

Read the label before opening the container.

For full particulars, see enclosed leaflet.

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

# GIBB LIQUID 4

South Africa Reg. No: L6174 Act No. 36 of 1947

**PLANT GROWTH REGULATOR**

A liquid, soluble concentrate, plant growth hormone for improved sprouting of potato tubers, delayed maturing of lemons, extension of hanging period of grapefruit, reduced creasing incidents in navels, improved fruitset in Clementines and improved bunch quality of table and raisin grapes

**ACTIVE INGREDIENT:**

Gibberellic acid ( $GA_3$ ) (gibberellins)..... 32g/ℓ

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

## HAZARD STATEMENTS

- Highly flammable liquid and vapour.
- Causes serious eye irritation.

## PRECAUTIONARY STATEMENTS

- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- Dispose of contents/container in accordance with local/regional/national regulations.



**enviro**  
bio-chem

**Registration holder: RT Chemicals C.C.**

Co. Reg. No: CK87/21925/23

44 Kerk Street, Lichtenburg NW, South-Africa

Tel: +27 18 285 1291 | Fax: +27 86 541 7948

Web: www.envirobiochem.co.za

Expiry Date:

Batch No:

Date of Manufacture:

**UN No. 1993**

## **WARNINGS:**

- Highly flammable liquid and vapour.
- Causes serious eye irritation.
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **FLAMMABLE** - Do not store or handle near open flame.
- Avoid
  - use with chlorinated water;
  - water warmer than 25 °C.
- Do not use on Sultanas that are to be dried.
- Not compatible with oil or alkaline mixtures.
- Use only with water with a pH range between 4.0 to 7.5.

**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 pest 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 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:**

- Wash hands, forearms, and face thoroughly after handling.
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.
- Store in a well-ventilated place. Keep cool.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- 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.

## **RELEVANT SUBSTANCES:**

Gibberelic acid 4%  
Ethanol <95%

## **FIRST AID TREATMENT:**

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

**INGESTION:** Do not induce vomiting. Consult a physician and get medical attention immediately.

**SKIN CONTACT:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice/attention.

**DIRECTIONS FOR USE:** Use only as directed.**Mixing instructions:**

Add the required amount of **GIBB LIQUID 4** and other additions directly to the spray or mixing tank and ensure adequate agitation. Where mixtures with 2.4-D are recommended, use either 2.4-D amine or iso-octyl ester formulations.

CROP	DOSAGE PER 100ℓ WATER	REMARKS
<b>POTATOES</b> To improve sprouting of tubers	16mℓ (5ppm)	Dip tuber for 10 minutes. Leave to dry in a cool place. Plant as soon as eye movement is observed. Change solution after dipping 500 - 550kg of tubers. Do not dip cut tubers in this solution.
• Uncut tubers		
• Cut tubers	3.2mℓ (1ppm)	Apply as above after cutting. Change solution after dipping 500 - 550kg of tubers. Do not dip uncut tubers in this solution.
<b>LEMONS</b> Delayed maturity and fewer pickings	32mℓ plus 2mℓ 2.4-D Isco-octyl ester	Apply as a full cover spray 6 - 8 weeks prior to normal picking. Do not apply to orchards where: • black spot is not well controlled; • there is a high incidence of wind scar and thrip markings; • trees are suffering from root diseases, drought stress or are generally neglected. Do not allow trees to go into severe wilt.
<b>GRAPEFRUIT</b> Extension of on the tree storage	32mℓ plus 2mℓ 2.4-D Isco-octyl ester	Apply as a full cover spray at colour break or up to 3 weeks after colour break. Do not apply to orchards as indicated above for lemons. Do not over irrigate grapefruit trees intended for late hanging. Do not allow trees to go into severe wilt.
<b>NAVELS</b> To reduce creasing incidence	32mℓ	Apply as a full cover spray when fruit diameter is 30 - 40mm in January but not later than the last week of January. Do not apply to orchards as indicated above for lemons. Do not allow trees to go into severe wilt.
<b>MANDERINES (Naartje)</b> <b>CLEMENTINES</b> To improve fruitset	32mℓ	Apply as a full cover spray from 65% petal drop to 4 weeks after 100% petal drop. Do not apply to orchards as indicated above for lemons. Do not allow trees to go into severe wilt.
<b>FORELLE PEARS</b> To improve fruitset	32mℓ (10ppm)	Apply as a full cover spray at 30 - 40% flowering. Normal hand thinning must follow 14 days later.
<b>SULTANINA (Seedless)</b> Berry thinning (1)	32mℓ (10ppm)	<b>First application</b> when 50% capfall has occurred in at least half of all bunches (half of all bunches are 50% in bloom).
Berry thinning (2)	32mℓ (10ppm)	<b>Second application</b> when 80% of capfall has occurred in at least half of all the bunches (half of all the bunches are at least 80% in bloom).

CROP	DOSAGE PER 100ℓ WATER	REMARKS
To enlarge berries • Lower Orange River Area	96mℓ (30ppm)	<u>First application</u> when berries have set and 50% are 4 - 5mm in diameter.  <u>Second application</u> when 75% of berries are 4 - 5mm in diameter.
	96mℓ (30ppm)	<u>Third application</u> when 100% of berries are 4 - 5mm in diameter.
• All other areas	96mℓ (30ppm)	Apply when berries have set and are 5mm in diameter.
<b>VALENCIA ORANGES</b> 1. To reduce rind creasing on all root stock	64mℓ (20ppm)	<b>NOTE:</b> 1. Apply as a full cover spray. 2. Apply only to healthy trees. Apply in January but not later than the last week in January.
2. To reduce rind creasing on all root stocks	32mℓ (10ppm)	Apply after fruit has developed full yellow colour. Do not apply before mid-June. Apply only where thrip blemish and wind scarring in less than 20%.
3. To reduce rind creasing in fruit	16mℓ (5ppm)	Apply when the fruit has developed a light greenish colour. Do not apply before mid-June.