falgro® 4L

PLANT GROWTH REGULATOR SOLUTION

Active Ingredient:	
Gibberellic Acid (A_3)	4.0%
Other Ingredients:	96.0%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

FLAMMABLE

Keep away from heat and open flame

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

Net contents: 1 Gallon (3.78 L)

EPA Reg. No. 62097-2-82917
EPA Est. No. 39578-TX-001

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 (National Pesticide Information Center) for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before re-use.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear:

- Protective eyewear
- Coveralls worn over short-sleeved shirt and short pants
- Shoes plus socks
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

FLAMMABLE – Keep away from heat and open flame. FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval level (REI) of 4 hours unless wearing appropriate PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as, plants, soil or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Shoes plus socks
- Protective eyewear
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter treated areas without appropriate protective clothing until sprays have dried.

GENERAL INFORMATION

- Use only as directed. Read thoroughly and understand the label before making applications.
- The term 'grams of active ingredient per acre' is represented by 'g ai/acre' throughout this product label. See Conversion Table at end of Directions for Use section.
- Thoroughly spray all parts of the plant or crop to obtain the desired result.
- Prepare solution concentrations by mixing the required amount of product with water only in a clean empty spray tank.
- Dispose of any unused spray material at the end of the day. Refer to the Storage and Disposal section of this label for pesticide disposal instruction.
- When a range of rates is indicated, consult your local experimental station, distributor, or agricultural extension agent for the best program suited to your local conditions.
- Ensure that the pH of the water is less than 8.5.
- Absorption of FALGRO 4L into the plant is greatest under slow drying conditions. Night-time applications will be more effective when day-time conditions cause rapid drying. Re-apply FALGRO 4L if significant rain occurs within 2 hours of application.
- FALGRO 4L has a 0-day pre harvest interval (PHI).
- Do not apply using ULV application methods. For aerial applications spray volumes must be greater than 2 gallons per acre (10 gallons per acre for tree crops).
- Consult your local experimental station, distributor, or agricultural extension agent regarding the compatibility of gibberellic acid with other compounds.

SPRAYING GUIDE FOR GRAPES

Application to grapes is best made by ground sprayer. Spray volume, quality and direction are chosen to ensure thorough wetting of all flower clusters and berries.

TABLE GRAPES

Application of FALGRO 4L for 'Stretch' produces looser cluster forms, allows better air circulation to aid in the control of bunch rot, increases light penetration to aid in sugar development and reduces the cost of thinning.

Application of FALGRO 4L for 'Thinning' (decreased berry set) reduces hand thinning costs and hastens maturity.

Application of FALGRO 4L for 'Sizing' produces larger berries and clusters when used in conjunction with girdling and thinning techniques.

Table 1 – Application rates and timing for table grapes

	'Stretch'		'Thinning'		'Sizing'		
Seedless Varieties	**Rate g ai/A**	**Timing**	**Rate g ai/A[1]**	**Timing**	**Rate g ai/A**	**Timing**	**Target Diameter**
Thompson	8-24	1-3 sprays before bloom. Flower clusters 2-7 inches long.	8-20	1-4 sprays during bloom. If bloom is extended apply 2nd application 1-7 days after the 1st application.	32-128	1-4 sprays starting at these berry sizes. All applications to be made within 14 days.	3-5 mm
Flame	8-24		3-16		20-128		6-9 mm
Perlette	8-24		[2]		32-128		4-5 mm
Raisin	8-24		3-12		4-20		3-5 mm
Others	[2]		0.5-12		8-60		3-14 mm
Black Corinth (Zante Currant)				[2]	1-12	One application 3-5 days after full bloom but before shatter begins.	
Seeded Varieties[2]					**'Sizing' 'Reduced Berry Shrivel' in Emperor**		
Calmeria					20[3]	1 spray 14 days after shatter. Berry diameters of approx. 10-15 mm. May increase berry size.	12-16 mm
Christmas Rose							12-16 mm
Emperor							12-16 mm
Red Globe							12-18 mm
Rogue							12-16 mm
Queens							12-15 mm

[1] High doses can cause over-thinning or an excess of 'shot' berries, especially on young or vigorous vines.
[2] Conduct trials with small numbers of plants using recommended rates to determine the optimum rates for the situation before applying to the crop.
[3] A rate of 40-50 ppm/ai is used when dipping **or** spraying the cluster directly.

