



The Chemical Company

# Regalis®

Reg. No.: L7549

Act No. 36 of 1947

**A water dispersable granular plant growth regulator, to be used to reduce excessive shoot growth, in apples.**

Active ingredient:

Aktiewe bestanddeel:

Prohexadione-calcium (acylcyclohexanediones) ..... 100 g / Kg

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**'n Waterdispergeerbarekorrel plantgroeireguleerder, wat gebruik word vir die vermindering van oormatige lootgroei, in appels.**

**Registered by / Geregistreer deur:**

BASF South Africa (Pty) Ltd.

(Co. Reg. No. / Mpy Reg. Nr 66/10235/07)

P.O. Box / Posbus 2801, Halfway House, 1685

**Batch Number /**

**Lotnommer:**

**Date manufactured /**

**Datum vervaardig:**

**EMERGENCY NUMBER / NOODNOMMER:**

**083 265 3805**

**Approval code: 04 / 08 / 04**

## 5 kg

®Registered Trade Mark of BASF / Geregistreerde Handelsmerk van BASF

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## WARNINGS

ALLOW THE FOLLOWING NUMBER OF DAYS, BETWEEN LAST APPLICATION AND HARVEST:

Apples	56
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- Handle with care.
- Store in a cool, dry place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.

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 against 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, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure 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 or dust.
- Wash contaminated clothing daily.
- Wash with soap and water after accidental skin contact.
- Do not smoke, eat or drink during mixing and spraying operations, before washing hands and face thoroughly.
- Do not contaminate springs, dams, rivers, eating utensils, food or feed.
- Prevent drift onto other crops and grazing.
- Rinse the empty container with a volume of water equal to at least 10 % of the volume of the container and destroy empty container and dispose of it in a safe way and never re-use for any other purpose.

## DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

### Mixing instructions:

Half fill the spray tank with clean water. Add the required volume of **Regalis®** to the spray tank. Measure the required volume of **Dash® HC** (L7469) and add to the water in the tank, while the contents of the tank is being agitated. Fill the spray tank with water to the desired volume, while stirring continuously, to ensure complete mixing, before spraying is commenced. Maintain agitation during application. The prepared spray mixture should not be left in the spray tank for an indefinite period, e.g. overnight.

## APPLICATION INSTRUCTIONS

### General information:

- **Regalis®** is mainly absorbed by the leaves, yet a minimum of leaf surface is required, for good uptake of the active ingredient.
- Apply **Regalis®** only to active growing trees, according to the tree size and the rates as listed in the table below.

- High temperatures, low Relative Humidity and strong winds, restricts the uptake of **Regalis®** and it requires four to eight hours for sufficient uptake, by the trees. It is therefore critical, to apply **Regalis®** preferably late in the afternoon, or alternatively, early morning.

#### Timing of application:

- The first application should be sprayed, when the terminal shoots are at a length of 5 – 7 cm and 3 – 5 leaves per shoot, are fully developed. This period is associated with growth stage 31 (100 % petal drop).
- Repeat with a second application, 3 - 4 weeks later.

#### High volume application:

The water volume to be applied per hectare, should be calculated according to the Tree Row Volume (TRV) formula, described by Unrath (Deciduous Fruit Grower Nov. 1986):

$$\ell / \text{ha} = \frac{\text{Tree height} \times \text{Tree depth} \times 937}{\text{Row Width}}$$

The above formula, indicates the required volume of water for High Volume (HV) applications, when the trees are in full leaf. Based on the above formula, the following water volumes are recommended, for the various growth stages:

GROWTH STAGE / APPLICATION	% HV WATER REQUIREMENT / HA
Blossom - first application	80 %
4 Weeks later – second application	100 %

#### Low volume application:

- When a low volume application of **Regalis®** is applied, the rate must be at least 1,25 Kg / ha.
- Use the above formula to calculate the required amount of **Regalis®** per ha.

CROP	DOSAGE RATE	DIRECTIONS FOR USE
APPLES	70 g <b>Regalis®</b> / 100 ℓ water +60 mℓ <b>Dash® HC</b> / 100 ℓ water	<b>Regalis®</b> must be applied, at a minimum of 1,25 Kg / ha. Apply as a foliar application, when the lateral shoot length reaches 5 – 7 cm and 3 – 5 leaves are unfolded (see <b>Timing of application</b> above). Apply as a high volume application, according to Tree Row Volume, or when low volume application is applied, refer to <b>Timing of application</b> , above.  A second application, must be applied four weeks, after the first application.

**Dash® HC** is a Registered Trade Mark of BASF.