

## **NON-FOOD CROPS**

### General Information

#### GENERAL INFORMATION

PURSHADE assists in the reduction of damage on produce and plants caused by solar radiation. When applied to plants, PURSHADE forms a dry, semi-opaque film that acts as a barrier to harmful sunlight. PURSHADE should be diluted in sufficient water to cover and adhere to all surfaces of the target plant without causing runoff. Wait until dry before reapplying PURSHADE. The use of overhead irrigation will diminish the performance of PURSHADE.

#### COMPATIBILITY

PURSHADE is an alkaline product which will increase the pH of spray solutions. The degree of pH adjustment that PURSHADE will have on a spray solution is dependent on many factors including the volume of water, the pH and mineral content of the water, and the pH of other tank mix ingredients. Conduct a jar test for compatibility before mixing PURSHADE with other tank mix ingredients known to be sensitive to high pH unless your prior use has shown the combination to be physically compatible and effective. If unsure, test the combination on a small portion of the crop to be treated to ensure that an unwanted response will not occur as a result of the application. PURSHADE is NOT RECOMMENDED for use with phosphate fertilizers and summer oil. Application of PURSHADE close to harvest time in combination with, or just prior to, products that have a high degree of adherence to the plant (oil, stickers, etc.) may interfere with the post-harvest removal of the protective film of PURSHADE from the crop.

Compatibility with Adjuvants – PURSHADE is compatible with most adjuvants, such as non-ionic, methylated seed oil (MSO), and sticker spreader-type surfactants. When using a spreader and/or stickers with PURSHADE, a post-spray removal test should be performed BEFORE spraying the fruiting structure of the crop.

#### MIXING

MAINTAIN A CONSTANT AGITATION THROUGHOUT MIXING AND APPLICATION. When using a non-agitating sprayer tank, such as handheld and backpack sprayers, shake

the tank on a regular basis to keep the material in suspension.

## APPLICATION INSTRUCTIONS

The rate recommendations on the PURSHADE label reflect the amount of product that should be applied uniformly over an acre (hectare) of ground on a broadcast basis. Initial applications should be made at the highest recommended rates. To optimize solar protection under conditions favoring high solar stress, use the high rates and the shortest application intervals. Apply PURSHADE in sufficient water to obtain adequate coverage of foliage and fruiting structures. Application water volumes vary with crop, method of application, and amount of plant growth. If applying PURSHADE with a ground sprayer, water volumes typically range from 25–150 gallons/acre (250–1,500 liters/hectare). Water volumes for aerial application typically range from 5–20 gallons/acre (50–200 liters/hectare). NEVER SPRAY TO THE POINT OF RUNOFF, as resulting coverage will be poor. To provide maximum protection, applications should be made PRIOR to conditions of high solar stress. Aerial applications can be made for those crops or conditions that do not permit application using ground equipment. Do NOT apply by chemigation.

## POST-HARVEST REMOVAL

Generally, PURSHADE can be removed by hand or on a commercial packing line that includes a water-filled dump tank or spray bar (water pH adjusted to 5–6) followed by a brush section for mechanical removal.

Do not apply to crops near harvest if washing to remove residues is not possible or available.

## Limitations, Restrictions, and Exceptions

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Nursery & Ornamental Plants and Trees such as landscape plants (including but not limited to: Japanese red maples, shrubs, and topiaries), flowers or ornamental tree seedlings/saplings in nurseries or field plantings and Forest Trees (deciduous or evergreen) in nurseries or field plantings

## APPLICATION GUIDELINES

Always apply first application 3–10 days prior to a solar stress event for optimum

protection. Subsequent applications should be made every 21- 28 days, or as needed. Sensitive crops being moved out of protected environments (e.g., greenhouses) should be treated prior to, or immediately following, being moved to the field.

#### NOTES:

Non-food Crops - Application to crops close to harvest will result in a cosmetic residue. Unless crop is to be washed, only apply to immature crop and allow adequate time from the last application to harvest for residue to dissipate.

Rate - The metric conversion is approximate.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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#### Timings

[First application 3-10 days prior to a solar-stress event for optimum protection.](#)