73049-16

04/10/2004



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460

April 10, 2009

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Doina Bujor, Regulatory Manager Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048

RE: Product Name: Pro-Gibb Plus 2X Plant Growth Regulator
 EPA Reg. No: 73049-16
 Application for Label Notification Dated February 20, 2009 to Update Storage and
 Disposal Language per PR Notice 2007-4

Dear Ms. Bujor:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at <u>hudson.diana@epa.gov</u>.

Sincerely,

Linda Hollis

Linda Hollis, Chief Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

Please read instruction	s on revers	e Delore Comple						Unit No. 2070		
€PA	Env	/ironmental	nited States I Protectio ngton, DC 204		ncy			Registratic Amendme Other		OPP Identifier Numb
			Applicatio	n for P	esticio	le - Secti	ion I			
1. Company/Product N 73049-16	umber				<b>2. EPA P</b> Linda F	Product Mana; Hollis	ger		3. Pro	posed Classification
4. Company/Product (M ProGibb Plus 2X	Name)				PM# 91			<u> </u>	Ľ	None Restri
5. Name and Address Valent BioSciences 870 Technology Wa Libertyville, IL 6004	Corporatio ay 8	on	dej	0	(b)(i), m to:	ly product is	i simil		l in cor	FIFRA Section 3(c)( mposition and labeli
Check	if this is a l	new address				ct Name	_			
		-		Sect	ion - I	I .				
Amendment - E	n response kplain belov	to Agency letter				Agency lette "Me Too" A	pplica pplica ain bo	ate Revie	IFIC. wed	ATION : <u>4-10-09</u> D.Hudson
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EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

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Notification of Storage and Disposal Statement (PR Notice 2007-4) for **ProGibb Plus 2X**, EPA Reg. No. 73049-16 (continuation from the previous page)

I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§152.46, 56.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

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Doina Bujor Regulatory Manager

February 20, 2009

870 TECHNOLOGY WAY

VALENT BIOSCIENCES.

LIBERTYVILLE, IL 60048 - 800-323-9597

February 20, 2009

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Linda Hollis Document Processing Desk (NOTIF) Office of Pesticide Programs (7504P) U.S. Environmental Protection Agency Biopesticides & Pollution Prevention Division Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501 703-308-8733

RE: ProGibb® Plus 2X (EPA Reg. No. 73049-16) Notification

Dear Ms. Hollis:

Valent BioSciences Corporation is submitting the present notification for **ProGibb® Plus 2X** (EPA Reg. No. 73049-16) in accordance with PR Notice 2007-4. The changes made to the label are to the Storage and Disposal statement.

Present submission consists of:

- Application for Registration (EPA form 8570-1)
- One copy of the red-lined label
- One copy of the clean label.

Please contact me if you have any questions at 847-968-4724 or by e-mail at <u>doina.bujor@valent.com</u>.

Sincerely,

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Doina Bujor Regulatory Manager

This FSC and SFI certified paper contains 10% recycled post-consumer waste.

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ProGibb<sup>®</sup> Plus 2X Plant Growth Regulator Soluble Powder For agricultural use.

NOTIFICATION Date Reviewed: 4-10-09 Reviewed By: D. t

5/31

# For Organic Production

Active Ingredient:	
Gibberellic Acid	

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

#### KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for Precautionary Statement and Use Directions

Lot No.

EPA Registration No. 73049-16 EPA Establishment No.

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

Net Contents: 160 g This container will treat \_\_acre at the maximum use rate, as recommended for use on \_\_

	FIRST AID
If in eyes	<ul> <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>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	HOT LINE NUMBER

information. For all other information, call 1-800-6-Valent.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Causes moderate eye irritation. Avoid breathing dust. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

#### 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 and rinsate.

#### **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 the 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.

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

# GENERAL DIRECTIONS FOR USE

Use only as directed. Read the label thoroughly and make sure it is 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, 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 optimum results, have the water pH near neutral (pH 7) 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 best when day time conditions are not conducive to slow drying conditions.
- Product persistence: Re-applied ProGibb 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 are not available. Valent Biosciences does not assume responsibility for unexpected results due to the tank mixing of ProGibb Plus 2X 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 provides the best coverage. 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 T	ABLE GRAPE
CLUSTER STR	ETCH SPRAYS
OBJECTIVE/BENEFIT	APPLICATION TIMING
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	Not enough data is available for this
	variety/timing to determine the most effective
	rate at this time.