BUMP SPRAY (Thompson Seedless)
Application of FALGRO 4L helps initiate the beginning of the berry growth period. Apply 16-24 g ai/acre during the period between the last thinning spray and the first sizing spray.

WINE GRAPES
Application of FALGRO 4L increases cluster length and improves air circulation and light penetration within the cluster. Under certain conditions this application may help reduce the incidence of bunch rot and sour rot.

Make a single spray application. The application of gibberellic acid on seeded wine grape cultivars will likely cause some reduction in yield. Yield reduction may result from an increase in shot berries in the year of application, and/or a reduction in fruitfulness in the first and second year following the application.

Table 2 – Application rates and timing for wine grapes

Variety	**Rate g ai/A**	**Timing**
Palomino Sauvignon Blanc Tinta Madeira	0.4-1	1 spray when average flower cluster length is 3-4 inches. Do not make application less than three weeks before full bloom. Use is based on 100 gallons of water per acre.
Aleatico Carignane Chardonnay Chenin Blanc French Colombard Pinot Noir Valdepenas	1-2	
Barbera Petite Sirah Zinfandel	2-4	
Green Hungarian	4-8	
Grenache Alicante	8	
Salvadore	8-16	

SPRAYING GUIDE FOR CITRUS

Spray volume, quality and direction are chosen to ensure thorough wetting of all fruit. Do not exceed maximum application rates. Do not apply to trees of low vigor or suffering stress of any kind as this can cause severe fruit and/or leaf drop. Some drop of older leaves may occur after application of gibberellic acid. Never tank mix FALGRO 4L with materials creating a high pH in the tank, e.g., white wash. The use of copper fungicides and/or oils within three weeks of a FALGRO 4L application may result in significant leaf and/or fruit drop.

GRAPEFRUIT (All approved states except California)

All Grapefruit Varieties Except *Star Ruby:*

To delay rind ageing and prevent pre-harvest drop of mature fruit and increases peel strength: Spray 16 to 56 g ai/acre as a dilute spray in a minimum of 250 gallons of water per acre. Ensure thorough wetting. Application of FALGRO 4L also reduces water loss during storage and can be used to manage harvest timing.

Early spray (Before color change)
Make one application 14 days before color break (usually August to September). Application at this timing produces the greatest delay in rind ageing and the firmest rind possible.

Late spray (After color break)
Make one application after marketable color has developed (usually October to December). Late application may cause some re-greening of the fruit.

Do not apply to areas that are destined to be harvested early as treatment will delay color change. Application after coloring will cause fruit to re-green if left on the tree for an extended period of time. Avoid applications after December or after trees break dormancy in order to avoid adversely affecting the next crop. Be aware that the efficacy of treatment varies from season to season, depending on environmental conditions.

To enhance fruit set and yield: Make one application December – January of 15 to 25 g ai/acre as a dilute spray of 125-175 gallons of water per acre with a pure organo-silicone type surfactant at a concentration of 0.05% (6 fl. oz./100 gallons).

Grapefruit - Star Ruby Variety:

To reduce early fruit drop: Make one application of 25 to 35 g ai/acre as a dilute spray in a minimum of 250 gallons of water per acre during bloom. Be aware that the efficacy of treatment varies from season to season, depending on environmental conditions. An appropriate fertilizer and watering program must be maintained.

To enhance fruit set and yield: Make one application December – January of 15 to 25 g ai/acre as a dilute spray of 125-175 gallons of water per acre with a pure organo-silicone type surfactant at a concentration of 0.05% (6 fl. oz./100 gallons).

