-3049-49	හි UNITED		12/20/7 VIRONMENTAL			ENCY	1(
						PA Reg. Number:	Date of issuance:
UNITED STATES			BROTESTION				
STUDIOUS CONTECTION		Office of Pes	L PROTECTION / ticide Programs		·	3049-498	DEC 20 2013
on the state		200 Pennsylv	n Prevention Divis vania Avenue NW		(P)		
ANAL PROTECTIC		Washingto	n, DC 20460		Ter	m of Issuance:	Unconditional
	NOTICE	OF PESTIC	IDE:		Nar	me of Pesticide Pro	duct:
		<u>X</u> Regist			Pr	oGibb I V P	LUS Plant Growth
			istration RA, as amended)				tor Solution
Name and Address of Reg	jistrant (include ZIP Code	e):					
Jayne Walz	<b>.</b>						
Valent BioSciences 870 Technology Wa							2
Libertyville, IL 60048					,		
Note: Changes in labe Biopesticides and Pollu	ution Prevention Divisi	ince from that a ion prior to use (	of the label in connection	erce. In a	s registration mi ny corresponde	ust be submitted ince on this prod	to and accepted by the uct always refer to the
above EPA registration	number.						;
On the basis of informa and Rodenticide Act.	ation furnished by the	registrant, the a	bove named pestici	de is hereb	by registered ur	ider the Federal	Insecticide, Fungicide
Registration is in no wa							
environment, the Admin acceptance of any name exclusive use of the na	ne in connection with t	he registration of	of a product under th				
This registration d							
							require submission
of such data under Sec. $3(c)(5)$ provide		b) of FIFRA.	I his product is	uncondi	tionally regis	stered in acco	rdance with FIFRA
Sec. 5(c)(5) provid	ied you.						
	or cite all data red					RA section 3(	c)(5) when the
Agency requ	uires all registrant	s of similar p	products to subn	nit such o	data.		
2. Revise the E	EPA Registration	Number to re	ead "FPA Reg	No. 730	49-498 "		
2. Revise the f	A Registration		Lad, LITTICE.	10.750	TV TV <b>U</b> ,		
	outstanding data i						
	tics (OCSPP Guid	leline 830.63	20) within one	ear of th	ne date of thi	is Notice of P	esticide
Registration							
4. Submit two (	(2) copies of the f	inal printed l	abeling before y	vou relea	se the produ	ct for shipme	nt. Refer to the A-
	e for a further des				-	-	
A stamped copy of	and the second se	osed for your	records.				
Signature of Approv		$\cap$			Date:		
~	$\nabla S V V$	h					
	ALTer					2 2	
	Flowly	2			12/1	20/13	
Robert McNally, D	irector,	0			12/1	20/13	
Robert McNally, D Biopesticides and Po	irector,	0	CONCURRENC	ES	12/3	20 (13	
Robert McNally, D Biopesticides and Po PA Form 8570-6	irector, Contraction	Division	CONCURRENC 7511 P	ES	12/3		· ·
Robert McNally, D Biopesticides and Po PA Form 8570-6 - 7511P	irector, ollution Prevention 7511 P	Division	75119	ES .		20   13	·····
Robert McNally, D Biopesticides and Po PA Form 8570-6	irector, ollution Prevention 7511 P	Division		ES .		20 (13	

## MASTER LABEL

### Primary Product name: ProGibb LV PLUS Plant Growth Regulator Solution

Sublabel I: PROGIBB LV PLUS Plant Growth Regulator Solution; For use on artichoke, avocado, banana, blueberry, carrot, celery, cherries, citrus, collard greens, cotton, cranberry, cucumber, dry bean, grapes, hops, Italian prune, lettuce for seed, melon, mustard, peanut, pecan, pepper, pineapple, potato seed, rhubarb, rice, soybean, spinach, stone fruit, strawberry, turnip greens, and watercress.

Sublabel II: PROGIBB LV PLUS T&O Plant Growth Regulator Solution; For use on Turf and Ornamental Plants

For Organic Production.

Active Ingredient:	
Gibberellic Acid	5.7 % w/w
Other Ingredients	94.3 % w/w
Total	

PROGIBB LV PLUS contains approximately 2.0 grams active ingredient per fluid ounce of formulated product.

## KEEP OUT OF REACH OF CHILDREN CAUTION - PRECAUCIÓN

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).

For MEDICAL and TRANSPORT Emergencies ONLY Call 24 Hours A Day 1-800-892-0099. For All Other Information Call 1-800-6-VALENT

EPA Registration No. 73049-XXX EPA Establishment No.

Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048



Net Contents:

DEC 2 0 2013

1

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

73049-498

## SUB LABEL I

### **PROGIBB LV PLUS Plant Growth Regulator Solution**

Sublabel I: PROGIBB LV PLUS Plant Growth Regulator Solution; For use on artichoke, avocado, banana, blueberry, carrot, celery, cherries, citrus, collard greens, cotton, cranberry, cucumber, dry bean, grapes, hops, Italian prune, lettuce for seed, melon, mustard, peanut, pecan, pepper, pineapple, potato seed, rhubarb, rice, soybean, spinach, stone fruit, strawberry, turnip greens, and watercress.

ALC: N

St CALAN

化化合物合物

2

Barden Black Berekora on teoren och stander Barden Berekora och och och berekora Barden Barden och och och och och barden Bard

PROGIBB LV PLUS Plant Growth Regulator Solution For Agricultural Use.

For Organic Production.

4156

Active Ingredient:	and a second
Gibberellic Acid	 5.7 % w/w
Other Ingredients	 
0	

PROGIBB LV PLUS liquid contains approximately 2.0 grams active ingredient per fluid ounce of formulated product.

# **KEEP OUT OF REACH OF CHILDREN** CAUTION - PRECAUCIÓN

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).

For MEDICAL and TRANSPORT Emergencies ONLY Call 24 Hours A Day 1-800-892-0099. For All Other Information Call 1-800-6-VALENT

EPA Registration No. 73049-XXX EPA Establishment No.

Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048

Net Contents:

	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 swallowed	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swailow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person</li> </ul>

If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further 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>
Have the product contai	<b>HOT LINE NUMBER</b>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-800-892-0099 for treatment information.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

# CAUTION

Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### 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 category selection chart.

Applicators and other handlers must wear:

- • Long sleeved shirt
- Long pants
- Chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, and viton
- Shoes plus socks
- Protective everyear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

6156

• User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of 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 disposing of equipment washwaters or 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 requirements specific to your State or Tribe, consult the State or Tribal 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.

EXCEPTION: If the product is soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

• Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber. neoprene rubber, polyvinyl chloride, and viton

- Shoes plus socks
- Protective eyewear

### GENERAL USE INSTRUCTIONS

Use only as directed. Read the label thoroughly and understand it before making applications. Keep out of reach of children.

Do not apply this product through any type of irrigation system, unless otherwise permitted on the label.

### **Application Instructions:**

PROGIBB LV PLUS Plant Growth Regulator Solution (hereafter referred to as PROGIBB LV PLUS) 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, results 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 directed 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 most efficacious results, use water with a pH of 4.0 to 8.5. Use a buffer for water with pH above or below this range.

• PROGIBB LV PLUS 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.

• Rain fastness: Re-apply PROGIBB LV PLUS if significant rain occurs within 2 hours of application.

• Compatibility: When considering tank mixing with other products, use the following compatibility just test before mixing a whole tank.

• Do not apply using ULV application methods. For aerial applications spray volumes must be greater than 2 gellons per acre (10 gallons per acre for tree crops).

• No pre-harvest interval is required for this product.

## COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Compatibility and performance data for PROGIBB LV PLUS with other agricultural products are not necessarily available.

Do not tank mix PROGIBB LV PLUS with other products unless compatibility has been verified. If considering tank mixing PROGIBB LV PLUS with other products use the following compatibility jar test before mixing a whole tank:

Add water from the same water source to a clear glass or plastic jar. Add the pesticides in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated area to evaluate for phytotoxicity or ineffectiveness.

Always read and follow all label directions and precautions of each product. When using combinations of products the most restrictive of label limitations and precautions must be followed. Do not mix with any pesticide that has a prohibition against tank mixing. For further information consult your Valent agricultural specialist.

### **DIRECTIONS FOR CHEMIGATION**

Fill the supply tank with the desired amount of water. Then add the amount of PROGIBB LV PLUS required in order to achieve the final solution rate recommended for the specific crop to be treated. Agitate the mixture of PROGIBB LV PLUS frequently during the chemigation period to assure a uniform distribution throughout the system. Apply PROGIBB LV PLUS continuously for the duration of the water application but do not exceed recommended rates and volumes as outlined on the product label.

# CHEMIGATION PRECAUTIONS

Apply this product only through the following systems: Overhead sprinklers such as impact, micro-sprinklers, or booms.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Prior to application ensure that the chemigation system meets the following requirements: The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source containnation from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

In addition to the above use rates and recommendations, the following precautions must be observed when using this product in any type of irrigation system:

## CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fund oack toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and

constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

# SPRAY INSTRUCTIONS FOR CROP CATEGORIES and the second second

### 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.

the start of the second s	<u> </u>		
SEEDLESS_T.	ABLE GRAPE		
CLUŠTER STR	ETCH SPRAYS	n an an ann an an an an an an an an an a	
OBJECTIVE/BENEFIT	APPLICA	<b>FION TIMING</b>	
For cluster elongation and looser cluster	Make one to three ap	plications 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		1	
bunch rot, and increase light penetration to aid	San an a	· · ·	
in sugar development.		a se test a se se se	
CROP/CULTIVAR			
e has been performed to contraction and a second	Grams a.i. /acre 💰	Ounces Product /acre	
Perlette Seedless	8-24	<b>4-12</b>	
Flame Seedless	8-24	4-12	
Thompson Seedless	8-24	4-12	
Raisin	8-24	4-12	
Other Seedless Grapes	No data is ava	ailable at this time.	
的复数法律 人名格贝兰 对于所有	· · · · · · · · · · · · · · · · · · ·		

- 「日本語を発生する」 - 1995年 - 小学報道の名言語の「日本語の」 - 1995年 - 小学報道の名言語の「日本語の」 4 

المحمد بالمحمد وينه من المحمد المحمد المحمد المحمد المحمد المحمد والمحمد المحمد المحمد المحمد المحمد المحمد ال المحمد المحمد

Only 1-2 applications Grape". When the blo	lications during bloom. for "Other Seedless oom period is extended, ys 1 to 7 days after the RATE
Make one to four appl Only 1-2 applications Grape". When the blo make subsequent spra first application <b>RATE</b>	lications during bloom. for "Other Seedless oom period is extended, ys 1 to 7 days after the RATE
Only 1-2 applications Grape". When the blo make subsequent spra first application RATE	for "Other Seedless oom period is extended, ys 1 to 7 days after the <b>RATE</b>
Grape". When the blo make subsequent spra first application RATE	oom period is extended, ys 1 to 7 days after the <b>RATE</b>
make subsequent spra first application <b>RATE</b>	ys 1 to 7 days after the <b>RATE</b>
first application RATE	RATE
RATE	•
	•
Grams a.i. /acre	
	Ounces Product /acre
No data is available fo	or this variety/timing at
this time.	
1 P.R. B. LEE 0	
	1.5-8
	,4 <b>≑10</b>
	1.5-6
0.5-12	0.25-6
	Constant and the second
	n an excess of shot 🗦 👘
	igor. The state of
ome of the new cultiva	ars are very responsive
	No data is available for his time. 3-16 8-20 3-12 0.5-12 sometimes resulted in or vines with high v

and are known to over-thin easily. Consult a Valent representative or local specialist before thinning unfamiliar cultivars.

