

SHAKE THE BOTTLE WELL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

falgro[®] 4 SL

A WATER-SOLUBLE LIQUID PLANT
GROWTH HORMONE FOR THE
PROMOTION OF CERTAIN
PHYSIOLOGICAL AND MORPHOLOGICAL
EFFECTS AS INDICATED ON SPECIFIC CROPS.

4:29/7/2022-Oct2022

REG. NO L 6393 / N-AR 1229 ACT NO.36 OF 1947

ACTIVE INGREDIENT

GIBBERELIC ACID 32 G/l

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre +27 82 446 8946

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)



WARNING

Hazard statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statements:

Keep away from heat, hot surfaces, sparks,
open flames and other ignition sources.

No smoking. Wash hands and face thoroughly
after handling. Do not touch eyes.

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

UN NUMBER: 1993

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DISTRIBUTED BY /



REGISTRATION HOLDER
UNIVERSAL CROP PROTECTION (PTY) LTD.
CO. REG. NO. 1983/008184/07
MPY. REG. NR. P.O.BOX / POSBUS 801
KEMPTON PARK, 1620
TEL. (011) 396 2233
WEBSITE: WWW.VILLACROP.CO.ZA

BATCH NUMBER /

DATE FORMULATED /

NET VOLUME:

5l

FAL4SL/5/ZA/23

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For full particulars, see enclosed leaflet.

FALGRO® 4 SL

Reg. No. L 6393 / N-AR 1229 Act No. 36 of 1947

ACTIVE INGREDIENT:

gibberellic acid 32 g/l

Registration holder:

UNIVERSAL CROP PROTECTION. (PTY) LTD.

Co. Reg. No. 1983/008184/07

P.O. Box 801, KEMPTON PARK, 1620, Tel. (011) 396 2233

WARNINGS**Hazard statements:**

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

- Handle the product with care.
- Store in a cool, dry, well-ventilated place.
- Store away from food, feeds, seed, fertilizers and other agricultural remedies.
- 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.

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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, as well as by the method, time and accuracy of application. The registration holder further 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 instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS**Precautionary statements:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take action to prevent static discharges.
Avoid breathing mist, vapours and spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Use only outdoors in a well-ventilated area.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical help if you feel unwell.
If eye irritation persists: Get medical help.
In case of fire: Use carbon dioxide, dry powder, water mist, fog or foam to extinguish.
Store in a well-ventilated place. Keep tightly closed and cool.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Do not allow drift of spray on to other crops, grazing, rivers, dams or areas not under treatment.
- Clean the applicator and dipping bath after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter

rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Gibberellic acid	40 g/l
Isopropanol	> 900 g/l

SYMPTOMS OF HUMAN POISONING

Causes serious eye irritation.

FIRST AID TREATMENT

- Skin contact: Remove contaminated clothing and wash before re-using. Flush skin with water. Seek medical attention if skin irritation persists.
- Eye contact: Flush eyes with clean water for 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses and continue rinsing for another five (5) minutes. Seek medical attention if irritation persists.
- Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
- Ingestion: Do not give liquids or induce vomiting. Seek medical advice.

NOTE TO PHYSICIAN

Treat symptomatically and supportively.

Mode of action:

FALGRO® 4 SL is a naturally occurring systemic plant growth regulator. It stimulates both cell division and cell elongation and has been used to manipulate flowering and fruit development in selected horticultural crops.

USE RESTRICTIONS

- **THE APPLICATION OF GIBBERELIC ACID TO CERTAIN CITRUS CULTIVARS, SUCH AS TURKEY VALENCIA AND BHIAHINNIA NAVEL, MAY CAUSE PHYTOTOXICITY.**
- **Do not** apply **2,4-D Ester** in **citrus** destined for export, before consulting the export guidelines.
- **Do not** use **FALGRO® 4 SL** on **Sultanas**, which are to be dried.
- **Do not** apply to **vines**, which are suffering from drought.

DIRECTIONS FOR USE: Use only as directed.

- **Gibberellic acid** performs most effectively when the spray/dip solution pH is 5.5 to 6.5. Higher pH values may impair product performance, whilst lower pH values may affect the crop negatively. It is recommended that the spray/dip solution be buffered if the pH is outside 5.5 to 6.5.
- Environmental factors influence the efficacy of **Gibberellic acid**.
- Water stress and heat waves can have negative influences.
- It is recommended that soil water conditions should be at field capacity, during application.
- Applications should be early in the morning or late in the afternoon. Do not apply during the heat of the day.