LEMONS & LIMES

Application of FALGRO 4L decreases the amount of small tree ripe fruit and can be used to manage harvest timing. Make one application of 10 to 32 g ai/acre as a dilute spray or concentrate, ensuring thorough spray coverage, when the target crop is 1/2 - 3/4 full size and still green.

Application of FALGRO 4L is cumulative so that when applied for two years in succession a larger difference in maturity and harvest pattern occurs.

NAVEL ORANGES

To reduce rind disorders (e.g. rind staining, water spotting, sticky surface, puffy rind and pressure rupture), ageing and to manage harvest timing: Apply 16 to 48 g ai/acre as a dilute spray or concentrate ensuring thorough spray coverage. To avoid the possibility of reduced yield in the following season, do not spray Navel oranges from January to July. Do not apply to areas that are destined to be harvested early as treatment will delay color change.

Early spray (Before color change)
Make one application 14 days before color break (usually August to November). Application at this timing produces the greatest delay in rind ageing and the firmest rind possible.

Late spray (After color break)
Make one application after marketable color has developed (usually October to December). Late application may cause some re-greening of the fruit.

To enhance fruit set and yield (Florida use only): Make one application December – January of 15 to 25 g ai/acre as a dilute spray of 125-175 gallons of water per acre with a pure organo-silicone type surfactant at a concentration of 0.05% (6 fl. oz./100 gallons).

TANGERINE HYBRIDS

To enhance fruit set and yield: Application of FALGRO 4L increases fruit set and yields in hybrids with pollination problems such as Minneola, Orlando, Robinson and Sunburst.

Make one application of 8 to 30 g ai/acre as a dilute spray during full bloom ensuring all foliage is wetted. A reduction in fruit size, retardation of color development and a slight increase in the drop of mature leaves may occur with this type of treatment.

To reduce rind disorders: Application of FALGRO 4L delays rind ageing and increases peel strength in hybrids such as Minneola, Orlando, Robinson and Sunburst.

Make one application of 20 to 40 g ai/acre as a dilute spray 14 days before color break in sufficient water to ensure thorough spray coverage.

Do not apply to areas that are destined to be harvested early as treatment will delay color change. To avoid pre-harvest staining, do not apply after coloring. Variations in rind color development can occur if applications are made during coloring.

VALENCIA ORANGES (All approved states) & OTHER ROUND ORANGES (All approved states except California)

To delay rind ageing and softening: Make one application of 40 to 80 g ai/acre as a dilute spray or concentrate in August to October.

This application is expected to delay color development and re-green any mature fruit present at application. After marketable color has been achieved, beneficial treatment affects will be reduced the longer the fruit remains on the tree.

To enhance fruit set and yield (Florida use only): Make one application December – January of 15 to 25 g ai/acre as a dilute spray of 125-175 gallons of water per acre with a pure organo-silicone type surfactant at a concentration of 0.05% (6 fl. oz./100 gallons).

OTHER CITRUS

CLEMENTINE MANDARIN – To increase fruit set and yield, make one to two applications of 1 to 40 g ai/acre as

a dilute spray from 50% petal fall up to 3 weeks after petal fall. Ensure thorough spray coverage of tree canopy.

Do not exceed 40 g ai/acre/season.

AMBERSWEET (Florida use only) – Make one application in January of 15 to 25 g ai/acre as a dilute spray of 125-175 gallons of water per acre with a pure organo-silicone type surfactant at a concentration of 0.05% (6 fl. oz./100 gallons).

POSTHARVEST APPLICATIONS FOR CITRUS

LEMONS – When applied post-harvest to lemons, FALGRO 4L extends storage life through the delay of fruit senescence. This benefits the fruit through a reduction in the incidence of infection with the sour rot pathogen *Geotrichum candidum*. Apply 50 to 100 ppm ai or add 2-4 fluid oz. of product in 10 gallons of storage wax diluted as per wax label instructions.

