



# Shield-Brite® FDL-230SC

## POSTHARVEST

### Postharvest Fludioxonil Fungicide for Pome & Stone Fruit

SHIELD-BRITE FDL-230SC is a flowable suspension concentrate.

**ACTIVE INGREDIENT:**

Fludioxonil:*	20.4%
<b>OTHER INGREDIENTS</b>	<b>79.6%</b>
<b>Total</b>	<b>100.0%</b>

\*CAS No. 131341-86-1

Contains 1.92 pounds of fludioxonil per gallon

EPA Reg. No. 64864-70

EPA Est. No. 64864-WA-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION - CUIDADO**

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)

FIRST AID	
If in eyes	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. Do not contaminate water when disposing of equipment wash waters or rinsates.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.  
Do not use with or store near oxidizing agents.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.  
Do not formulate this product into other End-use products.

Product Information

Failure to follow the Directions for Use and Precautions on this label may result in poor disease control.

Fungicide Resistance Management

Group 12 Fungicide

SHIELD-BRITE FDL-230SC contains fludioxonil, a fungicide in the phenylpyrrole class of chemistry with a unique mode of action, which leads to increased glycerol synthesis. Fungal isolates with acquired resistance to Group 12 may eventually dominate the fungal population if Group 12 fungicides are used repeatedly in the same packing house or in successive years as the primary method of control for targeted pathogens. This may result in partial or total loss of control of those pathogens by fludioxonil or other Group 12 fungicides. Because resistance development cannot be predicted, use of post-harvest resistance management strategies should be practiced. These may include rotating and/or tank mixing with products having different modes of action. Sanitation and other cultural practices to minimize disease are also recommended to aid in control as well as to assist in preventing/delaying resistance development.

NOTE: SHIELD-BRITE FDL-230SC may be degraded by exposure to direct sunlight. Treated fruit should not be stored in direct sunlight.

Mixing Procedures

Vigorously shake the product container before mixing. Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use.

Add ½ of the required amount of water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion to the spray or mixing tank. With the agitator running, open the container and add SHIELD-BRITE FDL-230SC to the tank. Continue agitation while adding the remainder of the carrier. Begin application of the solution after SHIELD-BRITE FDL-230SC has completely and uniformly dispersed into the mix carrier. Maintain agitation until the entire mixture has been used.

If tank-mixing, add the desired amount of other products recommended for tank mixture after SHIELD-BRITE FDL-230SC has completely and uniformly dispersed into the mix carrier. In general, tank mix partners should be added in this order: wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied. Maintain agitation until the entire mixture has been used.

THE CROP SAFETY OF ALL POTENTIAL TANK MIXES INCLUDING ADDITIVES AND OTHER PESTICIDES HAS NOT BEEN TESTED ON ALL CROPS. BEFORE APPLYING ANY TANK MIXTURE, SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED.

To determine the physical compatibility of SHIELD-BRITE FDL-230SC with other products, use a jar compatibility test as follows: Using a quart jar, add the proportionate amounts of the products to 1 qt. of water or wax/oil emulsion. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

If using SHIELD-BRITE FDL-230SC in a tank mixture, follow all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the labels of the products being mixed. Do not exceed the label dosage rate and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product which prohibits such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered.

**CROP USE DIRECTIONS**

**Pome fruit:** Apple (*Malus domestica*), Crabapple (*Malus spp.*), Loquat (*Eriobotrya japonica*), Mayhaw (*Crataegus aestivalis*, *C. opaca*, and *C. rufula*), Pear (*Pyrus communis*), Pear, oriental (*Pyrus pyrifolia*), Quince (*Cydonia oblonga*)

Use SHIELD-BRITE FDL-230SC as a postharvest dip, drench, flood, or spray for the control of postharvest diseases caused by Blue mold (*Penicillium expansum*), Gray mold (*Botrytis cinerea*), Bull's-eye rot (*Neofabraea malacortidis*), Rhizopus rot (*Rhizopus stolonifer*), Bitter rot (*Colletotrichum gloeosporioides*), Sphaeropsis rot (*Sphaeropsis pyriputrescens*), Phaciopycnis rot (*Phaciopycnis piri*), Speck rot (*Phaciopycnis washingtonensis*), White rot (*Botryosphaeria dothidea*), Alternaria rot (side rot) and surface mold (*Alternaria alternata*)