SEEDLESS TABLE GRAPE				
BERRY THINNING SPRAYS				
OBJECTIVE/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,			
	make subsequent sprays 1 to 7 days after the			
	first application			
CROP/CULTIVAR	RATE (grams a.i. /acre)			
Perlette Seedless	Not enough data is available for this			
	variety/timing to determine the most effective			
	rate 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 has sometime resulted in an excess of shot berries or over-thinning, 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. Consult the Valent representative or local specialist before thinning unfamiliar cultivars.

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

SEEDLESS TABLE GRAPE			
BERRY SIZING SPRAYS			
OBJECTIVE/BENEFIT	APPLICATION TIMING		
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 Berry Diameter *	RATE (grams a.i. /acre)
Perlette Seedless	4-5 mm	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 berry diameter for the first application NOTE:

• In some growing regions and for some cultivars, high amounts of gibberellic acid have occasionally been observed to:

- reduce fruitfulness (cluster count) the following year

- delay berry skin color development, sugars accumulation and overall maturation.

• Consult the Valent representative or local specialist before sizing unfamiliar cultivars.

**SEEDED GRAPES BERRY SIZING SPRAYS OBJECTIVE/BENEFIT APPLICATION TIMING** To increase berry size in listed cultivars; and Make one application during the indicated berry also to reduce berry shrivel in Emperor. diameter range. Application can be made as a whole vine spray, or as a spray or dip directly to the cluster. **CROP/CULTIVAR Berry Diameter** Whole vine spray. Direct spray to the cluster (mm)\* Rate in grams a.i. /acre only or dip the clusters. Rate in ppm's of a.i. 20 40-50 12-16 Emperor 40-50 Red Globe 12-18 20 Calmeria 12-16 20 40-50 Christmas Rose 12-16 20 40-50 12-16 20 40-50 Rogue 40-50 12-15 20 Oueens

\* Predominant average berry diameter for this application.

NOTE:

- The whole vine application has sometime reduced fruitfulness (cluster counts) the following year.
- High amounts of gibberellic acid has occasionally delayed berry skin color development, sugars accumulation and overall maturation.
- Consult the Valent representative or local specialist before sizing unfamiliar cultivars.

OBJECTIVE/BENEFIT	<b>APPLICATION TIMING/RECOMMENDATIONS</b>
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

#### • CITRUS

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 Plus 2X application has been known to result in significant leaf drop and fruit drop.

	<b>CITRUS: FIELD</b>	APPLICAT	IONS
<b>CROP/VARIETY</b>	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING
		(grams	
		a.i. /acre)	
Navel Orange	To delay rind aging,	16-48	Make one or two applications as
	reduce physiological		a concentrate or dilute spray.
	disorders (e.g., rind		
	staining, water spotting,		1) Early application: spray
	sticky or tacky surface,		approximately 2 weeks prior to
	puffy rind and rupture		color break (typically August –
4	under pressure), and		November). This timing causes
·	produce a more orderly		the greatest delay in rind aging
	harvesting pattern.		and produces the firmest rind
			possible.
			AND/OR
			2) Late spray: one application
			after marketable color (typically
			October – December). This late
•	· · · · · · · · · · · · · · · · · · ·		spray has been known to cause
	· · · · · · · · · · · · · · · · · · ·	<u> </u>	re-greening.
Valancia Orango	To and upon the discount of	40-80	Males a single and lighting of a
Valencia Orange (For California and	To reduce rind creasing and to delay rind aging	40-80	Make a single application as a concentrate or dilute spray in
Arizona use only)	and softening		August to October to target crop
Arizona use only)			of young fruit.
NOTE:	I		of young fruit.
<ul> <li>In groves that delayed. Do observed to l</li> </ul>	not apply from January throu be reduced the following yea	ıgh July, as p r.	early spray as fruit coloring will be roduction has occasionally been
	1 1	-	et crop. Increased re-greening of
			able color is achieved, treatment
effects are po	ossibly dissipated the longer		emain on the tree.
All Round	To delay aging and	20-60	Make a single application in
Oranges (For	softening of the rind, and		August to October to trees with a
Florida use only)	to reduce creasing and		target crop of young fruit. The
	puffiness.		addition of pure organo-silicone
			type surfactant at 0.05% (6 fl. Oz.
			in 100 gallons) has been shown to
		<u> </u>	be beneficial.

