ProGibb[®] Plus 2X Plant Growth Regulator Soluble Powder For agricultural use.

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Active Ingredient:	-
Gibberellic Acid	20.09//
Other Ingredients	
Total	

ProGibb Plus 2X contains approximately 32 gram active ingredient per 160 g of product.

KEEP OUT OF REACH OF CHILDREN CAUTION

EPA Registration No. 73049-16 EPA Establishment No.

Valent BioSciences Corporation 870 Technology Way, Suite 100 Libertyville, IL 60048

Net Contents:

This container will treat __acre at the maximum use rate, as recommended for use on _____.

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 inimediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
· ·	HOT LINE NUMBER
	I with you when calling a poison control center or doctor, or going for treatment. You 92-0099 (24 hours) for emergency medical treatment and/or transport emergency ation, call 1-800-6-Valent.

A C C E P T E D MAY 3 1 2002 Under the Federal Insecticides. Fungicide. and Rodenticide Act. as a consuled. for the pesticide registered under EPA Reg. No. 73049-16

Rev 2 Zoro2 NIPH - Page []

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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CAUTION

Causes moderate eye irritation. Avoid breathing dust. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants.
- Waterproof gloves
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 3/23

Do not enter or allow worker entry into treated areas during the restricted entry interval (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
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Keep containers tightly closed when not ir. 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 reuse empty containers. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL DIRECTIONS FOR USE

Use only as directed. The label should be read thoroughly and understood before making applications. Keep out of reach of children.

Do not apply this product through any type of irrigation system.

Application recommendations:

ProGibb Plus 2X contains gibberellic acid, which is an extremely potent plant growth regulator; when applying plant growth regulators, deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixes, may result in undesirable effects. Always consult the Valent agricultural specialist in your area for the spray regimen best suited to your conditions.

- Do not apply to plants under pest, nutritional, or water stress.
- When a range of rates is indicated, use the concentration and spray volume recommended locally by the Valent agricultural specialist.
- For optimum effectiveness, thorough spray coverage must be achieved; all parts of the plant or crop must receive the spray or desired results will not occur. Prepare solution concentrations by mixing the required amount of product with water in a clean, empty spray tank. Dispose of any unused spray material at the end of each day following local, state or federal law.
- For best results, the water pH should be around 7.0, and always below 8.5.
- ProGibb applications made under slow drying conditions (cool to warm temperatures, medium to high relative humidity, and no wind) will increase absorption by the plant, thus optimizing effectiveness. Night time applications are encouraged when day time conditions are not conducive to slow drying conditions.
- Product persistence: ProGibb should be re-applied if significant rain occurs within 2 hours of application.
- Compatibility: Except when specifically noted, this ProGibb spray guidelines refer to the use of the product alone. The use of surfactants and other additives has been reported to be beneficial. Data concerning the compatibility of ProGibb with other agricultural compounds, except DiPel DF and XenTari DF, are not available. Valent Biosciences does not assume responsibility for unexpected results due to the tank mixing of ProGibb 4% with other products not recommended on this label.
- 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).
- No preharvest interval is required for this product.

• SPRAY GUIDELINES FOR CROP CATEGORIES

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• GRAPE

For all grapes, application by ground sprayer is recommended. Apply as a concentrate or dilute spray in sufficient water volume to ensure thorough wetting. It is important to wet all flower clusters or berries thoroughly. For cultivar specific spray rates and timings, see accompanying tables.

SEEDLESS TABLE GRAPE			
CLUSTER STRETCH SPRAYS			
OBJECTIVE/BENEFIT	APPLICATION TIMING/ RECOMMENDATIONS		
For cluster elongation and looser cluster	Make one to three applications before bloom		
forms. To reduce costs of thinning, allow	when flower clusters are 2 to 7 inches long.		
better air circulation to aid in the control of			
bunch rot, and increase light penetration to aid			
in sugar development.			
CROP/CULTIVAR	RATE (grams a.i. /acre)		
Perlette Seedless	8-24		
Flame Seedless	8-24		
Thompson Seedless	8-24		
Raisin	8-24		
Other Seedless Grapes	No recommendations are available at this		
	time.		