		 î.,	٠.,	.^	- 27	÷	
•	÷. ·			• •			

		e se	
SEEDLESS TA	BLE GRAPE	an a	
BUN	AP SPRAY		
OBJECTIVE/BENEFIT	APPLICATION TI	MING	
To help initiate the beginning of the berry growth period	Make one application during the period between the last thinning spray and the fin sizing spray.		
CROP/CULTIVAR	RATE Grams a.i. /acre	RATE Ounces Product /acre	
Seedléss Grapes	16-24	8-12	

٠,

		ABLE GRAPE		
·	BERRY SIZ	ING SPRAYS	<u> </u>	
<b>OBJECTIVE/BENEFI</b>		<b>APPLICATION TI</b>	MING	
For larger berries and lar used in conjunction with and thinning practices		Make one to four applications beginning whe 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	RATE Ounces Product /acre	
Perlette Seedless	4-5 mm	32-128	16-64	
Flame Seedless	6-9 mm	20-128	10-64	
Thompson Seedless	3-5 mm	32-128	16-64	
Raisin	3-5 mm	4-20	2-10	

NOTE:

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

- reduce fruitfulness (cluster counts) the following year,

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

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

OBJECTIVE/BENEFIT	APPLICA	
To increase berry size.	Apply 20 - 50 ppm GA3 solut cluster when berries reach 3-1	ion as a dip or direct spray to the 4 mm.
11 2 4 3 B	Rate Per 5 Gall	ons Treatment Selutier
CROP/ CULTIVAR	PPM AI	Ounces Product
Table Grapes	20 - 50	0.2 - 0.5

sizing cultivars with which there is no familiarity.

······································	and the second		GRAPES	······································
OBJECTIVE/BEN	EFIT	an shiri an Shuhir sh	<b>APPLICATION TH</b>	
	ze in listed cultivars; shrivel in Emperor.	and	diameter range. Make	a during the indicated berry e the application as a whole ay or dip directly to the
CROP/ CULTIVAR	Berry Diameter (mm)*		Vhole vine spray. e in grams a.i. /acre	Direct spray to the cluster only or dip the clusters. Rate in ppm's of a.i.
Emperor	12-16		20	40-50
Red Globe	12-18 ****	· · ·	20,	40-50
Calmeria	12-16		20	40-50
Christmas Rose	12-16		20	40-50
Rogue	12-16		20	40-50
Queens	12-15		20	40-50
Other varieties	12-15		118	40-50
* Predominant averag	ge berry diameter for thi	s applic	ation.	

High amounts of gibberellic acid have occasionally delayed berry skin color development, sugars accumulation and overall maturation.
Consult a Valent representative or local specialist before sizing unfamiliar cultivars.

APPLICATION TIMINO	Internation with the second
Make one application 3-5 day	ys after full bloom, but
before shatter begins.	de la servició de la s
RATE	RATE
Grams a.i. /acre	Product/acre
1-12	0.5 – 6 oz
	(15-177 ml)
	the second second second
	Make one application 3-5 day before shatter begins. <b>RATE</b> <b>Grams a.i. /acre</b> 1-12

12

the subject of the second s

WINE GRAPE				
OBJECTIVE/BENEFIT	<b>APPLICATION TIMING</b>	······································		
To increase cluster length and improve air Make a single spray. Apply when the cluster				
circulation and light penetration within the	found in the dominant sho	ots arising from		
cluster. Under certain conditions this	buds on count spurs are sta	arting to elongate		
application is known to help reduce the	and show separation of the			
incidence of bunch rot and sour rot.	groups. This timing usual			
	average cluster length of 3			
ALWAYS consult the Valent representative or	overall cluster length range			
the local agricultural specialist before making	follow the rate directions g			
this application if there is no prior experience	below. Use 100 gallons of	water per acre.		
with this application.				
CROP/CULTIVAR	RATE			
	Grams a.i. /acre	RATE Product /acre		
Palomino	0.4-1	0.2-0.5 oz		
Sauvignon Blanc	0.4-1	(6-15 ml)		
Tinta Madeira		(0-15 m)		
Aleatico	1-2	0.5-1 oz		
Carignane		(15- 30 ml)		
Chardonney				
Chenin Blanc				
French Colombard		• • • • •		
Pinot Noir		2 <b>.</b>		
Valdepenas and an and the first second sector		·		
Barbera	2-4	1-2 oz		
Petite Sirah		(30-59 ml)		
Zinfandel		د. ا ۲۰۰ <u> </u>		
Green Hungarian	4-8	2-4 oz		
Grenache Alicante. Large west was a second of				
Salvadore and the state of the state of the		, <b>4-8</b> .oz		
NOTE:				
• DO NOT make this application less than thr	ee weeks before anticipated	bloom.		

De normake uns application less man unce weeks before antrepace of oom.
 This application will most likely cause some reduction in yield of seeded wine grape cultivars.
 This reduction in yield results from: a) increase in shot berries in the year of application; b) reduction in fruitfulness (cluster counts) in the first and second year following the application.

# **CITRUS**

ing is for an

. . .

1., 1.

For citrus, apply in sprays of sufficient water volumes to ensure thorough fruit vetting. 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) has sometimes caused 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 PROGIPS LV PLUS application has been known to result in significant leaf drop and fruit drop.

<u></u>	<b>CITRUS: FIELD</b>	APPLICAT	IONS
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING
CROITTINGETT		/acre	
Navel Orange	To delay rind aging,	16-48	Make one or two applications as
	reduce physiological	grams a.i.	a concentrate or dilute spray.
	disorders (e.g., rind	C	
×	staining, water spotting,	(8-24 oz)	1) Early application: spray
	sticky or tacky surface,		approximately 2 weeks prior to
	puffy rind and rupture	ي آن ۽ ق	color break (typically August -
	under pressure), and	.1	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
			re-greening.
· · · · · · · · · · · · · · · · · · ·			
Valencia Orange	To reduce rind creasing	40-80	Make a single application as a
(For California	and to delay rind aging	grams a.i.	concentrate or dilute spray in
and Arizona use	and softening		August to October to target crop
only)		(20-40 oz)	of young fruit.
NOTE:			
-	-		y spray as fruit coloring will be
		y, as producti	on has occasionally been observed
to be reduced the fol		m the toward a	non Increased with the first of the
			rop. Increased re-greening of lor is achieved, treatment effects
	ed the longer treated fruit re		
All Round			Make a single application in
Oranges (For	softening of the rind, and	grams a.i.	August to October to trees with a
Florida use only)		: <u>-</u>	target crop of young fruit. The
		(10-30 oz)	
			type surfactant at 0.05% (6 oz /
			100 gallons) has been shown to
<u></u>	L		be beneficial.
· · · · · · · · · · · · · · · · · · ·			
e tua			
-		tan san	
		· · ·	
		9	

# 

(

15756

•

J

16/50

CITRUS: FIELD APPLICATIONS (con't)				
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING	
Lemon/Lime	To decrease the amount of small ripe fruit and produce a more desirable production pattern relative to market	10 – 32 grams a.i. (5-16 oz)	Make a single application when target crop is ½ to full size, but still green.	
NOTE	demand.			
NOTE: • When applied tw has been reported	wo years in a row, an even l	arger differen	ce in harvest pattern and maturity	
Tangerine	To delay disorders	20-40	Make one spray application two	
Hybrids (Orlando,	associated with rind aging, puffiness, and	grams a.i.	weeks prior to color break. Apply as a dilute spray.	
Robinson,	softening, and to	(10-20 oz)		
Minneola,	increase peel strength, of	· ·	· · · · ·	
Süñburst, and	tangerine hybrids	e di ser		
others)			energe de la companya de la company La companya de la comp	
	early harvest is planned. Do		ter coloring as pre-harvest rind pserved to result in variation in rind	
Grapefruit (Not for	To delay disorders	16 – 48	Make one or two dilute spray	
use in California)	associated with rind	grams a.i.	applications in sufficient volume	
	aging (e.g., puffiness, softening, and orange coloration), prevent	(8-24 oz)	to ensure coverage. Do not exceed 20 ppm a.i. in spray solution.	
en de de contra	preharvest drop of mature fruit, increase		EARLY: Make application two weeks prior to color break. Apply	
	peel strength, reduce water loss during		as a dilute spray (AUG-SEP). AND/OR	
	storage, and produce a more orderly harvesting pattern.		LATE: Make application after marketable color has developed (OCT-DEC).	

Do not spray groves that are to be harvested early since fruit coloring will be delayed. 9 Treated fruit has been known to re-green if allowed to remain on the tree for extended periods. Applications 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.