	CITRUS: FIELD A	PPLICATIO	NS (con't)
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams, a.i./acre)	APPLICATION TIMING
Lemon/Lime	To decrease the amount of small ripe fruit and produce a more desirable production pattern relative to market demand.	10 - 32	Make a single application when target crop is <sup>1</sup> / <sub>2</sub> to <sup>3</sup> / <sub>4</sub> full size, but still green.
NOTE:			· · ·
	ed two years in a row, an ev s been reported.	en larger diffe	erence in harvest pattern and
Tangerine	To delay disorders	20 - 40	Make one spray application two
Hybrids	associated with rind		weeks prior to color break. Apply
(Orlando,	aging, puffiness, and		as a dilute spray.
Robinson,	softening, and to		
Minneola,	increase peel strength, of		
Sunburst, and	tangerine hybrids		
others)			
NOTE:			
<ul> <li>Do not appl</li> </ul>	y if early harvest is planned	. Do not appl	y after coloring as pre-harvest rind
<b>—</b>		coloring has	been observed to result in variation
	r development.		·
Grapefruit (Not for	To delay disorders	16 – 48	Make one or two dilute spray
use in California)	associated with rind		applications in sufficient volume
	aging (e.g., puffiness,		to ensure coverage. Do not exceed
	softening, and orange		20 ppm a.i. in spray solution.
	coloration), prevent		
	preharvest drop of		EARLY: Make application two
· ·	mature fruit, increase		weeks prior to color break. Apply
· .	peel strength, reduce	-	as a dilute spray (AUG-SEP).
	water loss during		AND/OR
	storage, and produce a		LATE: Make application after
	more orderly harvesting		marketable color has developed

• Do not spray groves that are to be harvested early since fruit coloring will be delayed. Treated fruit has been known to re-green if allowed to remain on the tree for extended periods. Application made after December, or when trees begin to break dormancy, have been observed to adversely affect the new crop. Do not use concentrate sprays. Results have been known to vary from season to season depending on environmental conditions. The delay in rind aging is greatest when spray is applied before color change. This spray timing produces the firmest rind possible.

pattern.

(OCT-DEC).

