

**ACCEPTED**

DEC 27 2001

Under the Federal Insecticides,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 62097-10

# FLORGIB 4L™

Plant Growth Regulator

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Active Ingredient:	Gibberellic Acid (A <sub>3</sub> )	4%
Other Ingredients:		<u>96%</u>
Total:		100%

### FLAMMABLE – Keep away from heat and open flame

For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

For information on spill or transportation emergencies with this pesticide product, call CHEMTREC at 1-800-424-9300.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail)

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

See other panel for Precautionary Statements.

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EPA Est. No. 66196-CA-1 EPA Registration No. 62097-

Net Contents      **1 Gallon (3.78 L)**

## **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 or on clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling. 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:*

- \* Long pants
- \* Long-sleeved shirt
- \* Shoes plus socks
- \* Protective eyewear
- \* 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, chewing gum, using tobacco or using the toilet.

### **ENVIRONMENTAL HAZARDS**

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.

### **PHYSICAL AND CHEMICAL HAZARDS**

FLAMMABLE - Keep away from heat and open flame.

### **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 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 labelling 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.

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      \*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. The label should be read thoroughly and understood before making applications. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions and with specific varieties.
- The term 'grams of active ingredient per acre' is represented by 'g ai/acre' throughout this product label.
- All parts of the plant or crop should be covered by the spray to obtain the desired result.
- Prepare solution concentrations by mixing the required amount of product with water only in a clean empty spray tank.
- Any unused spray material at the end of the day must be disposed of following local, State or Federal law.
- When a range of rates is indicated use the concentration and spray volume recommended locally. Consult your local experimental station or distributor for spray program best suited to your conditions.

- FLORGIB 4L works best when using water of neutral or slightly acidic pH. Water should always have a pH of less than 8.5.
- Absorption of FLORGIB 4L into the plant is greatest under slow drying conditions. Night-time applications will be more effective when day-time conditions cause rapid drying. FLORGIB 4L should be re-applied if significant rain occurs within 2 hours of application
- Data concerning the compatibility of FLORGIB 4L is not available.

## **APPLICATION GUIDE**

**Bermuda Golf Turf** - Application of FLORGIB 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 recommended 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.

**Popom Chrysanthemums** - Application of FLORGIB 4L elongates the peduncles. Make one application of 0.5 – 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** - Application of FLORGIB 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 recommended dose or repeat treatment. Initiation of flowering is influenced by extended photo-period, nutrition and reduced night temperature. Treatment with FLORGIB 4L lessens the need for reduced night temperature and long photo-period.

**Cala Lillies (*Zantedesia* sp.)** – Application of FLORGIB 4L by soak, spray or field drench increases flowering, controls height, and shortens days to flowering. As a soak, use a 100 ppm to 500 ppm solution. Spray applications are generally made at concentrations between 50 and 100 ppm to plants to stimulate flowering. Field drench is made over the planted bulbs at 100 - 500 ppm. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

**Tropical Foliage** – For application to plants such as *Aglaonema commutatum*. Apply FLORGIB 4L to induce uniform flowering. Recommended dosages range from 100 – 400 ppm applied as a spray solution to runoff. Generally, treatment is used to induce flowering so breeding and cross pollinations can be carried out. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

**Geranium (*Pelargonium* sp.)** - Application of FLORGIB 4L to rooted cuttings will stimulate root growth and development when added directly to hydroponic nutrient solution. Applications of between 0.5 ppm and 50 ppm are recommended to increase productivity and produce other desirable plant

characteristics. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

***Dieffenbachia sp.*** - Application to foliage will stimulate flowering for breeding and other purposes. Applications between 250 and 1000 ppm stimulate the production of flowers, increasing the flexibility of breeding programs and frequency of flowers to be used to produce hybridized variants. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

***Spathiphyllum sp.*** - Application to foliage will stimulate flowering for breeding and other purposes. Applications between 250 and 1000 ppm stimulate the production of flowers increasing the flexibility of production and the ability to sell plants in flower. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

***Cyclamen sp.***- Application to the foliage will favorably alter the vegetative and reproductive development of the plants. Foliar applications of between 25 and 250 ppm will affect the vegetative and reproductive growth of the plant, thus reducing the days to flowering and enhancing production. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions.

**Poinsettia** – Application to poinsettia is used to influence flowering. Foliar applications to plants of between 10 and 50 ppm can be used. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions and specific varieties.

***Caladium sp.*** – Application will influence flowering. Soaking bulbs in solutions of between 250ppm and 1000ppm will produce a favorable result. For best results, trials should be conducted to determine desired rates and timings for optimum responses under local growing conditions and specific varieties.

## **CONVERSION TABLES**

### **GRAMS OF AI PER ACRE**

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

<b>Grams ai per acre</b>	<b>FLORGIB 4L per acre</b>
0.5	0.5 oz
1.0	1.0 oz
5.0	5.0 oz
10.0	10 oz
16.0	16 oz
20.0	20 oz
32.0	32 oz
40.0	40 oz
48.0	48 oz

## PARTS PER MILLION

Desired ppm	Cups of FLORGIB 4L per 100 gallons	Quarts of FLORGIB 4 per 100 gallons
50	2.5	-
100	5	1.25
200	10	2.5
300	15	3.75
400	20	5.0
500	25	6.25

### **STORAGE AND DISPOSAL**

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

*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 Disposal:* Do not re-use empty containers. Triple rinse (or equivalent). Then puncture and dispose of in sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### **CONDITIONS OF SALE AND LIMITED WARRANTY**

FINE AGROCHEMICALS LIMITED warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions subject to the inherent risks set forth below.

FINE AGROCHEMICALS LIMITED makes no other expressed or implied warranty of merchantability or fitness for a particular purpose or any other expressed or implied warranty.

**INHERENT RISK OF USE:** It is impossible to eliminate all risks associated with this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label), abnormal conditions, presence of other materials, the manner of application, or other factors, all of which are beyond the control of FINE AGROCHEMICALS LIMITED or the seller. All such risks shall be assumed by the buyer.

FLORGIB 4L™ is a Trademark of Fine Agrochemicals Limited.