

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

DEURBRAAK

South Africa Reg. No: L7255 Act No. 36 of 1947

PLANT GROWTH REGULATOR

A soluble concentrate plant growth regulator for delayed foliation in apples, pears, apricots, plums, kiwifruit, wine and table grapes as well as advancement of budding in sultana grapes.

ACTIVE INGREDIENT:

Cyanamide.....520g/ℓ

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Harmful if swallowed.
- Harmful in contact with skin.
- Harmful if inhaled.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- Suspected of causing cancer.
- May cause damage to organs through prolonged or repeated exposure.
- Suspected of damaging fertility or the unborn child.
- Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink, or smoke when using this product



enviro
— bio-chem

Registration holder: Erintrade cc t/a RT Chemicals

Co. Reg. No: CK 2001/036403/23

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 2922

WARNINGS:

- Harmful if swallowed.
- Harmful in contact with skin.
- Harmful if inhaled.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- Suspected of causing cancer.
- May cause damage to organs through prolonged or repeated exposure.
- Suspected of damaging fertility or the unborn child.
- Harmful to aquatic life with long lasting effects.
- Toxic to bees and Wildlife.
- Keep out of reach of children, uninformed persons and animals.
- Store under lock and key, away from food and feedstuffs, seed and other agricultural chemicals.
- Use only before budburst. Do not apply within 2 weeks of budburst on grape vines.
- Store in a cool place (below 20°C).
- In case of poisoning call a physician and make this label available to him/her.

Although this remedy has been extensively tested under a wide 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 weed 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 product concerned due to failure of the user to follow the label instruction 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 handle until all safety precautions have been read and understood.
- Keep container tightly closed.
- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink or smoke when using this product.
- Do not drink any form of alcohol 24 hours before, during and 24 hours after spraying of this product since alcohol increases the irritation effect of DEURBRAAK.
- Use outdoors or in well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF exposed or concerned: Get medical advice/attention.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Wash contaminated clothing before reuse.
- Store in a well-ventilated place. Keep cool.
- Store locked-up.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to

drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the content of the spray tank.

- Empty containers should be taken for local recycling or waste disposal.
- Do not re-use empty containers.
- Collect spillage.

RELEVANT SUBSTANCES:

Cyanamide <46.4%

Phosphoric Acid (H_3PO_4) <5%

SYMPTOMS OF HUMAN POISONING:

Irritation of mucous membranes, redness of the face, vertigo, increased respiration, increased pulse rate and hypotension.

Symptoms usually disappear after a short while but may last up to 24 hours in extreme cases. Symptoms are increased by the consumption of alcohol.

FIRST AID TREATMENT:

General advice: If exposed or concerned, get medical advice.

INGESTION: Rinse mouth. Do NOT induce vomiting.

SKIN CONTACT: (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water.

If skin irritation or rash occurs: Get medical advice/attention.

INHALATION: Remove person to fresh air and keep comfortable for breathing.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so – continue rinsing.

NOTE TO PHYSICIAN:

No known antidote. Treat symptomatically.

DIRECTIONS FOR USE: Use only as directed.

Apply as a direct spray with complete coverage of buds where rest breaking is sought. Where applicable, apply after pruning.

COMPATIBILITY: DEURBRAAK is not compatible with insecticides or fungicides and should not be used in tank mixes with these products.

MIXING INSTRUCTIONS:

1. Make up solutions as indicated below by half filling the spray tank, with clean water then start agitation and add the required amount of DEURBRAAK. Fill with water to the required volume.
2. Use a hand gun or a knapsack sprayer equipped with D4 nozzles and 45 whirlplates. Spray at low pressure (<100 kPa).
3. For bearing trees, volumes of water should be determined by the tree row volume formula.

Apples: Volumes should not exceed 1 000ℓ/ha.

Apricots and Plums: Volumes should not exceed 750ℓ/ha.

Notes:

- i) Do not apply by brush, hand spray or sponge as this may lead to erratic results as well as uneven application.
- ii) Do not leave spray mixture to stand overnight.

CROP	DOSAGE/100ℓ WATER	REMARKS
TABLE AND WINE GRAPES (All cultivars) More even and increase in budding	5ℓ	Apply after pruning. Apply 3 to 4 weeks and not later than 2 weeks before normal bud burst. Sultanas: Do not apply later than 6 weeks before normal budding. <u>Notes:</u> 1. Do not use DEURBRAAK for accelerated budbreak where frost or a cold spell will damage young shoots or flowering. 2. Inconsistent results are possible where conditions do not favour delayed foliation.
SULTANAS Advancement of budding	5ℓ	
APPLES 1 to 3 years More even and increase in budding	4ℓ	Apply approximately between 1 to 10 September.
Bearing Trees (Golden Delicious, Granny Smith, Royal Gala and Stark) more even and increase in budding	4ℓ	Apply 4 to 5 weeks prior to normal budburst. <u>Note:</u> Shoot damage may occur on young apples suffering from abnormal stress, as well as one year old shoots.
	or 0.5ℓ + 2ℓ winter oil	Apply 4 to 5 weeks before normal budburst.
PEARS Non-bearing trees	1ℓ Plus 2 - 4ℓ winter oil	Apply during the approximate period 20 to 30 August or 2 to 4 weeks before the expected bud burst.
Bearing trees (See the list of cultivars)	0.5ℓ Plus 2 - 4ℓ winter oil	Apply 4 to 6 weeks before the expected full bloom taking into account any unusually low cold units where applications must only be made at the first signs of knobs on the buds. NB: Variable results are possible on trees that are abnormally stressed during application.
APRICOTS Bearing trees More even and increase in budding	1.5ℓ	Apply 4 to 5 weeks before normal budburst.
PLUMS Bearing trees More even and increase in budding	1.5ℓ	Apply 4 to 5 weeks before normal budburst or 5 to 6 weeks before full budding.
KIWI FRUIT For a more even and increased bud	5ℓ	Apply after pruning 4 to 5 weeks before normal bone.

DEURBRAAK CAN BE USED ON THE FOLLOWING CULTIVARS:

Apples:	1 – 3 years	Pink Lady, Granny Smith, Braeburn, Royal Gala, Golden Delicious, Topred, Smoothee, Starking.
Apples:	Bearing Trees	Pink Lady, Golden Delicious, Granny Smith, Royal Gala, Starking, Fuji.
Pears:		Packhams Triumph, Bon Chretien, Deyenne Du Comice, Beurre Bosc, Flamigo and Rosemary.
Apricots:		Bulida, Imperial, Peeka, Royal.
Plums:		Simka, Songold, Casselman, Redgold, Eldorado, Santa Rosa, Reubenel, Gaviota, Leatitia.
Grapes:	Table	Waltham Cross, Barlinka, Dan Ben Hannah, Alphonse Lavalle, Sultanina.
Grapes:	Wine	Muscat d' Alexandrie, Chenin Blanc, Colombar, Riesling (Cape), Cinsaut, Cabernet Sauvignon, Chardonnay, Shiraz, Sauvignon Blanc, Zinfandel, Weisser Riesling.