YELLOW LEMONS AND OTHER MATURE CITRUS – Postharvest application of FALGRO 4L to yellow lemons and other mature citrus fruit delays rind senescence and color changes thereby extending storage times. Apply 50 to 100 ppm ai or add 2-4 fluid oz. of product to 10 gallons of storage wax diluted as per wax label instructions.

SPRAYING GUIDE FOR OTHER FRUIT CROPS

BANANAS

Application of FALGRO 4L stimulates fruit growth when plant is stressed due to insect or disease pressure or adverse weather conditions. Make one application of 1 to 6 g ai/acre of FALGRO 4L by air or ground every 30 to 90 days throughout the year. Monthly applications can be made up to 6 months prior in anticipated weather stress periods.

BLUEBERRIES (All approved states except California)

Application of FALGRO 4L improves fruit set when natural fruit set is poor due to reduced honeybee activity, adverse weather conditions or physiological factors.

Highbush blueberry (varieties such as Berkley, Bluecrop, Blueray, Concord, Coville, Earliblue, Jersey, Stanley, Walcott, Weymouth, and 1316A).

Make EITHER a single application of 80 g ai/acre in 40 to 100 gallons of water, OR two applications of 40 g ai/acre in 40 to 100 gallons of water. The single application is made at full bloom (75% of the flowers are fully open). When two applications are made, spray the first one at full bloom and the second one within 10 to 14 days. For Weymouth, application can be delayed up to two weeks after bloom to increase size of 'shot' berries.

Rabbiteye blueberry (varieties such as Aliceblue, Beckyblue, Bonita, Brightwell, Climax, Delite, Tiftblue, and Woodward).

Make EITHER a single application of 40 to 80 g ai/acre in 40 - 100 gallons of water when most of the flowers are elongated but not yet open (bloom stage 5), OR two to four applications of 20 to 40 g ai/acre in 50 - 300 gallons of water every 10 to 14 days starting at bloom stage 5. Ensure thorough spray coverage.

CHERRIES – RED TART (All approved states except California)

Application of FALGRO 4L maintains and extends high fruit bearing and reduces the occurrence of 'blind' nodes. The beneficial effect of FALGRO 4L application is not apparent until 2 – 3 years after initial application and is dependent on annually repeated applications. Make a single application 14 – 28 days after bloom when 3 – 5 terminal leaves are fully expanded or at least 1 – 3 inches of terminal growth have occurred. Apply FALGRO 4L according to the table below as a dilute spray in 100 – 150 gallons of water/acre. Lower water volumes can be used but it is extremely important not to overdose.

Table 3 – Application rates for red tart cherries

Tree age (years)	Grams ai/acre
6 – 10	4 – 6
11 – 15	8 – 10
16 – 20	10 – 14
21 +	14 – 18

These application rates are based on tree vigor. Rates must be adjusted to the vigor expressed in each orchard. Use the higher rates for trees of low vigor and the lower rates for trees of high vigor. Applications cannot overcome the effects of nutritional, water, pest, disease or other stress on trees. Excessive application will increase vegetative growth at the expense of fruit production the following year.

CHERRIES – SWEET

To produce larger, brighter colored, and firmer fruit:

SINGLE APPLICATION

Make one application of 16 to 48 g ai/acre (do not exceed a total of 48 g ai/acre) as a dilute spray on large mature trees when the fruit is light green to straw colored in sufficient water to ensure thorough wetting.

SPLIT APPLICATION

Make the first application of 8 to 24 g ai/acre when fruit is light green to straw colored. Make the second application of 8 to 24 g ai/acre 7 to 14 days later. Do not exceed a total of 48 g ai/acre.

CHERRIES – NON-BEARING SWEET AND TART (All approved states except California)

Application of FALGRO 4L reduces the flowering and fruiting of young sweet and tart cherries, minimizing the competitive effect of fruiting on tree development. Make one application of 10 to 20 g ai/acre as a dilute spray in 25 – 50 gallons per acre 2 – 4 weeks after bloom. (This rate is based on a tree density of 100 trees/acre). In conditions of low vigor, 2 applications can be made allowing at least a 7-day interval between applications.

