



# fact sheet

SIVANTO PRIME PRECISELY TARGETS KEY DAMAGING PESTS WITH FAST-ACTING AND LONG-LASTING ACTIVITY WHILE AT THE SAME TIME HAVING A FAVOURABLE SAFETY PROFILE FOR MANY BENEFICIAL INSECTS.

## FEATURES AND BENEFITS

- The first insecticide in a new chemical sub-class, Group 4D, Sivanto® Prime combines proven Group 4 insecticide efficacy with a favourable safety profile for many beneficial insects
- Provides a wide window of application, strong Integrated Pest Management (IPM) fit and multiple application methodologies
- Minimal application timing restrictions allowing application based on pest thresholds, not plant staging
- Antifeedant properties and quick knockdown of adult pests
- Sivanto Prime offers a three-prong ability to mitigate primary and secondary spread of insect-transmitted diseases:
  1. Sivanto Prime's knockdown insecticidal activity quickly kills targeted adult and immature insect pests
  2. Sivanto Prime causes rapid feeding cessation, within 90 minutes of application, in many sucking insect pests including aphids, psyllids and whiteflies
  3. Excellent residual activity of Sivanto Prime provides ongoing control of insect vectors, preventing colonization and additional spread of plant pathogens

## APPLICATION TIPS

- Rainfast in 1 hour
- Prior to use of a surfactant with Sivanto Prime, the mixture must be tested in a small area to ensure no risk of phytotoxicity
- Sivanto Prime mixed with oil may cause fruit injury to certain varieties of pears (e.g. d'Anjou), when used alone or when other products are applied sequentially. Follow precautions on oil labels and spray guides and avoid application when temperatures exceed 30°C within 24 hours of application. See label for more details.
- Good coverage is important; product will not move to older leaves, as these leaves are not being fed by the plant's transport system
- Restricted Entry Interval (REI) for hand girdling of grapes is 24 hours. REI for all other crops and activities is 12 hours.
- Sivanto Prime belongs to the chemical subgroup 4D. The cross-resistance potential between subgroups (i.e. 4A, B and C) is higher than that between different groups, so rotation between subgroups should be avoided where possible

## MODE OF ACTION

- Group 4D insecticide (flupyradifurone)

## FORMULATION AND PACKAGING

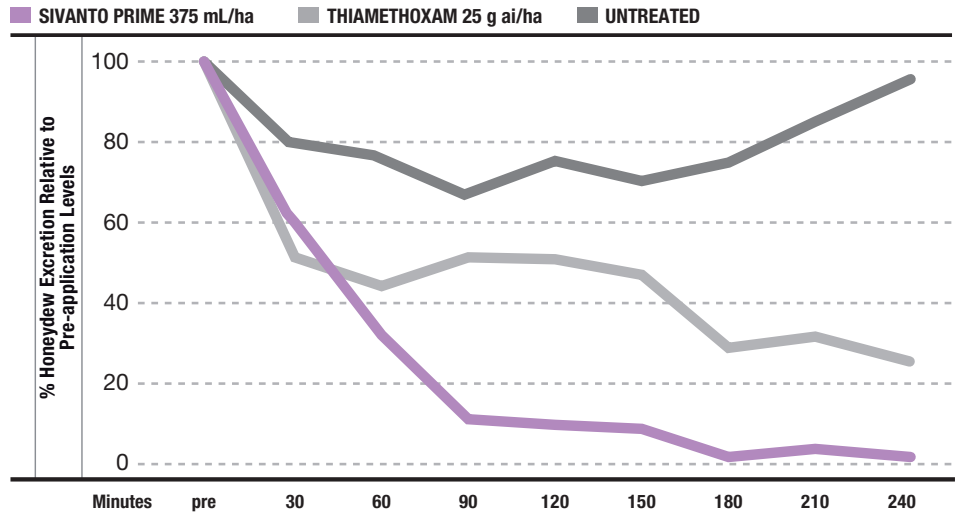
- Formulated as a 200 g/L suspension concentrate
- Available in 2 L jugs



# did you know?

SIVANTO® PRIME INSECTICIDE IS THE FIRST INSECTICIDE FROM THE BUTENOLIDE CHEMICAL CLASS. THE DISCOVERY OF FLUPYRADIFURONE, THE ACTIVE INGREDIENT IN SIVANTO PRIME, WAS INSPIRED BY A NATURAL COMPOUND FOUND IN THE PLANT *STEMONA JAPONICA*.

## Rapid Antifeedant Effect on Aphids



Sivanto Prime treatment leads to a quick feeding (honeydew excretion) cessation within 90 minutes after foliar application even on aphids feeding on the underside of leaves.

Study performed at Bayer CropScience in Germany

PESTS CONTROLLED	METHOD OF TREATMENT	RATE	PHI	MAX APPS
<b>CROP GROUP 11-09: Pome fruit<sup>1,2</sup>:</b> apple, azarole, crabapple, mayhaw, medlar, pear, Asian pear, quince, Chinese quince, Japanese quince, tejocote, and cultivars, varieties and/or hybrids of these.				
Aphids (except wooly apple aphid) Leafhoppers	Apply as a directed foliar spray ensuring thorough coverage	500-750 mL/ha (202-303 mL/ac.)	14 days	2000 mL/ha per crop season
Oystershell scale Pear psylla (Suppression) San Jose Scale		750-1000 mL/ha (303-405 mL/ac.) + horticultural oil at 0.25% vol/vol.		

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2. Refer to label for a complete list of registered crops within each Crop group



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