	CITRUS: FIELD AP		
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING
Star Ruby	To reduce early-season	25-35	Make a single dilute application
Grapefruit (Not for	small fruit drop of Star	grams a.i.	during the bloom period.
use in California)	Ruby Variety thereby		
	increasing yields.	(12.5-	
		17.5 oz)	
NOTE:		<b></b>	
	season to season dependin ation and watering program		mental conditions. Maintain a
Tangerine Hybrids	To increase fruit set and	8-30	Make one to two applications
(Orlando, Robinson,	yield. The number of	grams a.i.	during the bloom period. Apply a
Minneola, Sunburst,	applications depends on		a dilute spray.
and others) (Not for	desired fruit set.	(4-15 oz)	
use in California)	A		
NOTE:		Star and	
increase in mature lea	af drop occurs sometimes in	ntrees under	
increase in mature lea	af drop occurs sometimes in	ntrees under	stress.
increase in mature lea Navel, Valencia and Ambersweet	af drop occurs sometimes in To enhance fruit set and	trees under 15-25 grams a.i.	stress. Make a single dilute spray between mid December and late January using sufficient spray
increase in mature lea Navel, Valencia and	af drop occurs sometimes in To enhance fruit set and	trees under 15-25	stress. Make a single dilute spray between mid December and late January using sufficient spray
increase in mature lea Navel, Valencia and Ambersweet	af drop occurs sometimes in To enhance fruit set and	15-25 grams a.i (7.5-12.5	stress. Make a single dilute spray
increase in mature lea Navel, Valencia and Ambersweet Orange (For Florida use only)	af drop occurs sometimes in To enhance fruit set and	15-25 grams a.i. (7.5-12.5 oz)	stress. Make a single dilute spray between mid December and late January using sufficient spray volume for adequate coverage of tree canopy
increase in mature lea Navel, Valencia and Ambersweet Orange (For Florida	of drop occurs sometimes in To enhance fruit set and yield.	15-25 grams a.i. (7.5-12.5 oz) 15-25	stress. Make a single dilute spray between mid December and late January using sufficient spray volume for adequate coverage of tree canopy Make a single application in
increase in mature lea Navel, Valencia and Ambersweet Orange (For Florida use only) Grapefruit (Not for	of drop occurs sometimes in To enhance fruit set and yield. To enhance fruit set,	15-25 grams a.i. (7.5-12.5 oz) 15-25	stress. Make a single dilute spray between mid December and late January using sufficient spray volume for adequate coverage of tree canopy Make a single application in December - January. Apply in
increase in mature lea Navel, Valencia and Ambersweet Orange (For Florida use only) Grapefruit (Not for	of drop occurs sometimes in To enhance fruit set and yield. To enhance fruit set,	15-25 grams a.i. (7.5-12.5 oz) 15-25	stress. Make a single dilute spray between mid December and late January using sufficient spray volume for adequate coverage of tree canopy Make a single application in December - January. Apply in 125-175 gallons of water per acree
increase in mature lea Navel, Valencia and Ambersweet Orange (For Florida use only) Grapefruit (Not for	of drop occurs sometimes in To enhance fruit set and yield. To enhance fruit set,	15-25 grams a.i. (7.5-12.5 oz) 15-25 grams a.i. (7.5-12.5	stress. Make a single dilute spray between mid December and late January using sufficient spray volume for adequate coverage of tree canopy Make a single application in December - January. Apply in 125-175 gallons of water per acre

· (

CITRUS: CLEMENTINE MANDARIN			
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>		APPLICATION TIMING
Clementine	To increase fruit set and	1-40 grams	Make one to four applications
Mandarin	yield	a.i.	from early bloom up to 4 weeks
· ·		(0.5-20 oz)	after petal fall. Allow a minimum
			of three days between sprays. Use
			a dilute spray with sufficient spray
· · · ·			volume for adequate coverage of
			tree canopy.

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 have been observed to interact with the above factors to affect the degree of fruit set achieved. Reductions in final fruit size have on occasion occurred as a result of excessive fruit set.

CITRUS INCREASE JUICE YIELD			
CROP/ VARIETY	OBJECTIVE/ BENEFIT	<b>USE RATE / ACRE</b>	APPLICATION TIMING
Processing oranges	To increase juice extraction yield in late-harvested processing oranges.	20 gram a.i. (10 oz)	Make a single application at fruit color break in sufficient volume to ensure complete coverage of the fruits.

			an an ann an Anna an An
÷ .	and the second second second		* <u>.</u> .
		. And here	$(1,2,2,2,\ldots,p_{n-1}) \in \mathbb{R}^{n-1}$
•			
		: .	

# FRUIT CROPS

Ć

	FRUIT CROPS				
CROP/CULTIVAR	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING		
CROP/CULTIVAR Banana	OBJECTIVE/BENEFIT 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.	<b>RATE</b> <u>Aerial spray</u> : Apply 6 to 20 grams a.i. (3-10 oz) per acre per spray. Use sufficient water volume to achieve adequate coverage of the canopy	APPLICATION TIMING 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. 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		
· · · · · · · · · · · · · · · · · · ·	To stimulate early growth in new plantations, increase plant vigor and accelerate the time to flowering.	to achieve adequate coverage of the canopy. Apply 2-16 grams a.i (1- 8 oz). 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.		

19/56

(

Ċ

		,		
• • · · · · · · · · · · · · · · · · · ·	n tin transis. I		;	•

(

CROP/CULTIVAR	FRUIT C OBJECTIVE/BENEFIT	RATE	<b>ÀPPLICATION TIMING</b>
Banana (con't)	Application by injection		NOTE: Make sure that the
	into the pseudostem		needle tip does not touch the
		:	growing tissue at the center of
- 11 <sup>3</sup>			the pseudostem.
	1. To promote plant	Apply 5 ml	Apply to plants over 5 feet tal
	growth:	per plant of a	on a monthly basis until
		640-1280	flowering occurs. Make one
		ppm	application per generation
	n a de la constante de la const	solution.	
	land and a second s		
	2. To promote healthy	Apply 50 –	
	root system	400 ml per	
	and the second	plant of a	
		250-1000	
્યું કર્યું. સુ	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ppm solution	
	To stimulate bunch fruit	Apply a	Make 1-2 applications prior to
، جمری کی کی کی در از این کر از این کر از این کر از این کر	development, improving	*solution of	bunch bagging program or
	fruit size and quality,	200 – 500	approximately 7-14 days after
	and overall yield.	ppm. Use	floral bunch emergence. It is
	n 20 - Carrier y Course de la Course de 1910	sufficient	permissible to tank-mix with
		water volume	standard pesticide treatments
	till by the	to achieve	· · ·
		adequate	
		coverage of	· · ·
t sign to	n an	bunch and	,
		fruit.	
· · ·	To improve fruit size.	Apply 125-	Apply after flowering. Make
		250 grams	applications at 3-5 weeks
		a.i. per	intervals. Direct sprays to the
· · · · · · · · ·		application.	fruit. Use sufficient water to
			achieve adequate coverage.
Pineapple	To improve fruit size as	Apply 400	Apply 14-18 weeks post-
	a single spray	grams a.i.	flowering
	To improve uniformity	Apply 12-24	Make the first application a fe
	of fruit maturity and	grams a.i. per	days after planting when plant
	enhance harvest	application.	are established. Repeat
	efficiency.		applications at 3-4 weeks
· · · · · · · · · · · · · · · · · · ·			intervals.

19

.

Pineapple (con't)	To improve uniformity	Apply 12-24	Make the first application a few
	of fruit maturity and	grams a.i. per	days after planting when plants
· · ·	enhance harvest	application.	are established. Repeat
•	efficiency.	· · · · ·	applications at 3-4 weeks
	· · · · · · · · · · · · · · · · · · ·		intervals.
	To improve fruit set.	40-80 grams	Make a single application of 80
	· · ·	a.i.	grams a.i. in 40 to 100 gallons of
			water/acre. Apply at full bloom
. et		(20-40 oz)	(when 75% of the flowers are
	· · · · ·		fully open).
			OR Malas two angligations at 40
· · ·			Make two applications at 40 grams a.i./acre in 40 to100
		:	gallons of water. Make the first
			application at full bloom, and the
		i san sa tar	second one within 10-14 days of
			the first one. To increase size of
		:	"shot" berries in Weymouth,
			delay the application up to two
		ana an	weeks after bloom.
Blueberry	To improve fruit set.	40-80 grams	Make a single application of 40
(Not for use in		a.i.	to 80 grams a.i./acre in 40 to 100
California)		14 A A A A A A A A A A A A A A A A A A A	gallons of water per acre when
Highbush:		(20-40 oz)	most of the flowers are elongated
Coville, Jersey,	Program and the second second second	2.1	but not yet open (bloom Stage 5).
Stanley,			OR
Earliblue,		1	Make two to four applications 10
Weymouth,	· · · ·		to 14 days apart starting at bloom
Walcott,			Stage 5. Spray 20 to 40 grams
Berkeley,		(* ) 	a.i./acre in 40 to 100 gallons of
Blueray,		1 - 1 - Perri	water per application.
Bluecrop, 1316A,	and the state of the state of the		i.
Concord, and others		÷,	1
Blueberry:	To improve fruit set.	40-80 grams	Make a single application of 40
(Not for use in	10 mprove nuit set.	40-60 grains a.i.	to 80 grams a.i./acre in 40 to 100
California)		u. <u>1</u> .	gallons of water per acre when
Rabbiteve:		(20-40 oz)	most of the flowers are elongated
Aliceblue,			but not yet open (bloom Stage 5).
Beckyblue,	st3		OR
Bonita,			Make two to four applications 10
Brightwell,	_ # *		to 14 days apart starting at bloom
Climax, Delite,			Stage 5. Spray 20 to 40 grams
Tiftblue,			a.i./acre in 40 to 100 gallons of
Woodward, and			water per application.
others.			

(

21/56

Ć

(

FRUIT CROPS (con't)						
CROP/	OBJECTIVE/	RATE	APPLICATION TIMING			
CULTIVAR	BENEFIT		and the second			
Avocado	Benefit: To improve	25 grams a.i.	Apply at the cauliflower stage of			
이는 말 같은 이야 물	fruit set and yield	(12.5 oz)	inflorescence development.			
			(Not for use in California)			
Sweet Cherry	To produce larger,	16-48 grams	Make 1 to 2 applications when fruit is			
	brighter colored, firmer	a.i.	translucent green to straw colored.			
	fruit	(8-24 oz)	If making two applications, apply 1/3			
			to $\frac{1}{2}$ of the total desired amount when			
	and the second		the majority of the fruit is translucent			
			green: Apply the remaining material			
		· _	3-7 days later, when the majority of			
			the fruit is straw colored.			
NOTE:						
Do not exc	eed 48 grams a.i./acre per s	eason				
Two.applic	ations should be used when	crop maturity is	s uneven and a single spray will not be			
effective.	1 ( 49 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	经上口的规定				
	looment and harvest date ha	ve occasionally	been slightly delayed			
	rates with heavier crop load					
Sour Cherry	To maintain and extend?	4-18 grams	Apply one spray 14-to-28 days after			
· · · ·						
NOT TOP USE IN	I high truiting canacity of	ส์ เ	bloom Ontimum timing is defined as			
Not for use in	high fruiting capacity of	ā.i. (2-9 oz)				
California)	sour cherry trees by	a.i. (2-9 oz)	that stage when 3-to-5 terminal leaves			
•	Sour cherry trees by	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to-			
•	sour cherry trees by promoting spur formation and reducing	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha			
•	sour cherry trees by promoting spur formation and reducing the occurrence of	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha occurred. Use 4 to 18 grams a.i./acre			
•	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension has occurred. Use 4 to 18 grams a.i./acre depending on tree age and vigor (See			
•	Sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha occurred. Use 4 to 18 grams a.i./acre depending on tree age and vigor (See Table below). Apply as a dilute spray			
•	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough			
•	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after application. Therefore,	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha occurred. Use 4 to 18 grams a.i./acre depending on tree age and vigor (See Table below). Apply as a dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray			
Cálifornia)	Sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after application. Therefore, changes in shoot, spur,	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after application. Therefore, changes in shoot, spur, and flower production	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha occurred. Use 4 to 18 grams a.i./acre depending on tree age and vigor (See Table below). Apply as a dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after application. Therefore, changes in shoot, spur,- and flower production will not be evident until	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- inches of terminal shoot extension ha occurred. Use 4 to 18 grams a.i./acre depending on tree age and vigor (See Table below). Apply as a dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation is apparent the year after application. Therefore, changes in shoot, spur, and flower production will not be evident until two or three years after	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray			
Cálifornia)	Sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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.	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray ensuring uniform coverage.			
Cálifornia)	Sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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	•	ensuring uniform coverage.			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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 spur	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray ensuring uniform coverage.			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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 spur development and	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray ensuring uniform coverage.			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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 spur development and subsequent yield	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray ensuring uniform coverage.			
Cálifornia)	sour cherry trees by promoting spur formation and reducing the occurrence of "blind" nodes. Spur formation 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 spur development and	•	that stage when 3-to-5 terminal leaves have fully expanded, or, at least 1-to- 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 dilute spray in sufficient water to ensure thorough wetting, or as a concentrate spray ensuring uniform coverage.			