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	CITRUS: FIELD A	···	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i./acre)	APPLICATION TIMING
Star Ruby	To reduce early-season	25-35	Make a single dilute application
Grapefruit (Not	small fruit drop of Star	25-55	during the bloom period.
for use in	Ruby Variety thereby		during the broom period.
California)			
	increasing yields.		\`
NOTE:	C	· · ·	
	y vary from season to seasor		
	well-balanced fertilization a		
Clementine	To increase fruit set and	1-8 grams	Make one to two applications from
Mandarin	yield	a.i. per 100	early bloom up to 4 weeks after
		gallons of	petal fall. Allow a minimum of
		spray	three days between sprays. Use a
		volume	dilute spray with sufficient spray
			volume for adequate coverage of
NOTE:			tree canopy.
as a result o	rs to affect the degree of fru f excessive fruit set.	it set achieved	1. Reductions in final fruit size occur
as a result o		it set achieved $8-30$	<ul> <li>Reductions in final fruit size occur</li> <li>Make one to two applications</li> </ul>
	f excessive fruit set.		Make one to two applications
as a result o Tangerine Hybrids	f excessive fruit set. To increase fruit set and		Make one to two applications
as a result o Tangerine Hybrids (Orlando,	f excessive fruit set. To increase fruit set and yield. The number of		Make one to two applications during the bloom period. Apply as
as a result o Tangerine Hybrids (Orlando, Robinson,	of excessive fruit set. To increase fruit set and yield. The number of applications depends on		Make one to two applications during the bloom period. Apply as
as a result o Tangerine Hybrids (Orlando, Robinson, Minneola,	of excessive fruit set. To increase fruit set and yield. The number of applications depends on		Make one to two applications during the bloom period. Apply as
as a result o Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and	of excessive fruit set. To increase fruit set and yield. The number of applications depends on		Make one to two applications during the bloom period. Apply as
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for	of excessive fruit set. To increase fruit set and yield. The number of applications depends on		Make one to two applications during the bloom period. Apply as
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California)	of excessive fruit set. To increase fruit set and yield. The number of applications depends on		Make one to two applications during the bloom period. Apply as
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE:	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set.	8-30	Make one to two applications during the bloom period. Apply as a dilute spray.
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set.	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray.
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set.	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress.
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for <u>use in California)</u> NOTE: • Fruit size h <u>slight increa</u> Navel and	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set.	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. Make a single application in
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. Make a single application in December - January. Apply in
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. Make a single application in
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. Make a single application in December - January. Apply in 125-175 gallons of water per acre with a pure organo-silicone type
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use	of excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. Make a single application in December - January. Apply in 125-175 gallons of water per acre with a pure organo-silicone type
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use only)	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce as in mature leaf drop occu To enhance fruit set and yield.	8-30 d and color de rs sometime in 15-25	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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).
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use only)	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and yield. To enhance fruit set and	8 – 30 d and color de	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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). Make a single application in
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for <u>use in California</u> ) NOTE: • Fruit size h <u>slight increa</u> Navel and Valencia Orange (For Florida use only) Ambersweet Orange (For	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce as in mature leaf drop occu To enhance fruit set and yield.	8-30 d and color de rs sometime in 15-25	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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). Make a single application in January. Apply in 125-175
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for <u>use in California</u> ) NOTE: • Fruit size h <u>slight increa</u> Navel and Valencia Orange (For Florida use only) Ambersweet Orange (For	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and yield. To enhance fruit set and	8-30 d and color de rs sometime in 15-25	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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). Make a single application in January. Apply in 125-175 gallons of water per acre with a
as a result of Tangerine Hybrids (Orlando, Robinson, Minneola, Sunburst, and others) (Not for use in California) NOTE: • Fruit size h slight increa Navel and Valencia Orange (For Florida use	f excessive fruit set. To increase fruit set and yield. The number of applications depends on desired fruit set. as been known to be reduce ase in mature leaf drop occu To enhance fruit set and yield. To enhance fruit set and	8-30 d and color de rs sometime in 15-25	Make one to two applications during the bloom period. Apply as a dilute spray. evelopment slightly retarded. A n trees under stress. 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). Make a single application in January. Apply in 125-175

	CITRUS: FIELD APPLICATIONS (con't)			
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i./acre)	APPLICATION TIMING	
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).	

# • FRUIT CORPS

	FRU	<b>IT CROPS</b>	·
CROP/	OBJECTIVE/	RATE (grams	APPLICATION TIMING
CULTIVAR	BENEFIT	a.i./acre)	
Banana (not for use in California)	To stimulate plant growth, and to overcome the effects of stress caused by insect, disease or adverse weather. These applications have been observed to improve fruit size and quality and overall yield	<u>Aerial spray</u> : Apply 6 to 20 grams a.i. per acre per spray. Use sufficient water volume to achieve adequate coverage of the	Make applications every 3-4 weeks throughout the year. Use higher rates prior to, and during the periods of intense stress. It is permissible to tank-mix with the standard pesticide treatments applied by air.
		canopy <u>Ground spray:</u> Apply 6 to 20 grams a.i. per acre per spray. Use sufficient water volume to achieve adequate coverage of the canopy.	Direct applications to the daughter plants. Make first application when the daughter plant is selected. Make applications every 3-4 weeks throughout the year as needed. Use higher rates prior to, and during the periods of intense stress. It is permissible to tank-mix the product with pesticides.
	To stimulate early growth in new plantations, increase plant vigor and accelerate the time to flowering.	Apply 2-16 grams a.i. per acre per spray. Use sufficient water volume to achieve adequate coverage of the canopy.	Make the first application a few days after transplanting, when plants are established. Repeat applications at 3-4 weeks intervals.
	Application by injection into the pseudostem		NOTE: Make sure that the needle tip does not touch the growing tissue at the center of the pseudostem.
	1. To promote Plant Growth:	Apply 5 ml per plant of a 640- 1280 ppm solution. Apply 50 – 400	Apply to plants over 5 feet tall on a monthly basis until flowering occurs. Make one application per generation
	2. To promote healthy root system	ml per plant of a 250-1000 ppm solution	