Do not treat trees in their first year. Treat in the second season to reduce fruiting in the third season and treat again in the third season if it is necessary to reduce fruiting in the fourth. Discontinue the use of FALGRO 4L one year before commercial harvest is planned.

OTHER STONE FRUIT

Seasonal application of FALGRO 4L increases fruit firmness and improves fruit quality. Make one application of 16 to 32 g ai/acre as a dilute spray 1 – 4 weeks prior to the beginning of harvest. Use sufficient water to ensure thorough spray coverage. Applications in May through July may cause a reduction in flower counts in the year following application.

ITALIAN PRUNE

Application of FALGRO 4L reduces internal browning, increases size and improves fruit quality. Make one application of 16 to 48 g ai/acre in sufficient water to ensure thorough coverage. Apply 4-5 weeks before anticipated harvest.

NON-BEARING STONE FRUIT (All approved states except California)
Application of FALGRO 4L reduces the flowering and fruiting of young stone fruit trees, minimizing the competitive effect of fruiting on tree development. Make one application of 20-80 g ai/acre during flower bud initiation for the following years' development. Use sufficient water to ensure thorough spray coverage of the tree canopy. Do not treat trees in their first year. Treat with FALGRO 4L in the second season to reduce flowering and fruiting in the third season. Treat again in the third season if flower/fruit reduction is desired in the fourth season. Discontinue the use of FALGRO 4L one year before commercial harvest is planned.

STRAWBERRIES (All approved states except California)
Application of FALGRO 4L increases the production of runners by mother plants. Make one application of 15 to 25 g ai/acre in 100 gallons of water/acre 10 – 30 days after planting, when plants have 1 – 6 leaves. Spray to the point of run-off. For best results, do not apply to plantings after mid-May. Do not apply to fruiting plants.

CRANBERRY (All approved states except California)
Apply FALGRO 4L to decrease or eliminate fruit set in the year of application. Make one application of 10 to 50 g ai/acre at early bloom (2-5% scatter bloom) in sufficient water to ensure thorough coverage. To avoid applications having no effect or the opposite effect (increased fruit size) do not apply later than indicated.

SPRAYING GUIDE FOR VEGETABLE CROPS

ARTICHOKE

Application of FALGRO 4L accelerates maturity, allowing early harvesting. Make 1 – 3 applications of 10 to 20 g ai/acre to perennials at bud initiation. For annuals, make 1 – 4 applications at 2-week intervals, beginning at the fourth true leaf stage. Use sufficient water to ensure thorough wetting of the entire plant.

CARROTS (Fresh and Processing)
Apply FALGRO 4L to delay leaf senescence and reduce the incidence of infection by *Alternaria dauci*. Make first application of 1 to 6 g ai/acre 4 – 6 weeks after emergence using commercial ground or aerial equipment with spray concentrations of 20-30 ppm. A second application 14 days later may be required to achieve desired foliar recovery in severe disease situations or cool weather. Do not make more than two applications per crop cycle.

Dilutions of greater concentrations can increase the risk of excessive top growth, particularly with a second application.

CELERY
Application of FALGRO 4L increases plant height and yield. Use increases plant ability to overcome stress due to cold weather conditions or saline soils, and obtain earlier maturity. Make one application of 2.5 to 10 g ai/acre, 1 to 4 weeks prior to harvest. Use 25 – 50 gallons of water/acre by ground application or 5 – 10 gallons of water/acre for aerial application (except in California). Use lower concentrations if applying 3 to 4 weeks before harvest and higher concentrations within 1 to 2 weeks before harvest.

Do not apply earlier than 4 weeks before harvest as bolting can occur.

LETTUCE FOR SEED
Application of FALGRO 4L produces more uniform bolting and greater seed production. Make 1 – 4 applications of 1 to 4 g ai/acre as a dilute spray at 2-week intervals beginning at the fourth true leaf stage. Use sufficient water to ensure thorough wetting.