(

ł

٠.

### NOTE:

• Rates are based on expected normal tree vigor at various ages. Adjust rate according to tree vigor. If trees are vigorous, use lowest indicated 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 will be obtained when combined with good cultural practices.

356

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

Tree Age (years)	Rate /acre)
6-10	4-6 grams a.i. (2-4 oz)
11-15	8-10 grams a.i. (4-5 oz)
16-20	10-14 grams a.i. (5-7 oz)
20 + years	. 14-18 grams a.i. (7-9 oz).

FRUIT CROPS (con't)							
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING				
		/acre)	LAND REAL AND AND AND AND AND				
Stone Fruit Group	To increase fruit firmness		Apply as a single spray one to 4				
a government of the second	and improve fruit quality	a.i.	weeks prior to the beginning of the				
	in the season of application		harvest period. Use sufficient water to achieve complete coverage of fruits				
		(8-16 oz)	achieve complete coverage of fruits				
	· · · · · · · · · · · · · · · · · · ·		and foliage.				

NOTE:

• 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.

	- F F			
	Italian Prune	To reduce internal		Make a single application four to
<i>'</i>	(Not for use in	browning, improve	grams a.i.	five weeks before expected
	California)	quality, and increase		narvest. Apply in sufficient water
i		size.	(8-24 oz)	volume to ensure thorough
			1. (* * * 1 <u>.</u> / *	wetting.

NOTE:

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

	1 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
• *		E	•

	방송 공장 지수는 동국원을 가장한	이 사내가 힘을 가져 있는 것 수가 하는 것 같아. 가지		a. A start a start and sta start and start and s				
	FRUIT CROPS (con't)							
	CROP/ VARIETY	OBJECTIVE/ BENEFIT	RATE	APPLICATION TIMING				
	Pecan Childrent e	To extend leaf retention	10 grams	Make 1-4 applications of 10 g a.i.				
,	(Not for use in	and maintain green	a.i.	beginning in July and continuously				
	Arizona and	foliage.	(5 oz)	through October as needed.				

n an an Anna a Anna an Anna an

Note:

California)

3. C.

- Use sufficient water to achieve complete coverage. In most cases 100 gallons per acre has been shown to be effective.
- Do not make more than one application of PROGIBB LV PLUS in July. Using more than one application in July may result in reduced return bloom.

: j +

dis dia la

المرير ومعتر

• PROGIBB LV PLUS may be tank mixed with Belay<sup>®</sup> Insecticide.

24

a sur line a sur li a sur li li li

122

Concept and

n ha	·

NON BEARING ST	FONE FRUIT TREES	42 <b>1</b>	5.1.3710 1
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING
Barner and Strand Later and all a	Lawrence and an anna a samual raise 14	/acre)	there and the second second second second second
Non Bearing Stone	To reduce flowering	20. <i>-</i> 80	Make a single application during
Fruit. In March 199	and fruiting in young	grams a.i.	the period of flower bud initiation
(Not for use in	stone fruit trees in order	the a stat of the	for the following year. Consult with the Valent representative or
California)	to minimize the	(10-40 oz)	with the Valent representative or
	competitive effect of		local horticulturist for timings and
	early fruiting on tree		rates for specific cultivars in your
	development.		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 C	ROPS (con't)	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE /acre	APPLICATION TIMING
			· · ·
	1.5 4.5	1.11.1.2.13	
Strawberry	To increase runner	15-25 grams	Make a single application to
(Not for use in	production of mother	ani: avit	mother plants 10 – 30 days after
California)	plants.	(7.5-12.5 oz)	planting. Efficacy is best when
			plants have 1-6 leaves at
			spraying. Apply 100 gallons
			spray/acre to point of run-off.
NOTE:			
	fruiting plants. Treatments	have not been a	s effective on plantings set out
after mid-May.			press plane in a
•	s with cultivar and location	Consult your V	alent representative or local
	ecific indications.		
Cranberry	To reduce or	10-50 grams	Make a single application at
(Not for use in	completely eliminate	a.i.	early bloom (2-5% scatter
California)	the crop in the year of	(5-10 oz)	bloom). Use sufficient water
			and the second sec
د چې د وې وې د وې	application		ensure thorough coverage.
NOTE:	An De All Carl And		and the second
• Applications m	ade later than indicated hav	e been known to	result in no effect or actually
• Applications m result in increased	ade later than indicated hav fruit set (opposite effect).	e been known to	result in no effect or actually
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of th	e been known to he bog and locat	result in no effect or actually
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect).	e been known to he bog and locat	result in no effect or actually
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	result in no effect or actually
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased :</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of the specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of th cal specialist for specific in	e been known to he bog and locat formation.	ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will representative or lo</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of th cal specialist for specific in	e been known to the bog and locat formation.	o result in no effect or actually ion. Consult the Valent
<ul> <li>Applications m result in increased</li> <li>Responses will representative or lo</li> </ul>	ade later than indicated hav fruit set (opposite effect). vary with cultivar, age of th cal specialist for specific in	e been known to the bog and locat formation.	o result in no effect or actually ion. Consult the Valent

(

(

25/56

.

.

,

<b>UVEGETABLE CROPS</b>	e transformer	*	1 y .			•
-------------------------	---------------	---	-------	--	--	---

.

 $\left( \right)$ 

•			VEGETAB	LE CROPS	
CROP/VAJ	RIETY	OBJECT	IVE/BENEFIT	RATE /	APPLICATION TIMING
小河走抄置3	24 34 3 1 	27 WWG C	and the state of the second	acre)	and the second
Artichoke		To accel	erate maturity	10-20	For perennials: apply one to
			harvest to an	grams a.i.	three applications at bud
· · · ·		earlier da	ite	(5-10 oz)	initiation stage.
		みかん 10世界の名。 1			For annuals: apply one to fou
ia anti		an an Ei	· ·		applications at 2-week
t terre j	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			intervals, beginning at the
• • • • • •	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	f. Victory, s			fourth true leaf. Use
	( ·	1. S. 25			sufficient water volume to
a an	• • •	re energies en en Status en 1913	tanan araa wa Maraa ya tanan atanan atanan ata		ensure thorough wetting of
2 15 44 MA	i e e de de	f∙itafor y¥f 8tu	A H BAS AND THE		the entire plant (leaves, stems
• . •.		المعاقفا	n at single a		and buds).
Carrots,		To delay	leaf	1-6 grams	Make the first application 4 -
Fresh and			ce. Maintaining	a.i.	6 weeks after emergence
Processing			foliage has	(0.5-3 oz)	using commercial ground or
Q.V			wn to help		aerial equipment with spray
			e incidence of		concentrations of 20-30 ppm.
And a second	هيچ بر ميني دي. شي بر سيني اس	infection	by Alternaria		In severe disease situations of
the classes	an an th	daući.		ા સાથકો પ્રા	cool weather a second spray
				and the state of the	14 days later is sometimes
r. <sup>1</sup> . 75	an' se b	er Mahan i		- 2.4	required to achieve the
ti ti kata t		定義が			desired amount of foliar
hi i strad		er hierzy.	×		recovery.
C. S. C. P. B		1 Alto Seco	Lat the second of	detail a state of a	Do not apply more than twice
					Press of American States and States
		C REAL SY - 1		N (2017)	per crop.
NOTE: D	ilutions	of greater	concentration ca	n increase the	Press of American States and States
particularly	with a	second ap	olication.		per crop. risk of excessive top growth,
NOTE: D particularly CROP/VAI	with a	second ap	concentration ca plication. IVE/BENEFIT	RATE /	per crop.
particularly CROP/VAI	with a	second ap	olication. IVE/BENEFIT	RATE / acre)	per crop. risk of excessive top growth, APPLICATION TIMING
particularly CROP/VAI	v with à <b>RIETY</b>	second app OBJEGT To increa	Dication.	<b>RATE /</b> acre) 2-5 - 10	per crop risk of excessive top growth, APPLICATION TIMING Make a single application on
particularly CROP/VAI	with a	second ap <b>OBJECT</b> To increa and yield	olication. IVE/BENEFIT ase plant height l and to	RATE / acre)	per crop risk of excessive top growth, APPLICATION TIMING Make a single application on to four weeks prior to harvest
particularly CROP/VAI	v with à <b>RIETY</b>	second apj OBJECT To increated and yield overcom	<b>IVE/BENEFIT</b> ase plant height and to e stress due to	<b>RATE /</b> acre) -2.5 – 10 	per crop risk of excessive top growth, APPLICATION TIMING Make a single application on to four weeks prior to harvest Use 25-to-50 gallons of wate
particularly CROP/VAI Celery	with a	oBJECT To increation and yield overcom	<b>IVE/BENEFIT</b> ise plant height and to e stress due to	<b>RATE /</b> acre) 2-5 - 10	per crop risk of excessive top growth, APPLICATION TIMING Make a single application on to four weeks prior to harvest Use 25-to-50 gallons of water per acre by ground applicatio
particularly CROP/VAL		Second apj OBJECT To increate and yield overcome cold weate or saline	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils and	<b>RATE /</b> acre) -2.5 – 10 	per crop. risk of excessive top growth, <b>APPLICATION TIMING</b> Make a single application on to four weeks prior to harvest Use 25-to-50 gallons of water per acre by ground applicatio or 5-to-10 gallons of water pe
particularly CROP/VAL		Second apj OBJECT To increate and yield overcome cold weate or saline	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils and	<b>RATE /</b> acre) -2.5 – 10 	per crop. risk of excessive top growth, APPLICATION TIMING Make a single application on to four weeks prior to harvest Use 25-to-50 gallons of water per acre by ground applicatio or 5-to-10 gallons of water per acre for aerial application
particularly CROP/VAI	with a	<b>OBJECT</b> To increate and yield overcom cold weat or saline obtain eat	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils, and wher maturity.	RATE / acre) 2:5 - 10 grams a.i. (1.25-5 oz)	per crop. risk of excessive top growth, APPLICATION TIMING Make a single application ond to four weeks prior to harvest Use 25-to-50 gallons of water per acre by ground applicatio or 5-to-10 gallons of water per acre for aerial application (except in California). Use
particularly CROP/VAI		second apj OBJECT To increat and yield overcom cold weat or saline obtain eat	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils, and arlier maturity.	RATE / acre) 2:5 = 10 grams a.i. (1.25-5 oz)	<ul> <li>per crop.</li> <li>risk of excessive top growth,</li> <li>APPLICATION TIMING</li> <li>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</li> </ul>
particularly CROP/VAI		second apj OBJECT To increat and yield overcom cold weat or saline obtain eat	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils, and wher maturity.	RATE / acre) 2:5 = 10 grams a.i. (1.25-5 oz)	<ul> <li>per crop.</li> <li>rišk of excessive top growth,</li> <li>APPLICATION TIMING</li> <li>Make a single application on 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</li> </ul>
particularly CROP/VAI Celery	with a	second apj OBJECT To increa and yield overcom cold wea or saline obtain ea	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils, and arlier maturity.	RATE / acre) 2:5 = 10 grams a.i. (1.25-5 oz)	nisk of excessive top growth, APPLICATION TIMING Make a single application ond 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
particularly CROP/VAI		second apj OBJECT To increat and yield overcom cold weat or saline obtain eat	<b>IVE/BENEFIT</b> ase plant height and to e stress due to ther conditions soils, and arlier maturity.	RATE / acre) 2:5 = 10 grams a.i. (1.25-5 oz)	<ul> <li>per crop.</li> <li>rišk of excessive top growth,</li> <li>APPLICATION TIMING</li> <li>Make a single application on 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</li> </ul>