SEEDLESS TABLE GRAPE			
BERRY THINNING SPRAYS			
OBJECTIVF/BENEFIT	APPLICATION TIMING/ RECOMMENDATIONS		
For decreased berry set, reduced hand-	Make one to four applications during bloom.		
thinning costs, and hastened maturity.	Only 1-2 applications for "Other Seedless		
	Grape". When the bloom period is extended,		
	subsequent sprays should be made 1 to 7 days		
	after the first application		
CROP/CULTIVAR	RATE (grams a.i. /acre)		
Perlette Seedless	No recommendations available for this		
	variety/timing at this time.		
Flame Seedless	3-16		
Thompson Seedless	8-20		
Raisin	3-12		
Other Seedless Grapes	0.5-12		
NOTE:			

• Higher amounts or multiple applications may cause an excess of shot berries or overthinning, especially in young vines or vines with high vigor.

• For 'Other Seedless Grapes' use caution as some of the new cultivars are very responsive and may over-thin easily. A grower should consult the Valent representative or local specialist before thinning cultivars with which he has no familiarity.

SEEDLESS TABI	LE GRAPE
BUN	IP SPRAY
Thompson Seedless	
OBJECTIVE/BENEFIT	APPLICATION TIMING/RECOMMENDATIONS
To help initiate the beginning of the berry growth period.	Make one application of 16-24 grams a.i./acre during the period between the last thinning
	spray and the first sizing spray.

SEEDLESS TABLE GRAPE				
BERRY SIZING SPRAYS				
OBJECTIVE/BENEFIT		APPLICATION TIMING/ RECOMMENDATIONS		
For larger berries and larger clusters when used in conjunction with established girdling and thinning practices		Make one to four applications beginning when the average berry size reaches "target" diameter (See below). Timing of the subsequent sprays will be dictated by experience in the vineyard and temperatures occurring between sprays. Sprays made after 15-20 days from the first sizing spray are less effective.		
CROP/CULTIVAR	Target Berr	y Diameter *	RATE (grams a.i. /acre)	
Perlette Seedless	4-5		32-128	
Flame Seedless	6-9	mm	20-128	
Thompson Seedless	3-5	mm	32-128	
Raisin	3-5	mm	4-20	
Other Seedless Grapes	3-14	mm	8-60	
*Target average herry diame	ter for the first ann	lication	I	

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*Target average berry diameter for the first application

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NOTE:

- In some growing regions and for some cultivars, high amounts of gibberellic acid may reduce fruitfulness (cluster counts) the following year.
- High amounts of gibberellic acid may also delay berry skin color development, sugars accumulation and overall maturation.
- A grower should consult the Valent representative or local specialist before sizing cultivars with which he has no familiarity.

	SEI	EDED GRAPE	S	
	BERF	Y SIZING SPRA	AYS	
OBJECTIVE/BENEFIT APPLICATION TIMING/ RECOMMENDATION			G/ RECOMMENDATIONS	
To increase berry si	ease berry size in listed cultivars; and Make one application during the indicated l			
also to reduce berry	also to reduce berry shrivel in Emperor. diameter range. Application can be made			
		whole vine the cluster		as a spray or dip directly to
CROP/CULTIVAR	Berry Diameter	Whole vine s	-	Direct spray to the cluster
	(mm)*	Rate in grams a	a.i. /acre	only or dip the clusters. Rate in ppm's of a.i.
Emperor	12-16	20		40-50
Red Globe	12-18	20	19 <u>14), "Latenar Lubena</u>	40-50
Calmeria	12-16	20		40-50
Christmas Rose	12-16	20	<u></u>	40-50
Rogue	12-16	20		40-50
Queens	12-15	20		40-50
* Predominant averag	e berry diameter for thi	s application.	<u> </u>	<u> </u>
NOTE:	м <u>шандаа –</u>	· · · · · · · · · · · · · · · · · · ·		
	e application may redu			Q .
	of gibberellic acid may		in color dev	elopment, sugars
	and overall maturation.			
• A grower should consult the Valent representative or local specialist before sizing				
cultivars wit	n which he has no fan	minarity.		