	FRUIT CROPS (con't)			
CROP/	OBJECTIVE/	RATE (grams	APPLICATION TIMING	
CULTIVAR	BENEFIT	a.i./acre)		
Blueberry	To improve fruit set.	40-80	Make a single application of 80	
(Not for use in			grams a.i. in 40 to 100 gallons of	
California)			water/acre. Apply at full bloom	
			(when 75% of the flowers are fully	
<u>Highbush:</u>		· · .	open).	
Coville, Jersey,	· .		OR	
Stanley, Earliblue,			Make two applications at 40	
Weymouth,			grams a.i./acre in 40 to 100 gallons	
Walcott, Berkeley,			of water. Make the first	
Blueray, Bluecrop,			application at full bloom, and the	
1316A, Concord,			second one within 10-14 days of	
and others		· ·	the first one. To increase size of	
			"shot" berries in Weymouth, delay	
			the application up to two weeks	
			after bloom.	
Blueberry:	To improve fruit set.	40-80	Make a single application of 40 to	
(Not for use in			80 grams a.i./acre in 40 -to-100	
California)		•	gallons of water per acre when	
			most of the flowers are elongated	
Rabbiteye:			but not yet open (bloom Stage 5).	
Aliceblue,			OR	
Beckyblue,			Make two to four applications 10-	
Bonita,		1	to-14 days apart starting at bloom	
Brightwell,			Stage 5. Spray 20 to 40 grams	
Climax, Delite,			a.i./acre in 40 to 100 - gallons of	
Tiftblue,			water per application.	
Woodward, and				
others.				
Banana	To simulate bunch fruit	Apply a solution	Make application prior to bunch	
(not for use in	development, improving	of 200 – 500	bagging program or approximately	
California)	fruit size and quality, and	ppm. Use	14 days after floral bunch	
	overall yield.	sufficient water	emergence. It is permissible to	
н. 	- · ·	volume to	tank-mix with the standard	
		achieve adequate	pesticide treatments.	
		coverage of	·	
	·	bunch and fruit.		
	Post-harvest treatment	Apply a solution	Apply after washing the fruit and	
		of 750 to 1500	before packing. It is permissible to	
	To extend fruit green life	ppm . The	tank-mix with other protectants.	
		solution can be		
		sprayed or		
		brushed to the		
		crown.	· ·	
		L		

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CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	ROPS (Con't) RATE	APPLICATION TIMING
		(grams a.i.	
		/acre)	
Pineapple	To improve fruit size.	Apply 125-	Apply after flowering. Make 2
not for use in	1	250 grams a.i.	applications at 3-5 weeks intervals.
California)		per acre per	Direct sprays to the fruit. Use
· · · ·		application.	sufficient water to achieve adequate coverage.
	To improve uniformity of	Apply 12-24	Make the first application a few
	fruit maturity and enhance	grams a.i. per	days after planting when plants are
	harvest efficiency.	acre per	established. Repeat applications at
		application.	3-4 weeks intervals.
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:	· ·	l	volume to ensure thorough wetting.
	lopment and harvest date may b	e slightly delaye	d
	rates with heavier crop loads.	c singhtly uclaye	
Sweet Cherry	To produce larger, brighter	16-48	Make 2 applications. Apply 1/3 to
Not for use in	colored, firmer fruit in	10-40	$\frac{1}{2}$ of the total desired amount when
California)	cultivars with uneven		the majority of the fruit is
camonia)	maturity	. · ·	translucent green. Apply the
	, maran ny		remaining material 3-7 days later,
			when the majority of the fruit is
			straw colored.
		l	

