

falgro[®] 4 SL

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

'N WATEROPLOSBARE VLOEISTOF PLANT-GROEIHORMOON VIR DIE BEVORDERING VAN SEKERE FISILOGIESE EN MORFOLOGIESE EFFEKTE SOOS AANGEDUI OP SPESIFIEKE GEWASSE.

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

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:

GIBBERELIC ACID / GIBBERELLIENSUUR 32 G/l

UN NUMBER: 1993

MANUFACTURED BY /
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BATCH NUMBER /
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FAL4SL/SA/17

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CAUTION
VERSIGTIG



Vir volledige besonderhede, sien ingeslote pamflet.
For full particulars, see enclosed leaflet.

FALGRO® 4 SL

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

ACTIVE INGREDIENT/ AKTIEWE BESTANDDEEL:

gibberellic acid / gibberelliensuur 32 g/l

Registration holder / Registrasiehouer:

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

CAUTION / VERSIGTIG**WARNINGS**

- Handle the product with care.
- May cause mild skin irritation and severe eye irritation.
- Harmful when swallowed.
- Store in a cool, dry, well-ventilated place.
- Store away from food, feeds, seed, fertilizers and other agricultural remedies.
- **Flammable** – do not store near open flames.
- 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

- Do not inhale the spray mist.
- Avoid contact with skin and eyes.
- Wash with soap and water after use and after accidental skin contact.
- In case of eye contact, immediately flush the eyes with clean, cold water for 15 to 20 minutes, holding the eyelid(s) open. If irritation persists, seek medical advice.
- 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** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- 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.

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 \pm 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 \pm 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 \pm 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)	96 ml / 100 l water PLUS a non-ionic wetting agent	First Application: Apply when berries are \pm 7 to 8 mm in diameter.
To enlarge berries (2)	96 ml / 100 l water PLUS a non-ionic wetting agent	Second Application: Apply when berries are \pm 8 to 9 mm in diameter.
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.

Crop / Use	Dosage Rate	Remarks
<p>Potatoes Uncut tubers To improve sprouting of potato tubers</p>	<p>Winter planting areas only. Variable results occur in the summer rainfall regions.</p> <p>16 ml / 100 ℓ water</p>	<p>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.</p> <p>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.</p>
<p>Cut tubers To improve sprouting of potato tubers</p>	<p>32 ml / 1000 ℓ water</p>	<p>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.</p> <p>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.</p>
<p>Forelle Pears To improve fruit set</p>	<p>32 ml / 100 ℓ water</p>	<p>Apply as a full cover spray at 30 to 40 % flowering. Follow up with normal hand thinning 14 days after application.</p>
<p>Citrus</p>		<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.
<p>Clementines To increase fruit set</p>	<p>8 ml to 32 ml / 100 ℓ water PLUS a non-ionic wetting agent</p>	<p>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.</p>
<p>Navels & seedless Valencias, Mandarins To increase fruit set</p>	<p>32 ml / 100 ℓ water PLUS a non-ionic wetting agent</p>	<p>WARNING DO NOT SPRAY FALGRO® 4 SL ON TURKEY VALENCIAS. Refer to “USE RESTRICTIONS” above.</p> <p>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.</p>

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 Trifoliata or Trifoliata 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.

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