OBJECTIVE/BENEFIT	APPLICATION TIMING/RECOMMENDATIONS	
To increase berry size	Make one application 3-5 days after full bloom, but before shatter begins.	
CROP/CULTIVAR	RATE (grams a.i. /acre)	
Black Corinth (Zante Currant)	1-12	

For citrus, apply in sprays of sufficient water volumes to ensure thorough fruit wetting. In most cases, this application will cause some drop of older mature leaves; this drop of older leaves is inconsequential. However, application to trees of low vigor or under stress (pest, nutritional, or water, etc) may cause severe leaf and/or fruit drop. Do not apply in white wash sprays in which lime or other caustic material has produced a high pH in the spray tank. Applications of copper fungicides and/or oils within three weeks (before or after) the ProGibb 4% application may result in significant leaf drop and fruit drop.

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CITRUS: FIELD APPLICATIONS			
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING/
		(grams a.i. /acre)	RECOMMENDATIONS
Navel Orange	To delay rind aging, reduce physiological disorders (e.g., rind staining, water spotting, sticky or tacky surface, puffy rind and rupture under pressure), and produce a more orderly harvesting pattern.	16-48	 Make one or two applications as a concentrate or dilute spray. 1) Early application: spray approximately 2 weeks prior to color break (typically August – November). This timing causes the greatest delay in rind aging and produces the firmest rind possible. AND/OR 2) Late spray: one application after marketable color (typically October – December). This late spray may cause re-greening.
Valencia Orange (For California and Arizona use only)	To reduce rind creasing and to delay rind aging and softening	40-80	Make a single application as a concentrate or dilute spray in August to October to target crop of young fruit.
NOTE:	} 		
 Do not apply be delayed. following ye Slower color of mature fru 	Do not apply from January th ar. development should be expe	hrough July, a ected in the ta ble color is a	vested early, as fruit coloring will as production may be reduced the arget crop. Increased re-greening chieved, treatment effects may be
All Round Oranges (For	To delay aging and softening of the rind, and	20-60	Make a single application in August to October to trees with a
Florida use only)	to reduce creasing and puffiness.		target crop of young fruit. The addition of pure organo-silicone type surfactant at 0.05% (6 fl. Oz In 100 gallons) may be

beneficial.

OBJECTIVE/BENEFIT	RATE (grams a.i./acre)	APPLICATION TIMING/ RECOMMENDATIONS Make a single application when
of small ripe fruit and produce a more desirable production pattern relative to market demand.	10 - 32	target crop is 1/2 to 3/4 full size, but still green.
•	en larger diffe	erence in harvest pattern and
To delay disorders associated with rind aging, puffiness, and softening, and to increase peel strength, of tangerine hybrids	20 - 40	Make one spray application two weeks prior to color break. Apply as a dilute spray.
To delay disorders associated with rind aging (e.g., puffiness, softening, and orange coloration), prevent preharvest drop of mature fruit, increase peel strength, reduce water loss during storage, and produce a	16 - 48	Make one or two dilute spray applications in sufficient volume to ensure coverage. Do not exceed 20 ppm a.i. in spray solution. EARLY: Make application two weeks prior to color break. Apply as a dilute spray (AUG-SEP). AND/OR LATE: Make application after
	To decrease the amount of small ripe fruit and produce a more desirable production pattern relative to market demand. ed two years in a row, an even ay occur. To delay disorders associated with rind aging, puffiness, and softening, and to increase peel strength, of tangerine hybrids y if early harvest is planned. y occur. Application during it. To delay disorders associated with rind aging (e.g., puffiness, softening, and orange coloration), prevent preharvest drop of mature fruit, increase peel strength, reduce	Image: constraint of small ripe fruit and produce a more desirable production pattern relative to market demand.10 - 32ed two years in a row, an even larger diffusion occur.20 - 40To delay disorders associated with rind aging, puffiness, and softening, and to increase peel strength, of tangerine hybrids20 - 40y if early harvest is planned. Do not apply occur. Application during coloring maynt.16 - 48To delay disorders associated with rind aging (e.g., puffiness, softening, and orange coloration), prevent preharvest drop of mature fruit, increase peel strength, reduce16 - 48