CROP/VARIETY	· · · · · · · · · · · · · · · · · · ·	ROPS (Con't) RATE (grams a.i.	APPLICATION
		/acre)	TIMING
Sour Cherry	To maintain and extend	4-18	Apply one spray 14-to-28
(Not for use in	high fruiting capacity of		days after bloom.
California)	sour cherry trees by		Optimum timing is define
	promoting spur formation		as that stage when 3-to-5
· .	and reducing the	,	terminal leaves have fully
	occurrence of "blind"	•	expanded, or, at least 1-to
	nodes. Spur formation is		3 inches of terminal shoot
	apparent the year after		extension has occurred.
	application. Therefore,		Use 4 to 18 grams a.i./acro
	changes in shoot, spur, and		depending on tree age and
	flower production will not		vigor (See Table below).
	be evident until two or		Apply as a dilute spray in
۰.	three years after program	•	sufficient water to ensure
	initiation. Applications		thorough wetting, or as a
·	must be applied annually to		concentrate spray ensuring
	ensure spur development		uniform coverage.
	and subsequent yield		
	improvement year after		
	vear.		

• 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. Use lowest rates 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 are obtained when combined with good cultural practices

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

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 CROPS (con't)			
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING
Stone Fruit Group	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.

• This application has occasionally caused reduction in flower counts the year following the application, particularly if it is made during the months of May through July.

Italian	Prune	To reduce internal	16-48	Make a single application four to five
(Not fo	use in	browning, improve quality,		weeks before expected harvest.
Califor	nia)	and increase size.		Apply in sufficient water volume to
	,			ensure thorough wetting.

NOTE:

• Color development and harvest have occasionally been slightly delayed. Observation of reduced bloom the following season is occasionally seen.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. /acre)	APPLICATION TIMING
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
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.

• Not for use on fruiting plants. Treatments have not been effective on planting set out after mid-May.

• Response varies with cultivar and location. Consult your Valent representative or local horticulturist for specific recommendations.

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

NOTE:

- Applications made later than indicated have been known to 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

	VEGETAB	· · · · · · · · · · · · · · · · · · ·	ADDI ICATION TRADIC
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. / acre)	APPLICATION TIMING
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 delay leaf senescence. Maintaining vigorous foliage has been shown to help reduce incidence of infection by <i>Alternaria</i> <i>dauci</i> .	1-6	Make the first application 4 –6 weeks after emergence using commercial ground or aerial equipment with spray concentrations of 20-30 ppm. In severe disease situation or cool weather a second spray 14 days later is sometime required to achieve the desired amount of foliar recovery. Do not apply more than twice per crop.
	greater concentration can incr with a second application.	ease the risk o	f excessive top growth,
Celery NOTE:	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 pe 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 by air in California. Do not app bolting has been known to occur.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. / acre)	't) APPLICATION TIMING			
Cucumber (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. It is acceptable to use up to four applications. Use sufficient water volume for thorough coverage of exposed foliage.			
NOTE:		· · · · · ·				
		ood condition,	except for reduced rate of growth			
	Im benefits, vines must be in g temperatures. To obtain uniform bolting and increase seed production	ood condition,	except for reduced rate of growth Apply one to four applications at two-week intervals, beginning at the fourth true leaf. Use sufficient water volume to ensure thorough wetting.			
due to cool	To obtain uniform bolting and increase seed		Apply one to four applications at two-week intervals, beginning at the fourth true leaf. Use sufficient water volume to ensure thorough			

• For maximum benefits, vines must be in good condition, except for reduced rate of growth due to cool temperatures.

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CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (grams a.i. / acre)	't) APPLICATION TIMING			
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:						
• This use is for growth.	or areas with short growing se	asons, or when	low temperatures slow plant			
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 rate problems.	e is most efficacious for areas	and/or varietie	s with pollination and/or fruit set			
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.			
NOTE:	1	1				
• The high rate	e is for plants with heavy fruit	t loads.				
Potato seed	To stimulate uniform sprouting to aid in	0.2- 0.4 (grams in 100 gallons)	Dip whole or cut seed pieces in a solution containing 0.2-to-0.4 grams a.i. in 100 gallons of			

treat rested seed pieces.

