i>Rhizopus</i> induced hull rot, make two applications at hull split on a 7 day schedule.

FOR USE ON the following food and NON-FOOD CROPS:

Root & Tuber Crops: Potatoes, Potato Seed	Late Blight <i>Phytophthora infestans</i> Early Blight <i>Alternaria solani</i>	0.2 – 0.35	Late Blight: Monitor for disease presence and start applications at first sign of disease. Repeat at 7–10 day intervals as needed. Early Blight: Monitor for disease presence and start applications at first sign of disease. Repeat at 7–10 day intervals as needed.
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Non-Food Crops:

Turf, Flowers, Bedding, and Landscape Production	Powdery Mildew <i>Erysiphe</i> ssp. and others	0.2 – 0.35	Start applications at first sign of disease. Repeat on 7–10 day interval while disease conducive conditions persist.
Ornamental Trees and Shrubs	Powdery Mildew Rust Botryosphaeria Blight	0.2 – 0.35	Start applications at first sign of disease. Repeat on 7–10 day interval while disease conducive conditions persist.
Greenhouse and Nurseries	Botryosphaeria Blight Downy Mildew Powdery Mildew	0.2 – 0.35	Start applications at first sign of disease. Repeat on 7–10 day interval while disease conducive conditions persist.

MIXING INSTRUCTIONS

Shake well before use. Always read and follow all applicable precautions and restrictions on the label. **DART® Fungicide EC** is non-phytotoxic when used according to the label instructions. Always use care when applying this product to any crop for the first time and spraying on a small area first is always recommended.

When tank mixing **DART® Fungicide EC**, fill the spray tank with half of the recommended water. Add the appropriate amount of **DART® Fungicide EC** then add the remaining amount of water. Always use adequate spray volume to ensure thorough plant coverage and spray to the point of run-off. Prior to application, thoroughly mix spray solution. Use continuous agitation until all spray solution has been applied.

Desired Volume of Spray Mixture (gallons of water)	Amount of DART® Fungicide EC per Volume of Water		
	0.2%	0.25%	0.35%
1	0.25 fl. oz.	0.32 fl. oz.	0.45 fl. oz.
25	6.4 fl. oz.	8 fl. oz.	11.2 fl. oz.
50	12.8 fl. oz.	16 fl. oz.	22.4 fl. oz.
75	19.2 fl. oz.	24 fl. oz.	33.6 fl. oz.
100	25.6 fl. oz.	32 fl. oz.	44.8 fl. oz.

Application Equipment: Apply **DART® Fungicide EC** using conventional ground equipment, including but not limited to, tractor pulled boom sprayers, misters, and foggers. For small area applications, hand-held pneumatic sprayers, such as backpack sprayers, can be used. **DO NOT APPLY AERIALY OR THROUGH ANY TYPE OF IRRIGATION OR CHEMIGATION SYSTEM.**

COMPATIBILITY: **DART® Fungicide EC** is not compatible with copper or sulfur. Conduct a compatibility test when you plan to mix **DART® Fungicide EC** with other products. This material cannot be applied in alkaline tank mix solutions, use a pH indicator (such as litmus paper) if there is doubt about the specific pH in your tank mix. To determine the physical compatibility of **DART® Fungicide EC** with other products, use a jar test as follows. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then aqueous flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination does not form a precipitate and can be readily remixed, it is physically compatible. Once compatibility has been determined, use the same order of addition for adding products to the spray tank. Always follow the more restrictive labeling requirements of any tank mix partner. Do not tank mix with products which prohibit tank mixing. Treat a small test plot if new combinations of products are being used for the first time.

RECOMMENDATIONS TO AVOID SPRAY DRIFT

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

- Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If non-target crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
- Use care when conditions are favorable for drift (high temperatures, drought, low relative humidity).
- Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

RAINFASTNESS

DART® Fungicide EC is rainfast when dry, generally in 2 hours after application. This interval is dependent on local weather conditions, such as humidity and wind.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store **DART® Fungicide EC** in the original container in a cool place out of direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING (for containers less than 5 gallons): Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying, then offer for recycling, if available; or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by incineration. If burned, stay out of smoke. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

CONTAINER HANDLING (for containers greater than 5 gallons): Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

The batch number will appear on the container.

NOTICE OF WARRANTY: SAN Group Biotech USA, Inc., warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of SAN Group Biotech USA, Inc. To the fullest extent permitted by State law, SAN Group Biotech USA, Inc., shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Westbridge's liability is limited to replacement of product or refund of purchase price. **SAN GROUP BIOTECH USA, INC., MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**