CITRUS: FIELD APPLICATIONS (con't)OBJECTIVE/BENEFITRATE
(grams
a.i./acre)APPLICATION TIMING/
RECOMMENDATIONSTo reduce early-season
small fruit drop of Star
Ruby Variety thereby25-35Make a single dilute application
during the bloom period.

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NOTE:

Star Ruby

for use in

California)

CROP/VARIETY

Grapefruit (Not

• Results may vary from season to season depending on environmental conditions. Maintain a well-balanced fertilization and watering program.

increasing yields.

To increase fruit set and	1-8	Make one to two applications from
yield		50% petal fall up to 3 weeks after
		petal fall. Use a dilute spray with
		sufficient spray volume for
		adequate coverage of tree canopy.
	To increase fruit set and	

NOTE:

• The number of applications depends upon amount of desired fruit set. Generally, more fruit will be set by 2 applications, earlier applications, higher rates, and climactic conditions more favorable to set. Differences in the crop strain may also interact with the above factors to affect the degree of fruit set achieved. Reductions in final fruit size can occur as a result of excessive fruit set.

Tangerine	To increase fruit set and	8-30	Make one to two applications
Hybrids	yield. The number of		during the bloom period. Apply as
(Orlando.	applications depends on		a dilute spray.
Robinson.	desired fruit set.		
Minneola,			
Sunburst, and			
others) (Not for			
use in California)			

NOTE:

• Fruit sizes may be reduced and color development slightly retarded. A slight increase in mature leaf drop may occur in trees under stress.

Navel and Valencia Orange (For Florida use only)	To enhance fruit set and yield.	15-25	Make a single application in December - January. Apply in 125-175 gallons of water per acre with a pure organo-silicone type surfactant at 0.05% (6 fl. oz/100 gallons).
Ambersweet Orange (For Florida use only)	To enhance fruit set and yield.	15-25	Make a single application in January. Apply in 125-175 gallons of water per acre with a pure organo-silicone type surfactant at 0.05% (6 fl. oz/100 gallons).

CITRUS: FIELD APPLICATIONS (con't)				
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i./acre)	APPLICATION TIMING/ RECOMMENDATIONS	
Grapefruit (Not for use in California)	To enhance fruit set, size and yield.	15-25	Make a single application in January. Apply in 125-175 gallons of water per acre with a pure organo-silicone type surfactant at 0.05% (6 fl. oz/100 gallons).	

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• FRUIT CROPS

		CROPS	
CROP/CULTIVAR	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING / RECOMMENDATIONS
Banana	To stimulate plant growth, and to overcome the effects of stress caused by insect, disease or adverse weather. These applications may also improve fruit size and quality and overall yield.	16	Apply by air or ground equipment once every 30 to 90 days throughout the year. Use sufficient water volume to achieve good coverage of the foliage. Make more frequent applications (monthly) during the 6 months prior to anticipated weather stress periods.
Blueberry (Not for use in California) <u>Highbush:</u> Coville, Jersey, Stanley, Earliblue, Weymouth. Walcott, Berkeley. Blueray, Blueray, Bluecrop, 1316A, Concord, and others	To improve fruit set.	40-80	Make a single application of 80 grams a.i. in 40 to 100 gallons of water/acre. The application should be made at full bloom (when 75% of the flowers are fully open). OR Make two applications at 40 grams a.i./acre in 40 to 100 gallons of water. Make the first application at full bloom, and the second one within 10-14 days of the first one. For Weymouth, application can be delayed up to two weeks after bloom to increase size of "shot" berries.
Blueberry: (Not for use in California) <u>Rabbiteye:</u> Aliceblue, Beckyblue, Bonita, Brightwell, Climax. Delite, Tiftblue, Woodward, and others.	To improve fruit set.	40-80	Make a single application of 40 to 80 grams a.i./acre in 40 -to- 100 gallons of water per acre when most of the flowers are elongated but not yet open (bloom Stage 5). OR Make two to four applications 10-to-14 days apart starting at bloom Stage 5. Spray 20 to 40 grams a.i./acre in 40 to 100 - gallons of water per application.