MELONS AND CUCUMBERS (All approved states except California)
Application of FALGRO 4L stimulates fruit set in extended periods of cool weather. For cantaloupes and watermelons make one application of 1 to 4 g ai/acre in sufficient water to ensure thorough wetting prior to bloom. Make 2 further applications at 10 – 14 day intervals. For cucumbers 3 – 4 applications following fruit set may be required. For maximum benefit of these treatments to be achieved, vines must be in good condition.

PEPPERS (All approved states except California)
To promote plant growth: In areas with short growing seasons or where low temperatures cause slow plant growth. Make 1 – 2 applications of 1 to 3 g ai/acre in 25 – 50 gallons of water/acre starting 2 weeks after planting. Repeat at 2-week intervals.

To promote plant growth and increase fruit set: Make 1 – 2 applications of 1 to 3 g ai/acre in 25 – 50 gallons of water/acre during flowering. Use the higher rate for areas and varieties with pollination and fruit set problems.

To increase fruit size: Make one application of 1 to 3 g ai/acre in 25 – 50 gallons of water/acre at the beginning of picking. Use the higher rate for plants carrying high numbers of fruit.

RHUBARB
Application of FALGRO 4L helps break dormancy and increase yield of forced rhubarb. If the rest period is not broken, make a single application of 2 fl. oz. of a solution containing 20 g ai in 10 gallons of water to each cleaned crown. When the rest period is broken by cold weather, apply 2 fl. oz. of a solution containing 10 g ai in 10 gallons of water to each cleaned crown.

Maintain forcing house temperatures at 40°F – 50°F for 24 hours following application. To prevent lower yields and poor stalk color, keep temperatures below 50°F.

SEED POTATOES
Application of FALGRO 4L helps break dormancy and stimulates uniform sprouting. Dip freshly dug seed potatoes in a solution of 0.2 to 0.4 g ai in 100 gallons of water before planting.

Potatoes treated with FALGRO 4L must not be used for food or feed purposes. Do not treat rested seed and use the lower rate for dormant seed if soil temperatures are high.

SPINACH – FALL AND OVERWINTERED (All approved states except California)
Application of FALGRO 4L improves the quality, increases yield and aids harvest. Make one application of 6 to 10 g ai/acre 10 – 18 days before each anticipated harvest in 10 – 50 gallons of water if applied using ground equipment, or a minimum of 5 – 10 gallons of water/acre if sprayed by air. Ideally, spray in the early morning when dew is present on the crop and daytime temperatures are between 40° – 70°F. Maximum benefit is seen from this treatment when low temperatures would limit the growth of untreated spinach.

Do not apply to spring sown spinach. Do not treat spinach after mid-winter or if temperatures are expected to exceed 75°F within several days of application as this can induce bolting.

SPRAYING GUIDE FOR OTHER CROPS

BERMUDA GOLF TURF (All approved states except California)

Application of FALGRO 4L can be used to initiate or maintain growth and prevent color change during periods of cold stress. Make one application of 10 g ai weekly or 25 g ai in 25 – 100 gallons of water/acre every 2 weeks.

Do not exceed these doses or reduce the time interval between applications. Do not apply during extended warm periods if night temperatures exceed 65°F. Continue good ground keeping practice and stop treatment if thinning of the grass occurs. Do not use on dormant turf.

COTTON (All approved states except California)

Application of FALGRO 4L promotes early plant growth, increases seedling vigor and helps overcome stress induced by cool weather. Apply 1 to 6 g ai/acre by furrow application to the seed or as a foliar spray between the cotyledon and 5-leaf stage. Apply in 5 – 40 gallons of water/acre for ground applications or 3 – 10 gallons/acre by air.

Repeat applications as necessary but do not exceed 4 in total. Use higher rates when temperatures are likely to average 75°F or less during the 14 days after application. In order to avoid excessive growth, do not overuse these treatments.

