

## **TREE, BUSH AND VINE CROPS - GRAPE - LEAFHOPPERS, SHARPSHOOTER, ETC.**

### General Information

#### APPLICATION RECOMMENDATIONS

Apply IMPULSE 1.6 FL as a directed or broadcast foliar spray. Thorough coverage of foliage without runoff is required for maximum insecticidal efficacy. Use of adequate spray volumes and correctly calibrated application equipment is critical. Use of a spray adjuvant may enhance thorough coverage. Lack of adequate coverage and retention of IMPULSE 1.6 FL on foliage and fruit can delay or lessen insect control. IMPULSE 1.6 FL may be applied with ground or aerial application equipment that has been properly calibrated.

Minimum recommended spray volumes (unless otherwise specified on crop sections) are:

- 10 gallons/Acre by ground application
- 5 gallons/Acre through aerial equipment

IMPULSE 1.6 FL may also be applied by overhead chemigation (see “CHEMIGATION DIRECTIONS FOR USE” section below) if allowed in crop specific recommended application section.

IMPULSE 1.6 FL application to crops grown for production of true seed intended for private or commercial planting may be allowed under State specific supplemental labeling. Extreme caution should be taken to minimize exposure of IMPULSE 1.6 FL to honey bees and other pollinators. Do not use IMPULSE 1.6 FL on crops requiring bee pollination during bloom and a minimum of 10 days prior to bloom. Additional information on IMPULSE 1.6 FL uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, consultants or local Albaugh representatives.

Do not exceed application of more than 0.5 lbs. active ingredient per acre, per crop season, regardless of formulation or method of application, unless specified within a crop specific recommended applications section for a given crop.

## Limitations, Restrictions, and Exceptions

### TREE, BUSH AND VINE CROPS

Apply as foliar spray at specified rate per acre when insect pressure reaches economic threshold. Uniform coverage is required to achieve best control and a spray adjuvant may help improve coverage. Two applications may be required to achieve control when initial insect populations are high. Retreatment should be based on field scout reports. IMPULSE 1.6 FL may be tank mixed with other labeled insecticides to increase control or control pests not controlled by imidacloprid.

### GRAPE

Use higher rates when pest pressure is more severe.

#### Notes and Restrictions:

- Minimum interval between applications: 14 days

#### Method

[Foliar spray](#)

#### Rates

[field rates 0](#)

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#### Restricted Entry Interval

12 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

#### Timings

[When insect pressure reaches economic threshold.](#)