	FRUIT CF	ROPS (Con't)	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING / RECOMMENDATIONS
Sweet Cherry	To produce larger, brighter colored, firmer fruit.	16-48	Apply a single spray when the fruit is translucent green to straw colored. Use sufficient water volume to ensure thorough wetting.
NOTE: • Color deve	lopment and harvest date ma	iv he slightly d	elaved
Red Tart Cherry (Not for use in California)	To maintain and extend high fruiting capacity of tart cherry trees and reduce the occurrence of "blind" nodes. Treatment will cause bud differentiation, which is apparent the year after application. Therefore, changes in shoot, spur, and flower production will not be evident until two or three years after program initiation. Applications must be applied annually to ensure vegetative development and subsequent yield improvement year after year.	4-18	Apply one spray 14-to-28 days after bloom. Optimum timing is defined as that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to-3 inches of terminal shoot extension has occurred. Use 4 to 18 grams a.i./acre, depending on tree age and vigor (See Table below). Apply as a concentrate or dilute spray in sufficient water volume to ensure thorough wetting.

NOTE:

• Rates are based on expected normal tree vigor at various ages. Adjust rate according to tree vigor. If trees are vigorous, use lowest recommended rates. Lowest rates should also be used on trees that have been heavily pruned or hedged. Use higher rates for trees low in vigor and weak in shoot and spur production. Excessive application rates will increase vegetative growth at the expense of fruit production the following year. Applications will not improve growth of trees under stress conditions, such as nutritional, moisture, or pest. Best results will be obtained when combined with good cultural practices.

RECOMMENDED APPLICATION RATES (GRAMS A.I./ACRE) FOR TART CHERRY TREES BY AGE

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15/23

Tree Age (years)	Rate (grams a.i./acre)
6-10	4-6
11-15	8-10
16-20	10-14
20 + years	14-18

FRUIT CF	ROPS (con't)
OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING/ RECOMMENDATIONS
To increase fruit firmness and improve fruit quality in the season of application	16-32	Apply as a single spray one to 4 weeks prior to the beginning of the harvest period. Use sufficient water to achieve complete coverage of fruits and foliage.
To reduce internal browning, improve quality, and increase size.	16-48	Make a single application four to five weeks before expected harvest. Apply in sufficient water volume to ensure thorough wetting.
-	OBJECTIVE/BENEFIT To increase fruit firmness and improve fruit quality in the season of application ation may cause reduction in flow if it is made during the months To reduce internal browning, improve quality, and increase	Image: constraint of the season of application (grams a.i. /acre) Image: constraint of the season of application 16-32 Image: constraint of the season of application 16-48 Image: constraint of the season of the sea

16/23

Color development and harvest may be slightly delayed. May reduce bloom the following season.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING/ RECOMMENDATIONS
Non Bearing Stone Fruit (Not for use in California)	To reduce flowering and fruiting in young stone fruit trees in order to minimize the competitive effect of early fruiting on tree development.	20 - 80	Make a single application during the period of flower bud initiation for the following year. Consult with the Valent representative or local horticulturist for timings and rates for specific cultivars in your area. Use sufficient water to achieve good coverage of the canopy.

NOTE:

• Do not spray trees in the first year. Treat in the second season for reduction of flowering in the third season, and again in the third season if flower reduction and fruiting is desired in the fourth season. Treat only trees that are in good physiological condition. Discontinue treatment the year before desired harvest.