Compatibility:

- Compatible with most normal spray materials, except for mineral oils and alkaline mixtures like Bordeaux mixture and Lime Sulphur.
- **Do not** use chlorinated water.
- **Do not** apply with other agricultural chemicals, not indicated on this label.
- Citrus: If a summer oil has been sprayed on citrus, a minimum of 14 days must elapse before **FALGRO® 4 SL** may be applied. An oil may be applied 5 to 10 days after a **FALGRO® 4 SL** application.

Mixing Instructions:

- Half fill the spray tank or dipping bath with clean water.
- Add the required amount of **FALGRO® 4 SL** to the water while stirring.
- Fill the spray tank/dipping bath with water to the required level, while maintaining agitation, to ensure thorough mixing.
- Ensure the pH of the spray/dip solution is between 5.5 and 6.5. If not, add the suitable buffering agent to the solution, before using.
- Maintain agitation during application.
- **IMPORTANT NOTE**
FALGRO® 4 SL is not very stable in water and spray mixtures should definitely not be left overnight.

APPLICATION RATES

Crop / Use	Dosage Rate	Remarks
Grapes	Sultana Grapes: Apply in 1300 to 1800 litres water per hectare. Ensure thorough wetting of bunches and enclosing leaves. Care must be taken with wetting agents, as russetting can occur. Both spray and dip methods can be applied. The correct timing of the application is critical for the success of the treatment.	
Sultanas (seedless) Berry thinning (1)	32 ml / 100 ℓ water	First application: When 50 % capfall has occurred in at least half of all bunches (half of all the bunches are 50 % in bloom).
Berry thinning (2)	32 ml / 100 ℓ water	Second application: When 80 % capfall has occurred in at least half of all the bunches (half of all the bunches are 80 % in bloom).
Lower Orange River area To enlarge berries	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	First application: Apply when berries have set and 50 % are ± 4 to 5 mm in diameter.
	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	Second application: Apply when 75 % of berries are ± 4 to 5 mm in diameter.
	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	Third application: Apply when 100 % of berries are ± 4 to 5 mm in diameter.
All other areas To enlarge berries	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	First application: Apply when berries have set and are 5 mm in diameter.
	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	Second application: Apply 7 days after first application. (Application must not occur later than the pea-berry stage).
Waltham Cross Increase berry size and obtain a more even size berry	16 ml / 100 ℓ water PLUS a non-ionic wetting agent	Apply when Waltham Cross berries are 4 to 5 mm in diameter. Fill a container, which is large enough to hold one bunch with FALGRO® 4 SL solution and dip the entire bunch. Ensure that all berries are well wetted.
Flame Seedless Lower Orange River area Berry thinning	16 ml / 100 ℓ water	Flame Seedless has naturally straggly bunches and therefore thinning may not be required in some instances. Apply during flowering when 80 % in full bloom.
Flame Seedless Lower Orange River area To enlarge berries (1) To enlarge berries (2)	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	First Application: Apply when berries are ± 7 to 8 mm in diameter.
	96 ml / 100 ℓ water PLUS a non-ionic wetting agent	Second Application: Apply when berries are ± 8 to 9 mm in diameter.

Crop / Use	Dosage Rate	Remarks
Hops To improve yield by enhancing growth in spring and for a shorter and more even hop training period	32 ml / 100 l water PLUS a non-ionic wetting agent	Apply as a full cover spray during early spring; during September to middle October.
Mangoes To inhibit flowering of young trees	320 ml / 100 l water PLUS a non-ionic wetting agent	Before FALGRO® 4 SL is applied, break off all flower panicles. Apply as a full cover spray during the last week of July or during the first week of August.
Forelle Pears To improve fruit set	32 ml / 100 l water	Apply as a full cover spray at 30 to 40 % flowering. Follow up with normal hand thinning 14 days after application.
Citrus	<ul style="list-style-type: none"> • Apply as a full cover spray. Do not apply to orchards where black spot has not been well controlled or where there is a high incidence of wind scar and thrip markings. Do not apply to trees suffering from root disease or generally neglected trees. Do not allow trees to go into severe wilt. • If a summer oil has been sprayed on citrus, a minimum of 14 days must elapse before FALGRO® 4 SL may be applied. An oil may be applied 5 to 10 days after a FALGRO® 4 SL application. • Do not apply 2,4-D Ester to citrus destined for export, before consulting the export guidelines. 	
Clementines To increase fruit set	8 ml to 32 ml / 100 l water PLUS a non-ionic wetting agent	Apply as a full cover spray from 65 to 75 % petal drop to 4 weeks after 100 % petal drop. With later applications applied, less influence on the fruit set reaction can be expected. The history of an orchard will influence FALGRO® 4 SL applications. Decide on the yield/fruit size balance before application. An excessive quantity of fruit will result in small fruit and induce alternate bearing. Get technical advice before applications are performed.
Navels & seedless Valencia's, Mandarins To increase fruit set	32 ml / 100 l water PLUS a non-ionic wetting agent	WARNING DO NOT SPRAY FALGRO® 4 SL ON TURKEY VALENCIAS. Refer to "USE RESTRICTIONS" above. Apply as a full cover spray from 75 % petal drop to 100 % petal drop. Less influence on the fruit set reaction can be expected with later applications. The history of an orchard will influence FALGRO® 4 SL applications. Decide on the yield/fruit size balance before application. An excessive quantity of fruit will result in small fruit and induce alternate bearing. A follow-up spray with CORASIL P® (L 8441) may be required to increase fruit size. Get technical advice before applications with FALGRO® 4 SL or Corasil P® are performed.