NOTE: Do not apply by air in California. Do not apply earlier than 4 weeks before harvest						
as bolting has been known to occur. VEGETABLE CROPS (con't)						
		the second s	APPLICATION TIMING			
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE/acre				
Cucumber	To stimulate fruit set	1-4 grams	Make one application prior to			
(Not for use in	during periods of cool	a.i. ; ;	bloom followed by two			
California)	temperatures.	(0.5-2 oz)	additional applications at			
· · · · ·			intervals of 10-to-14 days. It			
			is acceptable to use up to four			
	1 ···		applications. Use sufficient			
, * · ·			water volume for thorough			
			coverage of exposed foliage.			
NOTE: For maxim growth due to cool		in good condi	tion, except for reduced rate of			
Lettuce for Seed	To obtain uniform	1-4 grams	Apply one to four			
	bolting and increase	a.i.	applications at two-week			
€n noterae Noterae Noterae	seed production	(0.5-2 oz)	intervals, beginning at the			
the sector of the sector se	CONTRACTOR CONTRACTOR		fourth true leaf. Use			
den en e		The she the	sufficient water volume to			
	n an	F LEASTER M	ensure thorough wetting.			
Melon	To stimulate fruit set	1-4 grams	Make one application prior to			
(Not for use in	during periods of cool	a.i.	bloom followed by two			
California)	temperatures	(0.5-2 oz)	additional applications at			
	n de K <b>A</b> toria de la constante de la constant		intervals of 10-to-14 days on			
1			cantaloupes and watermelons.			
NOTE: For maximu growth due to cool		in good condit	ion, except for reduced rate of			
Pepper	To promote plant	1-3 grams	Apply one to two sprays in			
(Not for use in	growth	<b>a.i</b>	25-to-50 gallons of water per			
California)		(0.5-1-5	acre at two-week intervals.			
		OZ)	Begin sprays 2 weeks after			
		an internet and the second s	transplanting.			
NOTE: This use is	best for areas with short gr	owing season	s, or when the low			
temperatures slow	plant growth.	17 전환 242 17 - 18년 - 18년 - 19년 18 - 19년 - 18년 - 19년 - 19년 19년 - 19년 -				
Pepper (Not for	To increase fruit set and	1-3 grams	Apply one to two sprays in			
use in California)	promote fruit growth	a.i.	25-to-50 gallons of water per			
		(0.5-1.5	acre at weekly intervals			
	t	oz)	during the flowering period.			
NOTE: The high ra fruit set problems.	ate is most efficacious for a	reas and/or va	rieties with pollination and/or			
	To increase fruit size	1-3 grams	Apply in 25-50 gals of water			
use in California)		a.i. (0.5-	per acre at the beginning of			
and me gamerinally		1.5 oz)	the picking period.			
	I	1	I me preting period.			

(

Ć

NOTE:			
	hast found lants with host	finit loode	
• I ne nign rate is	best for plants with heavy VEGETABLE (	TROPS (con	21) · · · · · · · · · · · · · · · · · · ·
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE/acre	
Potato seed	To stimulate uniform	0.2- 0.4	Dip whole or cut seed pieces
	sprouting to aid in	grams a.i.	in a solution containing 0.2-
	maximum production,	(0.1-0.2	to-0.4 grams a.i. in 100
	more uniform	oz; 3-6 ml)	
1 - 1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	development, fewer late		planting.
and the second second	maturing plants, and to		
a a cara a c	break dormancy of		
	newly harvested		
100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	potatoes that have not		
·	had a full rest period.	<u> </u>	
NOTE:			
	A STAR STAR STAR STAR STAR STAR STAR STA	num concen	tration for dormant seed. Do not
treat rested seed pic			
Rhubarb	To break dormancy on	10 – 20	1) When the rest period is not
Real Street Street	plants receiving	grams	completely broken, make a single
and the second	insufficient chilling and	a.i.	application of 2 fluid ounces (60 ml)
	to increase marketable	(5-10 oz)	of a solution containing 20 grams
	yield of forced rhubarb		a.i. in 10 gallons of water to each
tera de la segar	م الي يحد في من الميرية من الحي المراجع ال	2 1 1 2 2 2 2 2	cleaned crown. 2) When the rest period is broken by
	the second second second		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:			

(

(

28/56

• Keep forcing house temperatures at  $40 - 50^{\circ}$ F for 24 hours after application. If house is warmer than 50°F, cover crowns with plastic. Temperatures above  $50^{\circ}$ F lower yields and cause poor stalk color.

11.00

. . . .

, · ,

NI AN

۰,

13.02

	VEGETABI	E CROPS (co	on't)
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE/acre	APPLICATION TIMING
Spinach (for use	To facilitate harvest,	4-10 grams.	Apply a single spray 10-to-18 days
in California),	increase yield and	a.i.	before each anticipated harvest on
Mustard greens,	improve quality of fall	(2-5 oz)	fall or over-winter crops, ideally
Collard greens	and over-winter crops.		when daytime temperatures are 40°
and Turnip	4 V , V , F A V		F-to-70° F and during early
greens. (Not for			morning hours when dew is present
use in California)			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 unti
			some re-growth has started before
			spraying. Maximum benefit is
		· · · · · ·	obtained when below normal
		the pulling the pro-	temperatures prevail following
. • .			application and growth would be
·		에서 실행하지 있는 것 이 한테 소리에서 이	otherwise slowed in untreated
internet in the second se			crops.

Ć

29/56

,

### NOTE:

(

• Since the promotion of bolting has been known to occur, do not apply after the mid-winter 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 /acre	APPLICATION TIMING
Watercress	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 grams a.i. (7.5-12.5 oz)	Make one or two applications per acre per crop 3 to 7 days before harvest. Use 50-100 gallons of water per acre.

CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING
nder in den ski		/acre	
Hops: Seeded	To increase fruit set and	4-6 grams	Make a single application in 100-
and seedless	yield.	a.i.	150 gallons of water per acre
Fuggle hops and	the d	a.i. (2-4 oz)	when vine growth is 5-8 feet in
Fuggle hops and similar varieties		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	length.
adapted to the			
Northwestern	$\mathbb{E}\left\{ \left  (x_{i}, y_{i}) - x_{i} \right  \right\} = \left  (x_{i}, y_{i}) - x_{i} \right $		
rstates.	·····································	and the second second	
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE	APPLICATION TIMING
÷.		/acre	
Peanuts	To promote plant growth	2.5 - 5.0	Make two to four applications on
		grams a.i.	two week interval. Begin sprays
		(1.25-2.5	two weeks after emergence.
ى «ئېد مەنى «دەر» د		oz; 37-74	
	الم و الما الم الم الم الم الم الم الم الم ال		n 19 Anna Maria - Anna Anna Anna Anna

(

Ċ

30/56

	CDODALADIE			
	CROP/VARIETY	OBJECTIVE/		APPLICATION TIMING
·	112.1	BENEFIT		
		(Early Season)		
•				Make one to two applications
-1		plant vigor and more		
		uniform seedling growth		
. E		prior to permanent flood		
	rice herbicides of the	sestablishment.	. ml) ,	a the stand of the stand
С. 1. Г. 1		motion will permit earlier flood		
		and is particularly effective on		
	reduces the additional	flushing cost associated with d	elay in establ	ishing the permanent flood,
	reduce weed infestatio	ns and the number of herbicide	applications	, and/or promote earlier and
ien g	more uniform grain m	aturity.)	un Brankfreiten stärt.	
		plications (Late Season)		a state of the second
	Rice	To promote main culm and	3,8-⊙ ∖	Make a single application
r K	「白明」を見るる	tiller panicle extension.	grams a.i.	between split-boot and 100%
te di		Known to promote main	(1.5-4 oz;	panicle heading.
		culm ( ) g	44 to 118	
	ار بر معرب ده این بر معرب ده	1 · · ·	ml)	Heading applications to the
		same setti a na sain		first crop also has been
				observed to accelerate re-
	, 	Well have been all the stand of a second of the loss		growth of second crop rice.
	Rice	To promote main culm and	1-3 grams	
Sanang		tiller-panicle extension		
• • • • •	Production)	resulting in improved		heading period to promote
		pollination and seed yield.	oz; 15-44	main culm and tiller panicle
			ml)	extension.
			,	
	1	ł		I