FRUIT CROPS (Con't)			
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING/ RECOMMENDATIONS
Strawberry (Not for use in California)	To increase runner production of mother plants.	15-25	Make a single application to mother plants 10 – 30 days after planting. Plants should have 1-6 leaves at spraying. Apply 100 gallons spray/acre to point of run-off.

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NOTE:

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- Not for use on fruiting plants. Treatments may not be effective on plantings set out after mid-May.
- Response varies with cultivar and location. Consult your Valent representative or local horticulturist for specific recommendations.

Cranberry (Not for use in	To reduce or completely eliminate	10-50	Make a single application at early bloom (2-5% scatter
California)	the crop in the year of		bloom). Use sufficient water to
	application		ensure thorough coverage.

NOTE:

- Applications made later than indicated may result in no effect or actually result in increased fruit set (opposite effect).
- Responses will vary with cultivar, age of the bog and location. Consult the Valent representative or local specialist for specific information.

□ VEGETABLE CROPS

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CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. / acre)	APPLICATION TIMING/ RECOMMENDATIONS
Artichoke	To accelerate maturity and shift harvest to an earlier date	10 - 20	For perennials: apply one to three applications at bud initiation stage. For annuals: apply one to four applications at 2-week intervals, beginning at the fourth true leaf. Use sufficient water volume to ensure thorough wetting of the entire plant (leaves, stems and buds).
Carrots, Fresh and Processing	To maintain the foliage green and delay leaf senescence. These applications may reduce the severity of Alternaria leaf blight.	1-6	Make the first application 4 -6 weeks after emergence using commercial ground or aerial equipment with spray concentrations of 20-30 ppm. A second spray 14 days later may be required to achieve the desired amount of foliar recovery in severe disease situations or cool weather. Do not apply more than twice per crop.
concentratio		concentration c	
Celery	particularly with a second app To increase plant height and yield and to overcome stress due to cold weather conditions or saline soils, and obtain earlier maturity.	2.5 – 10	Make a single application one to four weeks prior to harvest. Use 25-to-50 gallons of water per acre by ground application or 5-to-10 gallons of water per 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.

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	VEGETABLE	CROPS (con	't)
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING/
		(grams a.i.	RECOMMENDATIONS
Cucumber (Not for use in California)	To stimulate fruit set during periods of cool temperatures.	/ acre) 1-4	Make one application prior to bloom followed by two additional applications at intervals of 10-to-14 days. Up to four applications may be required, in sufficient water volume for thorough coverage of exposed foliage.
	im benefits, vines must be to cool temperatures. To obtain uniform bolting and increase	in good condi	tion, except for reduced rate of Apply one to four applications at two-week intervals,
	seed production		beginning at the fourth true leaf. Use sufficient water volume to ensure thorough wetting.
Melon (Not for use in California)	To stimulate fruit set during periods of cool temperatures	1-4	Make one application prior to bloom followed by two additional applications at intervals of 10-to-14 days on cantaloupes and watermelons.
NOTE: • For maximu	m benefits, vines must be i	n good condit	tion, except for reduced rate of
	to cool temperatures.	-	•

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CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. / acre)	APPLICATION TIMING/ RECOMMENDATIONS
Pepper (Not for use in California)	To promote plant growth	1-3	Apply one to two sprays in 25-to-50 gallons of water per acre at two-week intervals. Begin sprays 2 weeks after transplanting.
NOTE:	recommended for creat wit	h ahaut anauri	na sociana, any ikan law
	recommended for areas wit es slow plant growth.	n short growl	ng seasons, or when low
Pepper (Not for use in California)	To increase fruit set and promote fruit growth	1-3	Apply one to two sprays in 25-to-50 gallons of water per acre at weekly intervals during the flowering period.
NOTE: • The high ra set problem		s and/or varie	ties with pollination and/or fru
Pepper (Not for use in California)	To increase fruit size	1-3	Apply in 25-to-50 gallons of water per acre at the beginning of the picking period.
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NOTE:	te is recommended for plan		.

