

# Ambitious®

PLANT GROWTH REGULATOR

ACTIVE CONSTITUENT: 10 g/L FORCHLORFENURON

**Plant growth regulator for increasing berry size in table grapes, and fruit size in apples and cherries**

## GENERAL INSTRUCTIONS

Ambitious Plant Growth Regulator is a very active plant growth regulator with cytokinin activity which accelerates cell division, cell number and cell size. Promotes fruit enlargement as a result. The product is not translocated in plant tissue (e.g. from treated leaves to fruit), it is sufficient to spray only the fruit by direct application. Direct spray to the bunches and fruit. Bunches or fruit must be thoroughly wetted. The formation of drip points must be avoided. Run off and drip points may result in marks or rings on berry skin or lop sided, misshapen apples. Avoid application in midday heat.

## APPLICATION:

Grapes

- Apply after post-bloom shatter period to avoid increased fruit set. Gibberellic Acid – Good berry thinning is essential when using Ambitious Plant Growth Regulator. Best results are obtained when using Ambitious in addition to a GA3 program. On established vines apply in water rates between 500-1000L per ha. Spray volumes will depend on crop load and spray equipment. Reduce water volumes on young vines. Higher rates of Ambitious Plant Growth Regulator may change berry shape to a more spherical form.
- Ambitious Plant Growth Regulator can be applied
  - Directed spray to young fruit or bunches, with spray volumes in the range of 500 L/ha (single fruit treatment). Spray volumes depends on crop load, spray equipment used, nozzle type and spray pressure. Bunches have to be thoroughly wetted. Formation of drip points must be avoided.
  - Overall spray on the whole vines by means of a mist blower, etc (eg. air blast spraying), with spray volumes of around 1000 L/ha depending on vine height, spacing of vines and equipment used (nozzle type and size etc.).
- Apply as a fine mist. Complete coverage of the fruit is essential and all bunches have to be wetted thoroughly. Apply at a volume of between 500-1000 L water per hectare on established vines. Use proportionally less on younger vines. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.

- The required spray volume will change and the sprayer set up and operation may also need to be changed as the crop grows.
- Avoid run-off and formation of drip-points, which may lead to unwanted marks/rings on the berry skin. Apply preferable during the morning or late afternoon hours. Avoid the midday heat. Avoid spraying if rain is expected. As Ambitious Plant Growth Regulator is not systemic and applications are made some weeks before new bud formation occurs. Ambitious Plant Growth Regulator cannot directly influence crop load in the following year. However, with the use of Ambitious Plant Growth Regulator, the productive requirements of the treated plants are increased. For this reason, it is important to adjust fruit load, nutritional state and water balance of the plants accordingly.
- Apply Ambitious Plant Growth Regulator after termination of post bloom shatter period as otherwise Ambitious Plant Growth Regulator may increase fruit set.

Apples and Cherries

- To increase fruit size of small fruit varieties.
- Application will not compensate for other limiting factors, such light crop load, drought, heat, nutritional, disease or other stress on crop.
- Apply as a fine, dilute spray in sufficient water to provide good coverage for the target canopy at crop stage, include a non-ionic surfactant such as Pomade™. Avoiding sprayer set ups and water rates that result in drip points.
- Apply at a target fruit size of 10mm king fruit.
- Apply under warm conditions, with high for the day 20°C or greater. Avoid applying in the heat of the day.
- Product does not translocate across fruit. Fruit ridging or deformations are possible, care should be taken to ensure even coverage and do not use above label rate.
- Fruit color development may be delayed in Fuji.
- **DO NOT** apply when rain is expected.

## MIXING

Thoroughly clean out spray container with clean water. Use correct measuring device and do not mix more than is needed. To prevent foaming and ensure adequate mixing, add part of water to the spray tank, then product, mix and add reminding water. Agitate whilst mixing and applying.

## COMPATIBILITY

Ambitious Plant Growth Regulator is not compatible with other insecticides, fungicides, herbicides or other than specified adjuvants. Ambitious Plant Growth Regulator may be used in a tank mix with Gibberellic Acid.

## WETTING AGENT

A non-ionic wetting agent such as Spray Aid may be added to the tank.

## INTEGRATED PEST MANAGEMENT

Cherries: Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

## PRECAUTIONS

**DO NOT** enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**DO NOT** apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plant/crops, cropping lands or pastures.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life.

**DO NOT** contaminate streams, rivers, watercourses with the chemical or used containers.

## STORAGE AND DISPOSAL

**FLAMMABLE** – keep away from flames or heat. **KEEP OUT OF REACH OF CHILDREN.**

Store in the closed, original container in a cool (below 20°C), dry place out of reach of children. Do not store in direct sunlight.

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site.

If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and

set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. **DO NOT** burn empty containers or product.

## SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. When using together with other products, consult their label safety directions. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) which can be obtained from Sumitomo Chemical.

## IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

APVMA Approval No. 65381/125798

<b>ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)</b>	
<b>UN NO. 1170</b>	
<b>PG II</b>	
<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>SPECIALIST ADVICE IN EMERGENCY ONLY 1800 777 068 ALL HOURS - AUSTRALIA WI</b>

## DIRECTIONS FOR USE

### Restrictions:

For PROFESSIONAL use only.

**DO NOT** apply by air.

**DO NOT** spray if rain is expected within 2 hours.

**DO NOT** allow bystanders to come into contact with the spray cloud.

CROP	RATE PER 100 L WATER	CRITICAL COMMENTS
<b>Table grapes</b> Thompson Seedless Menindee Seedless Red Globe	50-100 mL	Apply at 4 to 6 mm berry size.
<b>Apple – (Vic, Qld only)</b> Royal Gala, Fuji	100 mL	Apply when king fruit size is 10mm. <b>DO NOT</b> apply more than one application per season. <b>DO NOT</b> apply later than crop growth stage BBCH 71.
<b>Cherries</b>	200 – 300 mL	Apply when fruit are at green fruit stage (7-10 days after petal or shuck fall) or at straw fruit colour. <b>DO NOT</b> apply more than one application per season. <b>DO NOT</b> apply later than crop growth stage BBCH 85.

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### WITHHOLDING PERIOD

**HARVEST (Apples, Cherries, Grapes): NOT REQUIRED** WHEN USED AS DIRECTED.

**GRAZING: DO NOT GRAZE TREATED VINEYARDS OR ORCHARDS OR CUT TREATED AREAS FOR STOCK FEED UNTIL AFTER COMPLETION OF HARVEST.**

**EXPORT HARVEST INTERVAL (EHI): NOT REQUIRED** WHEN USED AS DIRECTED.