apply when rice is Foliage occasiona	ally and temporarily appears lighter green in color due to accelerated	grow
rates following PI	ROGIBB LV PLUS application.	
Rice	Promote yield 4 – 7 grams Apply single applie	
	enhancement of a.i. post flowering thro	
	ratoon crop rice by (2-3.5 oz; dough stage to prim	
	increasing ratoon 59-207 ml) crop to initiate enha	· · · ·
	tiller growth and growth of following	g rato
	aiding ratoon stand crop.	
· · · · ·	establishment	· .
For Foliar and H	Hybrid Rice Seed Production:	
Mixing Instructi		
Fill the treatment	tank with half of the final tank mix volume. Add the required amour	t of
PROGIBB LV PI	LUS and mix thoroughly while adding water to the desired final volu	me.
Dispose of any ur	nused spray material at the end of the day.	
<b>Application</b> Equ		с. т
Apply PROGIBB	3 LV PLUS by aerial or ground spray equipment. As an aerial spray,	use a
spray system capa	able of producing a uniform spray pattern of medium to fine spray dr	oplet
10 gallon per acre	e (GPA). Apply no less than 3 GPA of total spray volume. Use low	press
10 gallon per acre ground sprayers e	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 40 to 15 GPA spray vo	press olume
10 gallon per acre ground sprayers e Compatibility wit	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PL	press olume JS w
10 gallon per acre ground sprayers e Compatibility wit most commonly u	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV F	press olume US wi PLUS
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with Arr	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV Frosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4, Stam <sup>®</sup> 80EDF, or Wh	press olume JS w PLUS am! <sup>®</sup>
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with Am plus one of their i	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV Frosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4, Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary.	press olume US w PLUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV P rosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4, Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary: LV PLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360.	pressi olume US wi LUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with Am plus one of their i apply PROGIBB	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray with Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV Prosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4; Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV PLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360	press olume US wi PLUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray ve th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV Prosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4; Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV PLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360.	press olume US wi PLUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray with Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV Frosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4 Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV RLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360.	press olume JS wi LUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with Am plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment.	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray with Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PL rosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4, Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary: LV RLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360.	přessi olume JS wi LUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray verth Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PL rosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4; Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV PLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360. <b>IENT APPLICATION</b> LUS stimulates seed germination and promotes faster and more uniformation and promotes faster and more uniformatical surfactant is not necessary. <b>OBJECTIVE</b>	přess olume JS wi LUS am! <sup>®</sup> Do no
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment.	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray vo th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU rosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4, Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV RLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360. <b>IENT APPLICATION</b> LUS stimulates seed germination and promotes faster and more unifor <b>OBJECTIVE</b> / BENEFIT	přess olume JS wi LUS am!® Do no m st
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE Seed treatmentfo	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray with Other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PL rosolo, Riverside Propanil <sup>®</sup> 60DF, Stam <sup>®</sup> M4; Stam <sup>®</sup> 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary: LV RLUS with Whip <sup>®</sup> IEC or Whip <sup>®</sup> 360. <b>MENT APPLICATION</b> LUS stimulates seed germination and promotes faster and more uniformation of the faster and more uniformatical section of the faster and more uniformatical section of the faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote germination and promotes faster and more uniformatical section of the promote section of the promotes faster and more uniformatical section of the promotes faster and more uniformatical section of the promotes faster and more uniformatical section of the promotes f	přess olume JS w LUS am! <sup>®</sup> Do no Do no FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment.	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray vere the other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and fungicides. When applying PROGIBB LV PLU used rice herbicides and the provide germination and promotes faster and more uniformation. To promote germination and 0:25 to 1 floz productin For use with emergence for semi-dwarf and 8-20 fl oz water/100 lbs broadcast set for the provide set of the	přess olume JS w LUS am! <sup>®</sup> Do no Do no FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan nozzles using 10 to 15 GPA spray vere the other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides and fungicides and fungicides and fungicides are and more uniformation and promotes faster and more uniformation and promotes faster and more uniformation and fungicides are and therbicides are and more uniformation are anot are are a	přess olume JS w LUS am! <sup>®</sup> Do ne Do ne FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with Am plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE Seed treatmentfor rice	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray vere the other Chemicals: It is permissible to tank-mix PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and more uniformation and promotes faster and more uniformation and promotes faster and more uniformation and or 25 to 1 floz producting for use with emergence for semi-dwarf and 8-20 floz water/100 lbs broadcast set and tall varieties. To help increase final stand (Equivalent to 7 to 33m)	přess olume JS w LUS am! <sup>®</sup> Do ne Do ne FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE Seed treatmentfor rice	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray vo th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI rosolo, Riverside Propanil® 60DF, Stam® M4; Stam® 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV PLUS with Whip® IEC or Whip® 360 MENT APPLICATION LUS stimulates seed germination and promotes faster and more unifor BENEFIT OBJECTIVE/ BENEFIT of To promote germination and emergence for semi-dwarf and tall varieties. To help increase final stand density and uniformity Data to the promote set of the pro	přess olume JS w LUS am! <sup>®</sup> Do ne Do ne FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE Seed treatmentfor rice	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray vere the other Chemicals: It is permissible to tank-mix PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: When applying PROGIBB LV PLU used rice herbicides and fungicides: Used and different to 7 to 33m in 237 to 591 ml whenseed are planted deeper t water/45 kg seed)	přess olumo JS w LUS am! <sup>®</sup> Do n Do n rm st FION
10 gallon per acre ground sprayers e Compatibility wit most commonly u mixtures with An plus one of their i apply PROGIBB SEED TREATM PROGIBB LV PI establishment. USE Seed treatmentfor rice	e (GPA). Apply no less than 3 GPA of total spray volume. Use low equipped with boom and flat fan hozzles using 10 to 15 GPA spray vo th Other Chemicals: It is permissible to tank-mix PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI used rice herbicides and fungicides: When applying PROGIBB LV PLI rosolo, Riverside Propanil® 60DF, Stam® M4; Stam® 80EDF, or Wh indicated adjuvants, use of an additional surfactant is not necessary. LV PLUS with Whip® IEC or Whip® 360 MENT APPLICATION LUS stimulates seed germination and promotes faster and more unifor BENEFIT OBJECTIVE/ BENEFIT of To promote germination and emergence for semi-dwarf and tall varieties. To help increase final stand density and uniformity Data to the promote set of the pro	přess olumo JS w LUS am! <sup>®</sup> Do n TION FION

Ć

 $\left( \begin{array}{c} \cdot \\ \cdot \end{array} \right)$ 

31/56

.30

•

.

## Mixing Instructions

Apply PROGIBB LV PLUS to seed with standard mist treating equipment. For best results, higher treatment-volume of 6 to 10 fl oz per 100 pounds of seed (177 to 296 ml/45 kg seed) ensures complete and uniform coverage.

32/56

Fill the treatment tank with half of the final tank mix volume. Add the required amount of PROGIBB LV PLUS and mix thoroughly while adding water and other co-applied seed treatment products (see Compatibility with Other Chemicals section) to the desired final volume.

An approved dye must be added to distinguish PROGIBB LV PLUS treated seed and prevent inadvertent use for food, feed, or oil purposes. Treated seed must be labeled in accordance with the requirements of the Federal Seed Act.

### **Use Restriction**

Do not use treated seed for food, feed or oil purpose

# **COTTON:**

PROGIBB LV PLUS has been shown to help shorten the vegetative growth "lag" phase. This benefit reduces the time interval needed to develop optimum leaf area and plant height, thus maximizing the potential for earliness and improved yields.

USE	<b>OBJECTIVE/</b> BENEFIT	RATE /acre	· · · · ·	<b>APPLICATION TIMING</b>
On young	Promote growth and	0.5 to 3 fl oz (	15 to 89	In-furrow application to
cotton plants	increase seedling	ml).	· `,	seed, or as a foliar
			1.11.21	application from the
	vigor			cotyledon leaf stage through
				the 7 leaf/node stage.
				Repeat applications as
				needed to a maximum of 3
	Horge base	:		applications.
	and the second			Applying more often than
en et al en	the second strate in			necessary to achieve the
	na ser da ser en se En ser en ser			- · ·
de la comp	قير ، ويقدر المريد بعين الع	1		desired height results in
				excessive vegetative
y ren dal, na∳sp <sup>r</sup> j	€ 128× 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		the cases	growth.
		<u> </u>		

### Notes:

Use higher rates (within the indicated range) when temperatures will likely average 75°F or less during the 14 days following application(s). , ,

and the second Application equipment: As an aerial spray, use a spray system capable of producing a uniform spray pattern of medium to fine spray droplets at 10 gallons per acre (GPA). Apply no less than 3 GPA of total spray volume. Use low pressure ground sprayers equipped with boom and flat fan nozzles using 10 to 15 GPA spray volume.

Do not apply PROGIBB LV PLUS to cotton plants that are under drought stress. If the cotton plants are under continuous stress, delay the application of PROGIBB LV PLUS until the stress is alleviated and the plants are beginning to recover.

Avoid drift or accidental application to other crops.

### **Compatibility with Other Chemicals**

Data regarding the compatibility of PROGIBB LV PLUS with herbicides used in cotton are not available.

waa ala ala mandina mala da ka sa ay waxa ni ha ani ingina ka marina ka si sa sa sa sa

USE	OBJECTIVE/ BENEFIT	RATE /acre	APPLICATION TIMING
Young plants	To improve	10 – 20 grams a.i.	VI-V4 Apply 1-2
	mechanical harvest efficiency by	(5-10 oz)	applications as a foliar broadcast spray during
	elongating the first		growth stages V1-V4 (1-2
· · · · · ·	and second	ŧ	sets of unfolded trifoliolate
	internode of young		leaves). If applying as a
آفر	plants	5	banded spray, reduce rates
· *			accordingly; Complete
· ·	and the second	t	coverage of leaf tissue is
	Contraction and Antonia Carlo Social Antonia	1	essential. Make
	an she isting Boli sha ya ng Sil		applications in 20-40 gal
			water/A.
Note: Difference	es in response by vari	ety may be large. Cauti	on should be used when
using on untest	ed varieties.		
V5-R3	To increase pod set	0.1 – 0.2 oz	Make a single application a
	and increase the		R2R3 growth stage.
	growth of the plant		

USE	OBJECTIVE/ BENEFIT	RATE /acre	APPLICATION TIMING
Vegetative use	S Set S		
Young plants	To improve mechanical harvest efficiency by elongating the first and second internode of young plants	10 – 20 grams a.i. (5-10 oz)	V1-V4 Apply 1-2 applications as a foliar broadcast spray during growth stages V1-V4 (1-2 sets of unfolded trifoliolate leaves). If applying as a banded spray, reduce rates accordingly. Complete coverage of leaf tissue is essential. Make applications in 20-40 gal water/A.

34/54

Note: Differences in response by variety may be large. Caution should be used when using on untested varieties.

### STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Keep away from heat and open flame.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes can not be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Disposal: Non-refillable container. Do not reuse or refill this container. 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. The provide the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

## **NOTICE TO USER:**

To the extent permitted by applicable law, 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.

<sup>©</sup>2013

# **SUB LABEL II**

# **PROGIBB LV PLUS T&O**

Plant Growth Regulator Solution

# For use on turf and ornamental plants.

### PROGIBB LV PLUS T&O

### Plant Growth Regulator Solution

### For use on turf and ornamental crops.

For Organic Production.

Active Ingredient:	·	. :	*			
Gibberellic Acid				 	5.7 % ነ	w/w
Other Ingredients				 	94.3 % v	v/w
Total				 	00.0% w	/w.

PROGIBB LV PLUS T&O liquid contains approximately 2.0 grams active ingredient per fluid ounce of formulated product.

### KEEP OUT OF REACH OF CHILDREN CAUTION - PRECAUCIÓN

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).

