

FACTS ABOUT



GLACIER

MODES OF ACTION

- ◆ GLACIER is a systemic material and is taken into the plant structure, acting as an "anti-freeze." GLACIER also acts as an ice formation inhibitor, reducing surface ice markings on fruit.
- ◆ GLACIER enters green tissues and certain flower parts. Care must be taken when applying GLACIER. Please consult the label.
- ◆ There is a direct and inverse correlation between the speed of plant growth (related to temperature) and the duration and degree of protection provided by GLACIER. In other words, faster growing plants will be protected for shorter periods of time.

SECONDARY BENEFITS

- ◆ On certain crops, GLACIER has been shown to provide secondary benefits such as:
 - reduction of ice markings
 - a more rapid regrowth rate after frost damage.

GLACIER is beneficial even if no frost or freezing occurs.

GLACIER is a tool, among many tools, to decrease frost or freezing damage to plants

- ◆ Other tools or methods include proper fertilization, including the use of micronutrients, good irrigation practices, removal of weeds and insect pressures, elimination or reduction of disease, use of wind machines, use of smudge or smoke pots where allowed and the use of overhead watering systems.
- ◆ Naturally occurring ice nucleation active (INA) bacteria occur on the leaves and operate as sites for ice nucleation (formation.) The use of GLACIER has been shown to reduce the phenomenon of ice nucleation.

CONCLUSION

GLACIER is one of many tools and should be used in combination with mechanical and cultural methods of frost control to provide a more complete frost protection program.

APPLICATIONS & USES

- ◆ GLACIER begins to enter the plant almost immediately, but usually 6 to 8 hours are required for any benefit from GLACIER applications.
- ◆ The best results are obtained when GLACIER is applied at least 24 to 48 hours prior to freezing. Long periods of low temperatures can cause damage despite the application of GLACIER but the damage is often reduced when GLACIER is used.
- ◆ GLACIER may need to be reapplied if it rains 1/2" within 24 hours of application.
- ◆ GLACIER may be applied by ground or air.
- ◆ GLACIER should be applied in sufficient water to cover all foliage. GLACIER should not be sprayed to runoff as phytotoxicity may occur. Consult the label for application instructions.

NOTE: For banded application (treated-acre or sprayed-acre) adjust rate accordingly. For backpack spray application, refer to the product label.