HOPS (North-western U.S. only)

Application of FALGRO 4L increases the yield and aids picking of seeded and seedless varieties of Fuggle hops and similar varieties. Make one application of 4 to 6 g ai in 100 – 150 gallons of water/acre when vine growth is 5 – 8 feet long.

RICE SEED TREATMENT

Application of FALGRO 4L as a seed treatment promotes germination and emergence of semi-dwarf and tall rice varieties but can only be applied to seed intended for drilling or dry broadcast. Do not apply to rice used in a 24-hour soak prior to broadcasting. Apply 1 – 2 g ai in a 8 – 20 oz. of water per 100 pounds of seed.

FALGRO 4L can be applied using mist-treatment equipment but best effect is achieved using the higher water volume. Half fill the seed treatment tank with water then add the required amount of FALGRO 4L and mix thoroughly while adding any further seed treatment materials before making up to the desired final water volume. **An approved dye must be added to treated seed to prevent inadvertent use for food, feed or oil purposes.** FALGRO 4L is compatible with most commonly used seed treatments, standard dyes and binding agents. Ensure adequate physical compatibility and mixing characteristics.

RICE SEEDLING POST-EMERGENCE TREATMENT

Application of FALGRO 4L prior to permanent flooding promotes uniform and vigorous growth of semi-dwarfing varieties allowing earlier flooding with its associated agronomic benefits. When permanent flood is desired before tiller development, make one application of FALGRO 4L at 2 to 3 g ai/acre at the 1 – 2 leaf stage. When flooding will be made following initial tilling, apply 1 to 3 g ai/acre at the 3 to 4 leaf (4th leaf showing) stage. Use higher rates when temperatures are likely to average 75°F or less during the 14 days after application. Either application will allow the establishment of a permanent flood 7 – 10 days earlier. Do not exceed the specified rates or make more than one application.

Apply FALGRO 4L by fixed wing aircraft equipped with spray systems capable of producing a uniform medium to fine spray droplet pattern in not less than 10 gallons of water/acre. Low-pressure ground sprayers equipped with boom and flat fan nozzles applying 10 – 15 gallons of water/acre can also be used.

Ensure fields have been drained of floodwater before application and avoid spray drift onto other crops. Do not apply to crops suffering stress. Do not add surfactants, oils or any type of adjuvants to the spray tank. These treatments may cause the crop to become a lighter shade of green. This is a temporary effect and is caused by the increased growth rate.

POMPOM CHRYSANTHEMUMS (All approved states except California)

Application of FALGRO 4L elongates the peduncles. Make one application of 0.5 to 1 g ai in 12 gallons of water 28 – 35 days after initiation of short day program. Apply this solution over 1000 sq. ft. of bed using overhead nozzles directed at the flower buds. Apply at the correct timing and do not overdose as this can cause long, spindly, weak stems.

STATICE (All approved states except California)

Application of FALGRO 4L promotes early flowering and increases flower yield. Make one application of 40 – 50 g ai in 25 gallons of water when plants are more than 10 inches in diameter (approx. 90 – 110 days after planting). Apply 10 ml of spray as a drench to each plant.

Do not exceed the specified dose or repeat treatment. Initiation of flowering is influenced by extended photo-period, nutrition and reduced night temperature. Treatment with FALGRO 4L lessens the need for reduced night temperature and long photo-period.

CONVERSION TABLE

FALGRO 4L is a 4% active ingredient liquid. For each gram of active ingredient required use 1 fl. oz. of FALGRO 4L.

Grams ai per acre	to FALGRO 4L per acre	Grams ai per acre	to FALGRO 4L per acre
0.5	0.5 fl. oz.	20.0	20 fl. oz.
1.0	1.0 fl. oz.	32.0	32 fl. oz.
5.0	5.0 fl. oz.	40.0	40 fl. oz.
10.0	10 fl. oz.	48.0	48 fl. oz.
16.0	16 fl. oz.		

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Keep containers tightly closed when not in use.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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