For MEDICAL and TRANSPORT Emergencies ONLY Call 24 Hours A Day 1-800-892-0099. For All Other Information Call 1-800-6-VALENT

EPA Registration No. 73049-XXX EPA Establishment No.

Q

đ

Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048

	FIRSTAID OF MARCHENE CITEMENT OF
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 advices in the second secon</li></ul>
If swallowed	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible:</li> <li>Call a poison control center or doctor for further 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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-800-892-0099 for treatment information.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### 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 category selection chart.

Applicators and other handlers must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.
 User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing:

• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

الم 2010 من المربق من 1976 من 2010 م. مربق من المربق من من مربق من من مربق م موالين من مربق م

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 disposing of equipment washwaters or rinsate.

n an an an Anna an Ann Anna an Anna an

> ار ایک بین دارد. الحمودی ۲ افراکیسی اردیکو محالا ۲۰۱۶ و این ایک بین دارد ا

## DIRECTIONS FOR USE

a second to a

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 State or Tribal agency responsible for pesticide regulation.

### AGRICULTURAL USE REOUIREMENTS

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: . . . Stand and States and and the second second

Coveralls

Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene • rubber, polyvinyl chloride, and viton

- Shoes plus socks 0
- and the spectrum of the Protective eyewear

Anthe Contract of the second second

NON-AGRICULTURAL USE REQUIREMENTS PORTS AND AND A DEPARTMENTS The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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 without appropriate protective clothing until sprays have dried.

. ٠, . . ·. , n ye de la calendaria 

3915

### **PRODUCT INFORMATION**

PROGIBB LV PLUS T&O Plant Growth Regulator Solution (hereafter referred to as PROGIBB LV PLUS T&O) is an extremely active plant growth regulator. Care must be used in measuring, diluting, and applying PROGIBB LV PLUS T&O.

A foliar application of PROGIBB LV PLUS T&O supplies plants with an additional source of the naturally occurring plant growth regulator gibberellin. Gibberellins are involved in numerous plant development processes. Adding gibberellic acid (GA3) promotes a number of desirable effects in floriculture crops including increased flower size, increased flower number, uniform flowering, increased stem elongation, and a decrease in time to flower. Additionally, gibberellin applications have been shown to reduce the minimum temperature required to initiate plant growth and will overcome bud and seed dormancy. In Bermuda grass turf, adding PROGIBB LV PLUS T&O will initiate and/or maintain growth and prevent color change during periods of cold stress and will maintain and/or enhance re-growth during summer months.

### GENERAL INSTRUCTIONS

When applying plant growth regulators, deviations from the label directions, in rates, timings, or water volumes has been known to result in undesirable effects.

For optimum effectiveness, thorough spray coverage must be achieved; only plant parts covered with spray solution will be affected. Plant parts not directly covered with PROGIBB LV PLUS T&O will not respond to the application.

An effective dose of PROGIBB LV PLUS T&O is strongly dependent on application volume. Variation in plant response is possible if a given rate is applied at different spray volumes. Uniformity of spray solution is equally important.

When applying foliar applications of PROGIBB LV PLUS T&O; spray plants to run-off. The actual spray application rate will vary depending on plant size and spacing density. A spray application rate which is effective for 6-inch potted plants spaced at a density of 1 pot per square foot is 2 quarts of finished spray solution per 100 square feet of bench area.

Differences in plant response to PROGIBB LV PLUS T&O due to differences in plant surfaces, leaf orientation, and plant structure are possible. PROGIBB LV PLUS T&O is most efficacious when applied during morning or late afternoon hours or when plants are not under environmental stress as extreme temperatures can influence plant response to PROGIBB LV PLUS T&O.

### DETERMINING OPTIMAL APPLICATION RATES

The rates on this label are ranges and an optimum PROGIBB LV PLUS T&O rate will depend on desired expectations as well as physical and environmental factors. Specific growing practices such as watering, potting media, fertilization, temperature, and light conditions will affect plant responses to a given PROGIBB LV PLUS T&O rate.

40156

Results from PROGIBB LV PLUS T&O applications are dependent upon timing, rate, frequency of application, and plant vigor at application. PROGIBB LV PLUS T&O applications made under slow drying conditions (cool temperatures, low air movement and medium to high relative humidity) will increase absorption by the plant, thus optimizing effectiveness.

To determine optimum use rates, conduct trials on a small number of plants under actual use conditions using the lowest indicated rate. When a range of rates is indicated, use the lowest concentration directed until familiarity is gained.

#### LIMITATIONS

• 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.

• Do not apply to plants under pest, nutritional, or water stress. PROGIBB LV PLUS T&O will not correct or substitute for treatment of pest, nutrient, or water stresses.

- Do not apply after flower buds show color.
- Do not apply through any type of irrigation system.
- Avoid drift onto non-target species.

• Do not mix PROGIBB LV PLUS T&O with pesticides, fertilizers, wetting agents, spreader stickers or other adjuvants.

• Over-application has the potential to result in accelerated plant growth/development.

- Do not apply PROGIBB LV PLUS T&O to any food crop.
- Do not reuse soil from plants treated with PROGIBB LV PLUS T&O.

MIXING INSTRUCTIONS AND RATE CONVERSION TABLE Apply with standard spray equipment set according to manufacturer's indications.

PROGIBB LV PLUS T&O mixes readily with water. For best results, have the water pH at 7.0 and always below 8.5.

Foliar Applications: Always make sure application equipment is thoroughly clean before mixing. When preparing PROGIBB LV PLUS T&O for use as a foliar spray, fill tank to one half full; add the amount of PROGIBB LV PLUS T&O according to the rate conversion table below. Complete filling the tank. Dispose of any unused spray material at the end of each application following local, state or federal law.

ppm (parts per million,	Milliliters (ml) of	Milliliters (ml) of	Fl. oz. of PROGIBB		
GA <sub>3</sub> )	PROGIBB LV	PROGIBB LV	LV PLUS T&O per		
-	PLUS T&O per	PLUS T&O per	gallon of spray		
	liter of spray	gallon of spray	solution		
	solution	solution	- <u> </u>		
1	0.016	. 0.06	0.002		
5	0.08	0.30	0.01		
10	0.16	0.59	0.02		
25	0.39	1.48	0.05		
50	0.78	2.96	0.10		
100	1.56	5.91	0.20		
250	3.91	14.79	0.50		
500	7.81	29.57	1.00		
750	11.72	44.36	1.50		
1,000	15.63	59.15	2.00		

#### **Rate Conversion Table\***

\*PROGIBB LV PLUS T&O is a liquid. Each fluid ounce contains approximately 2.0 grams of active ingredient.

## ORNAMENTAL CROPS, CUT FLOWERS AND TURFGRASS

• The following use rates are based on results with common cultivars. Differences in responsiveness vary between cultivars, growing conditions, and cultural management systems. Therefore, prior to widespread usage, test a small number of plants from each cultivar under a specific set of growing and cultural management conditions to verify desired efficacy.

• PROGIBB LV PLUS T&O is an extremely potent plant growth regulator. The general effects on floriculture crops are to increase plant size through increased stem elongation and leaf and petal expansion. If applied at an improper time, at excessive rates, or too frequently, plants have the potential to become long and spindly with weak stems.

C

# • SPRAY INSTRUCTIONS FOR ORNAMENTALS

 $\left( \right)$ 

<u></u>	AZAI		Andreas Andreas Andreas Andreas
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING
and the set of the	1. · · · · · · · · · · · · · · · · · · ·	(ppm a.i.)	here a series of the series of
Azalea	As a Partial	250-500	For three consecutive weeks
	Replacement of Cold		apply a single foliar
	Treatment to Break		application. Begin
,	Flower Dormancy		applications only after plants
	Applications of		have received 3 to 4 weeks of
	PROGIBB LV PLUS		chilling. Have plants at Stag
	T&O have been shown		5 of floral development (i.e.,
·	to partially replace a		style elongated and open)
	cold treatment needed		when treatment is initiated.
	to break flower		
	· ·		A representative spray
14 E E	dormancy of azalea.	· · .	schedule consists of
	9 - Sec. 21		applications made at 3, 10,
			and 17 days after four weeks
	the transferred to the		of chilling. Flowers will not
	1		develop properly if applied
<ul><li>Thorough spray</li><li>Do not apply at</li></ul>	l y coverage is essential for u fter flower buds show color as 'Gloria' 'Prize' and 'Bed	rian rige fi. •	
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> </ul>	fter flower buds show color	: wing', a sing	ering. le spray of 1,000 ppm after 4
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> </ul>	fter flower buds show color as 'Gloria', 'Prize', and 'Red	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal As a Complete Substitution of Cold	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal As a Complete Substitution of Cold	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm.
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal As a Complete	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm.
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal As a Complete Substitution of Cold Treatment to Break Flower Dormancy	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in brea As a Complete Substitution of Cold Treatment to Break	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of PROGIBB LV PLUS	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O have been shown</b>	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied.
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in break Substitution of Cold Treatment to Break Flower Dormancy Applications of PROGIBB LV PLUS T&O have been shown to completely substitute	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O have been shown</b> to completely substitute for a cold treatment that	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O have been shown</b> to completely substitute for a cold treatment that is needed to break	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to Stage 5 of floral
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in break <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O</b> have been shown to completely substitute for a cold treatment that is needed to break flower dormancy of	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O have been shown</b> to completely substitute for a cold treatment that is needed to break	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to Stage 5 of floral
<ul> <li>Thorough spray</li> <li>Do not apply at</li> <li>Cultivars such</li> <li>weeks of chilling h</li> <li>Azalea</li> <li>Note:</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in breal <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O have been shown</b> to completely substitute for a cold treatment that is needed to break flower dormancy of azalea.	wing', a sing king dorman	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to Stage 5 of floral development.
<ul> <li>Do not apply at</li> <li>Cultivars such weeks of chilling h</li> <li>Azalea</li> <li>Note:</li> <li>Thorough spra</li> </ul>	ter flower buds show color as 'Gloria', 'Prize', and 'Red as proven effective in break <b>As a Complete</b> <b>Substitution of Cold</b> <b>Treatment to Break</b> <b>Flower Dormancy</b> Applications of <b>PROGIBB LV PLUS</b> <b>T&amp;O</b> have been shown to completely substitute for a cold treatment that is needed to break flower dormancy of	wing', a sing king dorman 1,000	ering. le spray of 1,000 ppm after 4 cy For four to six consecutive weeks apply a single foliar application of 1,000 ppm. Plants must be at Stage 5 of floral development (i.e., style elongated and open) before first spray is applied. Flowers will not develop properly if applied prior to Stage 5 of floral development.