VEGETABLES (Con't)						
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING			
		(grams				
·		a.i. /acre)				
Rhubarb	To break dormancy on	10-20	1) When the rest period is not			
	plants receiving	in 10	completely broken, make a single			
-	insufficient chilling and	gallons	application of 2 fluid ounces (60 ml			
	to increase marketable	of water	of a solution containing 20 grams			
·	yield of forced rhubarb		a.i. in 10 gallons of water to each			
			cleaned crown.			
	•		2) 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.			
NOTE:		-				
Keep forcin	g house temperatures at 40	$50^{\circ}$ F for 2	24 hours after application. If house is			
warmer than	n 50°F, crowns should be c	overed with	plastic. Temperatures above 50°F			
	yields and cause poor stalk		· ·			
Spinach, Mustard	To facilitate harvest,	4-10	Apply a single spray 10-to-18 days			
-	-					
oreens contant	Increase vield and		before each anticipated harvest on			
	increase yield and improve quality of fall		before each anticipated harvest on fall or over-winter crops ideally			
greens and Turnip	improve quality of fall		fall or over-winter crops, ideally			
greens and Turnip greens	÷ .		fall or over-winter crops, ideally when daytime temperatures are 40°			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early morning			
greens, Collard greens and Turnip greens (not for use in California)	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early morning hours when dew is present on crop.			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early mornin 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			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early mornin hours when dew is present on crop. Make applications in 10-to-50 gallons of water per acre by ground			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early mornin 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.			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, ideally when daytime temperatures are 40° F-to-70° F and during early mornin 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			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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.			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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			
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greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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 prevail following application and growth would be otherwise slowed in untreated			
greens and Turnip greens (not for use in	improve quality of fall		fall or over-winter crops, 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 prevail following application and growth would be			

• Since the promotion of bolting has been known to occur, do not apply after the midwinter period or if temperatures are 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
Watercress (not for use in California)	1) To enhance growth in adverse weather conditions; 2) To help plants resume growth after insect and disease attacks; 3) To increase root free stem length during low light/short day conditions.	15-25 per application	Make one or two applications per acre per crop 3 to 7 days before harvest. Use 50-100 gallons of water per acre. Spray only when there is no standing water in bed.
Hops: Seeded and seedless Fuggle hops and similar varieties adapted to the Northwestern states.	To increase fruit set and yield.	4 – <u>6</u>	Make a single application in 100- 150 gallons of water per acre when vine growth is 5-8 feet in length.

# **CONVERSION TABLE**

# ProGibb 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			

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

Gallon	parts per million (ppm)								
s of Water	4	5	6	8	10	15	20	30	40
75	6.0	7.5	9.0	12.0	15.0	22.5		50.0	60.0
100	8.0	10.0	12.0	16.0	20.0	30.0	40:0	60.0	80.0
125	10.0	12.5	15.0	20.0	25.0	37.5	50.0	75.0	100.0
150	12.0	15.0	18.0	24.0	30.0	45.0	60.0	90.0	120.0
200	16.0	20.0	24.0	32.0	40.0	60.0	80:0	120.0	160.0
250	20.0	25.0	A 30.0	40.0	÷ 50:0	75.0	100.0	150.0	
300	24.0	30.0	48.0	48.0	60.0	90.0	120.0		
400	32.0	40.0	64.0	64.0	80.0	120.0	160.0		

NOTE: The numbers inside the table are the grams of ProGibb Plus 2X needed to obtain the desired ppm's for each gallonage.

Example:

To make 250 gallons of a 20 ppm gibberellic acid solution, dissolve 100 grams of ProGibb Plus 2X in 250 gallons of water.

#### 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 DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse container (or equivalent) promptly after emptying. 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 ¼ 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. Once cleaned, 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.

### Warranty and Disclaimer Statement

## TO THE FULLEST EXTENT PERMITTED BY LAW, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE CONCERNING THE 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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