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not treat rested seed pieces.

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VEGETABLES (Con't)							
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING/ RECOMMENDATIONS				
Rhubarb	To break dormancy on plants receiving insufficient chilling and to increase marketable yield of forced rhubarb	10 – 20 in 10 gallons of water	 When the rest period is not completely broken, make a single application of 2 fluid ounces (60 ml) of a solution containing 20 grams a.i. in 10 gallons of water to each cleaned crown. When the rest period is broken by cold weather, apply 2 fluid ounces (60 ml) of a solution containing 10 grams a.i. in 10 gallons of water to each cleaned crown. 				
	To facilitate harvest, increase yield and improve quality of fall and over-winter spinach.		plastic. Temperatures above 50°F Apply a single spray 10-to-18 days before each anticipated harvest on fall or over-winter spinach, ideally when daytime temperatures are 40° F-to-70° F and during early morning hours when dew is present on crop. Make applications in 10-to-50 gallons of water per acre by ground sprayer or in a minimum of 5-to-10 gallons of water per acre by air. When applied to promote growth of second cutting, wait until some regrowth has started before spraying. Maximum benefit is obtained when below normal				
			temperatures predominate following application and growth would be otherwise slowed in untreated spinach.				

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NOTE:

• Since the promotion of bolting may occur, do not apply after the mid-winter period or if temperatures may be expected to exceed 75° F within several days of application. Do not apply on spring plantings.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING/ RECOMMENDATIONS
Hops: Seeded and seedless Fuggle hops and similar varieties adapted to the Northwestern states.	To increase fruit set and yield.	4 - 6.	Make a single application in 100- 150 gallons of water per acre wher vine growth is 5-8 feet in length.

(**C**)

CONVERSION TABLE

PreGibb Plus 2X contains approximately 1 gram of active ingredient per 5 grams of product

Grams of active ingredient	Grams of ProGibb Plus 2X
0.5	2.5
1.0	5.0
2.0	10.0
3.0	15.0
4.0	20.0
5.0	25.0
8.0	40.0
10.0	50.0
20.0	100.0
50.0	250.0
80.0	400.0
100.0	500 0

22/23

Grams of ProGibb Plus 2X for given ppm's or Gibberellic Acid at Different Water Volumes.

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Gallons	parts per million (ppm)										
of Water	4	5	6	8	10	15	20	30	40	60	80
75	6.0	7.5	9.0	12.0	15.0	22.5	30.0	50.0	60.0	90.0	120.0
100	8.0	10.0	12.0	16.0	20.0	30.0	40.0	60.0	80.0	120.0	160.0
125	10.0	12.5	15.0	20.0	25.0	37.5	50.0	75.0	100.0	150.0	200.0
150	12.0	15.0	18.0	24.0	30.0	45.0	60.0	90.0	120.0	180.0	240.0
200	16.0	20.0	24.0	32.0	40.0	60,0	80.0	120.0	160.0	240.0	320.0
250	20.0	25.0	30.0	40.0	50.0	75.0	100.0	150.0	State State	300.0	400.0
300	24.0	30.0	48.0	48.0	60.0	90.0	120.0	180.0	240.0	480.0	480.0
400	32.0	40.0	64.0	64.0	80.0	120.0	160.0	240.0	320.0	640.0	640.0
500	40.0	50.0	80.0	80.0	100.0	150.0	200.0	300.0	400.0	800.0	800.0
600	48.0	60.0	96.0	96.0	120.0	180.0	240.0	360.0	480.0	960.0	960.0
750	60.0	75.0	120.0	120.0	150.0	225.0	300.0	450.0	600.0	1200.0	1200.0

NOTE: The numbers inside the table are the grams of ProGibb 40% needed to obtain the desired ppm's for each gallonage.

Example:

To make 250 gallons of a 40 ppm gibberellic acid solution, dissolve 200 grams of ProGibb Plus 2X in 250 gallons of water.

NOTICE TO USER:

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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