Application Method	Disease	Rate of product (fl oz.)	Remarks
Bin/Truck Drench or In-line Dip/ Drench or Flooder	Blue mold Gray mold Bitter rot Speck rot White rot Phaciopycnis rot Sphaeropsis rot Alternaria rot and surface mold	10-16 fl. oz. / 100 gals.	<ul style="list-style-type: none"> <li>Ensure proper coverage of the fruit.</li> <li>For re-cycling in-line drench or dip treatments, the fungicide solution may be prepared in water.</li> <li>For in-line drench or dip applications, treat fruit for 15-30 seconds and allow fruit to drain.</li> <li>Fruit coatings may be applied separately after aqueous fungicide treatments.</li> </ul>
	Rhizopus rot Bull's-eye rot	16 fl. oz. / 100 gals.	
In-line Aqueous or Fruit Coating Spray application	Blue mold Gray mold Rhizopus rot Bull's-eye rot Bitter rot Sphaeropsis rot Phaciopycnis rot White rot Alternaria rot and surface mold	16-32 fl. oz. / 200,000 lbs. of fruit	<ul style="list-style-type: none"> <li>Ensure proper coverage of the fruit.</li> <li>Mix the fungicide solution in an appropriate water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion for the crop being treated.</li> <li>Use T-jet, CDA, or similar application system.</li> </ul>

**For maximum decay control, treat pome fruit once before storage and once after storage, just prior to marketing.**



# Shield-Brite® FDL-230SC

## POSTHARVEST

**Stone Fruit:** Apricot (*Prunus armeniaca*), Nectarine (*Prunus persica*), Peach (*Prunus persica*), Plum (*Prunus domestica*, *Prunus* spp.), Plum, Chickasaw (*Prunus angustifolia*), Plum, Damson (*Prunus domestica* spp. *insititia*), Plum, Japanese (*Prunus salicina*), Plumcot (*Prunus armeniaca* x *P. domestica*), Prune (fresh), (*Prunus domestica*, *Prunus* spp.), as well as other cultivars and hybrids of these.

Use SHIELD-BRITE FDL-230SC as a post-harvest dip or spray for the control of post-harvest diseases caused by Brown rot (*Monilinia* spp.), Gray mold (*Botrytis cinerea*), Rhizopus rot (*Rhizopus stolonifer*), and Gilbertella rot (*Gilbertella persicaria*).

Application Method	Disease	Rate of product (fl oz.)	Remarks
In-line Dip/Drench	Brown rot Gray mold Rhizopus rot Gilbertella rot	16 fl. oz. / 100 gals.	<ul style="list-style-type: none"> <li>Mix 16 fl. oz. of SHIELD-BRITE FDL 230SC in 100 gals. of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.</li> <li>Dip for approximately 30 seconds and allow fruit to drain.</li> </ul>
In-line Aqueous or Fruit Coating Spray application	Brown rot Gray mold Rhizopus rot Gilbertella rot	16 - 32 fl. oz. / 200,000 lbs. of fruit	<ul style="list-style-type: none"> <li>Ensure proper coverage of the fruit.</li> <li>Mix 16 - 32 fl. oz. of SHIELD-BRITE FDL 230SC in an appropriate water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion for the crop being treated</li> <li>Use T-jet, CDA, or similar application system.</li> <li>For maximum efficacy, use low volume concentrate application systems for treatment of plums.</li> </ul>

**Do not make more than one postharvest application to stone fruit.**

**Cherries:** Cherry, sweet (*Prunus avium*), Cherry, tart (*Prunus cerasus*), as well as other cultivars and hybrids of these.

Application Method	Disease	Rate of product (fl oz.)	Remarks
In-line Aqueous or flooder application	Brown rot Gray mold Rhizopus rot Gilbertella rot	16 - 32 fl. oz. / 50,000 lbs. of fruit	<ul style="list-style-type: none"> <li>Mix 16 fl. oz. of SHIELD-BRITE FDL 230SC in 50-100 gals. or 32 fl. oz. of SHIELD-BRITE FDL 230SC in 100 gals. of an appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.</li> <li>Use flooders, T-Jet, or similar application system.</li> </ul>
High-Volume (dilute spray) application			

**Do not make more than one postharvest application to cherries.**

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not store near heat or open flame. Store only in original container. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

**PESTICIDE DISPOSAL:** Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. 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 ¼ 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 and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

### NOTICE TO BUYER

**IMPORTANT:** Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

### LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase of this product, purchaser and user agree to the following terms:

**Warranty:** Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. To the extent consistent with applicable law, the Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose. To the extent consistent with applicable law, no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

**Terms of Sale:** The Company's directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the control of the Company. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**Limitations of Liability:** To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. To the extent consistent with applicable law, the Company shall not be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

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Manufactured By:

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