

# I-NAPHTHYLACETIC ACID 45SL

Distributed by: Harvest Chemicals  
Registration Holder/Registrasiehouer Harvest Crop Solutions (Pty)Ltd.  
Reg.No. 2014/187205/07  
25 Dan Pienaar Road, Kloof, 3610 • Tel: +27 (0) 31 764 6315  
Poison Helpline: 085 155 5777

**HARVEST**  
CHEMICALS



**A plant growth regulator for fruit thinning in apples and the induction of flowering and uniformity of growth in pineapples.**

**'n Plantgroeireguleerder vir vruguitdunning in appels en vir eenvormige bloeiselvorming en groei by pynappels te bevorder.**

Batch No	Reg. No. L 11013, Act No 36 of 1947.	Reg Nr. L 11013, Wet Nr. 36 van 1947.	Lot Nr
<input type="text"/>	<b>PLANT GROWTH REGULATOR GROUP CODE</b> 1	<b>PLANTGROEI-REGULEERDER GROEPKODE</b>	<input type="text"/>
Date of manufacture	<b>Active Ingredient:</b> 1-naphthylacetic acid	<b>AktieweBestanddeel:</b> 1-naftielasynsuur	Vervaardigingsdatum
<input type="text"/>	<b>Nett Volume</b> 5l	<b>Netto Volume</b>	<input type="text"/>



**CAUTION  
VERSIGTIG**



## WARNINGS

- Poisonous when swallowed.
- Can be irritating to skin.
- Can irritate eyes.
- Store in a cool dry place away from moisture and water.
- Store away from food, feedstuffs, eating utensils, seed and fertilisers.
- Keep out of the reach of children, uninformed people and animals.
- Re-entry – Do not enter the treated area until the spray deposit has dried unless wearing protective clothing.

Although '1-Naphthylacetic Acid 45 SL' is regarded as being safe to the crop on the most important cultivars, this does not mean that a sensitive cultivar may not be released in the future. Where a new cultivar is encountered, large areas should not be sprayed without prior testing of '1-Naphthylacetic Acid 45 SL' on that cultivar on a small scale first to establish possible sensitivity.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, and the environment or harm to man or animal or for the lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## PRECAUTIONS:

- Do not inhale spray mist.
- Wash thoroughly with soap and water after skin contact.
- In the case of eye contact, flush eyes with plenty of water for at least 15 minutes.
- Wash contaminated clothing daily.



- Do not eat, drink or smoke while mixing and applying or before washing hands and face after use.
- Prevent contamination of food, eating utensils, feed and drinking water.
- Prevent the drift of spray mist on to other crops, grazing, rivers, dams or other areas not under treatment.
- Rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the volume of the container. Add the rinsings to the contents of the spray tank before destroying the container by perforation and flattening.
- Do not use the container for any other purpose

## **DIRECTIONS FOR USE**

## **USE ONLY AS DIRECTED**

### **Compatibility:**

Do not use '1-Naphthylacetic Acid 45 SL' with other pesticides or additives.

### **Mixing Instructions:**

Shake the container before use. Replace the cap after pouring.

Half fill the spray tank with clean water – add the required volume of '1-Naphthylacetic Acid 45 SL' – fill the spray tank to the desired volume.

Ensure thorough agitation during mixing and spraying.

Do not leave the spray mix in the tank for any length of time, e.g. overnight.

### **Application:**

Apply during warm dry weather.

Do not apply when the crop is wet from rain or dew.

### **Use Restrictions in Apples:**

- Get expert advice before using this product to thin apples for the first time.
- Apple tree response to '1-Naphthylacetic Acid 45 SL' as a fruit thinner is affected by many variables. These are the cultivar, rootstock, tree age, nutrition, the degree of flowering, fruit set, timing of application, environmental conditions and the use of other growth regulators, which can effect product performance. Contact the supplier of this product for recommendations.
- Do not apply '1-Naphthylacetic Acid 45 SL' in combination with other thinning agents or in a programme with them.
- Fruit Thinning - Optimum results are achieved when applied between petal fall and 5 mm fruit diameter. Do not apply when fruit is larger than 5 mm diameter.
- Fruit Thinning - For optimum results apply when the daytime temperatures will be between 20 °C and 27 °C for the following 3 days. Do not apply when there is cold weather (below 15 °C). Do not apply if temperatures are over 30 °C or expected to be above this. Temperatures over 27 °C at application may result in over-thinning and flagging of leaves.

### **Use Restrictions in Pineapples:**

- Apply '1-Naphthylacetic Acid 45 SL' within 1 month before natural flowering.
- Application to immature plants and suckers will result in small fruit size.
- Rain within 24 hours of application will require a repeat treatment.
- Apply when daytime temperatures are between 15 °C and 24 °C. Do not apply when the temperature is over 28 °C.
- Do not exceed the recommended dosage rate as abnormal fruit can occur.

## **DOSAGE RATES**

<b>CROP</b>	<b>DOSAGE RATE</b>	<b>REMARKS</b>
<b>APPLES: CHEMICAL THINNING OF FRUIT</b>		
<b>Easy-to-thin cultivars:</b> e.g. Granny Smith; standard red cultivars; young vigorous Royal Gala types.	11 ml per 100ℓ	Apply as a single full cover spray immediately after petal fall and before fruit have reached the 5 mm diameter size.
<b>Difficult-to- thin cultivars:</b> e.g. Braeburn, Cripp's Red, Cripp's Pink, red spur types, Royal Gala types, Golden Delicious types, Fuji types.	11 ml per 100ℓ	Apply as a single full cover spray immediately after petal fall and before fruit have reached the 5 mm diameter size. Follow this with the application of another chemical thinning product before fruit have reached the 15-20 mm diameter size.
<b>PINEAPPLES: FOR EVEN CROP GROWTH, FLOWERING AND CONCENTRATION OF HARVEST TIME</b>		
Cayenne and Queen cultivars	22.5 ml per 100 ℓ	Apply shortly before the expected initiation of flowering during warm dry climatic conditions. <b>Hand Application:</b> Pour 30 to 50 ml of the solution into the crown of each plant or sucker. Bud emergence will occur between 45 days (warm months) and 120 days (cold months) after application- <b>Broadcast Spray Application:</b> Apply as a high volume cover spray (± 3 000 ℓ per ha). <b>Summer Plant Crop:</b> Apply an ethepon plus UAN treatment (1.0 ℓ + 50 ℓ/ha) 7 to 10 days before applying '1-Naphthylacetic Acid 45 SL' to initiate flowering. <b>Winter Plant Crop and Ratoon Crops:</b> Apply '1-Naphthylacetic Acid 45 SL' when plants are ready to be forced to flower and repeat once after 7 to 10 days.