Crop / Use	Dosage Rate	Remarks
Citrus (continue) Grapefruit Extension of on-tree storage period (delay of harvesting), larger and firmer fruit	32 ml / 100 l water PLUS 2 ml 2,4-D Ester PLUS a non-ionic wetting agent	Apply as a full cover spray at colour break-transparency (colour T5) or up to 3 weeks after colour break. Do not apply before colour break. Apply only to healthy trees where black spot and thrips are under control and no excessive wind scar occurs. The average fruit size must not be too large. The average diameter should exceed 89 mm at the time of spraying. Do not over-irrigate grapefruit trees intended for hanging.
Lemons To delay maturity (harvesting) thus to protect the crop during the decay prone period, fewer pickings and for larger fruits	32 ml / 100 l water PLUS 2 ml 2,4-D Ester PLUS a non-ionic wetting agent	Apply as a full cover spray 5 to 8 weeks before normal picking starts. Apply only to trees free of black spot or other blemishes.
Navels To reduce rind creasing in Navel oranges on Trifoliolate or Trifoliolate hybrid rootstock	64 ml / 100 l water PLUS a non-ionic wetting agent	Apply as a full cover spray in January to February but not later than the last week of February. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.
To reduce rind creasing in Navel Oranges on Rough lemon rootstock	32 ml / 100 l water PLUS a non-ionic wetting agent	Apply as a full cover spray in January to February but not later than the last week of February. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.
	OR 32 ml / 100 l water PLUS 2 ml 2,4-D Ester PLUS a non-ionic wetting agent	OR Apply as a full cover spray in May after full yellow colour has developed (minimum colour T3). Follow this treatment up with a 1 % urea (low biuret) at bud break, to avoid reduced flowering in the new season. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.
Valencia Oranges To reduce rind creasing in Valencia oranges on all rootstocks	64 ml / 100 l water PLUS a non-ionic wetting agent	Apply as a full cover spray in January to February but not later than the last week of February. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.
	OR 32 ml / 100 l water PLUS a non-ionic wetting agent	OR Apply as a full cover spray after the fruit has developed a full yellow colour (minimum colour T3). Do not apply before middle June. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.
	OR 16 ml / 100 l water PLUS a non-ionic wetting agent	OR Apply as a full cover spray when the fruit has developed a light greenish colour (T5 to T4, minimum colour T5). Do not apply before middle June. Apply only to healthy trees where thrip blemish and wind scars do not exceed 20 % cull on the total crop.

Crop / Use	Dosage Rate	Remarks
Potatoes Uncut tubers To improve sprouting of potato tubers	Winter planting areas only. Variable results occur in the summer rainfall regions. 16 ml / 100 l water	Dip tubers for a period of 10 minutes in FALGRO® 4 SL solution. Leave in a cool dry place and allow tubers to dry. Plant as soon as first eye movement is observed. Change to a fresh solution after dipping sufficient tubers for planting one hectare. Do not dip cut tubers in this solution, as the result will be unsatisfactory.
Cut tubers To improve sprouting of potato tubers	32 ml / 1000 l water	Dip tubers for a period of 10 minutes in solution after cutting. Leave in a cool dry place and allow tubers to dry. Plant as soon as first eye movement is observed. Change to a fresh solution after dipping sufficient tubers for planting one hectare. Do not dip uncut tubers in this solution, as results will be unsatisfactory.

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