~~ ~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE	<b>APPLICATION TIMING</b>
	<u></u>	(ppm a.i.)	
Azalea	To Inhibit Flower Bud	100-750	Apply a single foliar
: · · · ·	Initiation During		application of PROGIBB LV
	Vegetative Growth		PLUS T&O at 100 to 750
· ·	Applications of		ppm beginning 2 to 3 weeks
	PROGIBB LV PLUS	•	after each pinch. Continue
	T&O have been shown	i in the	applications on a weekly
	to inhibit flower bud	$\mathcal{L}_{1}(X) \to \mathcal{L}$	basis for 1 to 2 weeks after
· ;	initiation during		the first application.
	vegetative growth of		
	azalea.	· · · · · ·	
Note:			
<ul> <li>Apply a maxim</li> </ul>	um of three applications	$= t   x^{-1}   y_{1} = \dots = y^{n}$	1
	CALLA	LILY	C MARCHINE & 2
Calla Lily	For increased	500	Soak rhizome or tuber in
	flowering		PROGIBB LV PLUS T&O a
	Applications of		500 ppm for 10 minutes prior
· ·	PROGIBB LV PLUS		to planting.
	T&O have been shown		
	to increase the number		1
	of flowers per rhizome		. · · .*
	P		
	or tuber in Calla Lilies.		
Note:	or tuber in Calla Lilies.	]	
Note: • Some flower lo	· · · · ·		been seen on some cultivars
• Some flower le	eaf or flower stretching has		y been seen on some cultivars.
• Some flower le Reduce rates when	eaf or flower stretching has this is noted. Changing sc		
• Some flower le Reduce rates when	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O.	oak time or c	
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing so IBB LV PLUS T&O. CAME	oak time or co LLIA	oncentration varies the
• Some flower le Reduce rates when	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements	oak time or co LLIA	Dilute PROGIBB LV PLUS
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water.
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown to substitute for the	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared solution to the vegetative bud
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown to substitute for the chilling requirements	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared
• Some flower le Reduce rates when response to PROG	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CANIE For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown to substitute for the chilling requirements and increase bloom size	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared solution to the vegetative buc
• Some flower la Reduce rates when response to PROG Camellia	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CAME For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown to substitute for the chilling requirements	bak time or co LLIA 2.0%	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared solution to the vegetative buc
• Some flower le Reduce rates when response to PROG Camellia	eaf or flower stretching has this is noted. Changing sc IBB LV PLUS T&O. CANIE For Substitution of Chilling Requirements and to Increase Bloom Size Applications of PROGIBB LV PLUS T&O have been shown to substitute for the chilling requirements and increase bloom size	ak time or co	Dilute PROGIBB LV PLUS T&O by mixing 1 part product and 3 parts water. Remove the vegetative bud immediately adjacent to or below the floral bud. Place a single drop of the prepared solution to the vegetative bud scar.

.

.

· · · ·	CYCLA		
CROP/VARIETY	<b>ÖBJECTIVE/BENEFIT</b>	RATE (ppm a.i.)	APPLICATION TIMING
Cyclamen	For Uniform Flowering Both bud and foliar applications of PROGIBB LV PLUS T&O have been shown to promote uniform flowering of cyclamen.	10 to 15	Bud Application: With a dropper apply 8 ml (0.25 fl. oz.) of a 10 to 15 ppm solution directly to the crowr when buds are pinhead size i the leaf axils (generally when there are 10 to 12 unfolded leaves). Earlier applications are sometimes ineffective in promoting uniform flowering
	1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 1997 - 199	25	Foliar Application: Apply a single foliar application of 2: ppm directly toward the crown and adjacent leaves when buds are pinhead size i the leaf axils (generally when there are 10 to 12 unfolded leaves): Thoroughly wet the crown

(

thereast stations to stationary a	· · · · · · · · · · · · · · · · · · ·
Fuchsia For Tree Forms:	For four consecutive weeks
The following	apply a single foliar
directions are for the	application of 250 ppm.
production of the tree	Begin applications after the
forms of common	plant has reached desired
fuchsia cultivars by	size. Spray the entire plant to
stem elongation.	the point of run-off.

Note:

• If treated plants become too leggy, stake after application.

• Concentrations higher than 250 ppm have been observed to cause plants to become stretched and spindly, with weakened stems.

	GERAN	NIUM	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm a.i.)	APPLICATION TIMING
CUTTINGS			<u></u>
Geranium	For increase in flower	1-5	Apply a single foliar
	number and flower		application of 1 to 5 ppm
	size.		when inflorescence first
	Applications of	1	begins to show color. Direc
•	PROGIBB LV PLUS		spray at the developing
,	T&O have been shown	· . · .	inflorescence.
	to increase flower		
· · ·	number and flower size	1	and the second sec
· · · · · · · · · · · · · · · · · · ·	of geranium cuttings.		a statu in a
have occasionally of SEEDLINGS	caused peduncle stretching.		
Geranium	For flowering	5-15	Apply a single foliar
	advancement		application of 5 to 15 ppm
s	Applications of		when first flower bud set is
s	PROGIBB LV PLUS		noted. Spray the entire plan
	T&O have been shown		to the point of run-off.
	to advance flowering 10	]	
11.5	to 21 days depending		
4 · · · · · · · · · · · · · · · · ·	upon variety of		
ale la companya di se companya di	geranium.		
Note:	N		· · · · · · · · ·
	ig or concentrations above		caused plant stretching
TREE FORMS			<sup>−</sup> <sup>−</sup> <sup>−</sup> <sup>−</sup> <sup>−</sup> <sup>−</sup> <sup>−</sup> <sup>−</sup>
Geranium	For Tree Forms:	<sup>15</sup> : 250	For four consecutive weeks
an a an	The following	ی به در در ا	apply a single foliar
	directions are for the		application of 250 ppm.
	production of the tree		Spray the entire plant to the
·	forms of common		point of run-off.
	geranium cultivars by	1.12	$\sum_{i=1}^{n}   f_i   \leq   f_i   <   $
· · · ·	stem elongation.		3
Note:	· •		
	occasionally require staking	· · ·	

Ć

5

45/56

44

z = 2

	HYDRA	NGEA	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm a.i.)	APPLICATION TIMING
Hydrangea	For chilling	2-5	For one to four consecutive
	substitution to break		weeks apply a single foliar
	flower bud dormancy		application of 2 to 5 ppm.
· · · ·	Applications of	· · ·	Begin applications at the start
	PROGIBB LV PLUS	art ar	of forcing. For best results,
· · · ·	T&O have been shown		thoroughly cover all growing
	to substitute for chilling		points containing flower
	requirements to break		buds.
	flower bud dormancy of		
, en en star y	hydrangea.	· · · · ·	
Note: Over applied		her then 5 pr	om have resulted in stretched,
spindly, and weake		uer main 5 pr	
	POMPOM CHRY		
Pompom	For Elongated	25=60	Apply a single foliar
Chrysanthemum	Peduncles		application of 25 to 60 ppm 4
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Applications of		to 5 weeks after initiation of
1	PROGIBB LV PLUS	1	short days. Apply directing
	T&O have been shown	1 - 2 - 2 A	the spray solution towards the
Ωيه د محمد محد م	to elongate peduncles of		flower buds.
	Pompom		
1	chrysanthemum		
Note:			and the second
			, spindly, and weakened stems.
	CHRYŠANŤHEŇUM	<u>1 STOCK P</u>	LANTS
Chrysanthemum	To elongate the cuttings	1-150	Use $125 - 150$ gallons of
Stock Plants	prior to harvest		water per acre. Repeat at 3-7
	-		day intervals as needed.
	SPATHIPHYLLUM AN	D OTHER	
Spathiphyllum	To accelerate bloom	150-250	Apply a single foliar
Spatinpitynum	and increase the	150-250	application of 150 to 250
			ppm approximately 9 to 12
	number of flowers per		
	plant Applications of		weeks prior to expected date
	Applications of PROGIBB LV PLUS		of sale. Spray to the point of
			run-off and thoroughly wet
	T&O have been shown		all growing points.
			all growing points.

(

(

١

• Some flower distortion or leaf stretching has been observed on cultivars such as 'Petite', 'Starlight', 'Tasson', and 'Mauna Loa'. Reduce rates when this is noted. On other cultivars, first evaluate PROGIBB LV PLUS T&O on a small number of plants **prior to** application of the product on a commercial basis.

CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm a.i.)	APPLICATION TIMING
AGLAONEMA	To accelerate bloom	250-500	For one to four consecutive
ANTHURIUM	and increase the number of flowers per	250-500	weeks apply a single foliar application of 250 to 500
	plant. Applications of		ppm. Begin applications at
DIFFENBACHIA	PROGIBB LV PLUS	250-500	the start of forcing. For best
(Dumb Cane)	T&O have been shown	250 500	results, thoroughly cover all
·	to increase flowering of		growing points containing
	Araceae		flower buds.
SYNGONIUM	To accelerate bloom	500-2,000	For one to four consecutive
	and increase the	a in the tage of	weeks apply a single foliar
	number of flowers per		application of 500 to 2,000
	plant. Applications of		ppm. Begin applications at
	PROGIBB LV PLUS		the start of forcing. For best
	T&O have been shown		results, thoroughly cover all
	to increase flowering of	· · ·	growing points containing
	Araceae		flower buds.

Note:

• Application of PROGIBB LV PLUS T&O has been shown to reduce the days to flowering and increase the number of flowers per plant. Apply 1 or 2 applications during the vegetative phase of plant development to induce bloom. On other cultivars, first evaluate PROGIBB LV PLUS T&O on a small number of plants <u>prior to</u> application of the product on a commercial basis.

•

.

# APPLICATIONS TO CUT FLOWERS

Apply PROGIBB LV PLUS T&O to ornamental plants grown for cut flowers to promote stem elongation and flowering. Applying PROGIBB LV PLUS T&O has the potential to dramatically promote flowering in many dicot and some monocot plants.

48/56

**NOTE:** PROGIBB LV PLUS T&O is very active and application at an excessive rate results in undesirable effects. First evaluate PROGIBB LV PLUS T&O on a small number of plants <u>prior</u> to application of the product on a widespread basis.

CUTFLOWERS	AST	ER	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE	APPLICATION TIMING
		(ppm a.i.)	
Aster:	To promote stem	50-100	Make 1-3 applications of 50-
Callistephus	elongation, and break		100 ppm during the early
chinensis	dormancy.		vegetative period. Apply
Monte Carlo-type	Applications of	l	when plants are 2"- 6" in
Novi-type	PROGIBB LV PLUS		height. Keep applications 2-3
Belgi-type	T&O have been shown		weeks apart.
	to increase stem		
	elongation and reduce	· · .	
	time to flowering.		<u></u>
	BABY'S BREAT	H (Gypsoph	uila)
Gypsophila	To accelerate plant	150-500	Apply 3-4 applications of
	growth, increase		150-500 ppm at 4 weeks of
	number of flowering	•	growth (after pinching). Keep
	stems, increase flower		applications 2 weeks apart.
	number and increase		
	uniformity.		
	Applications of		•
	PROGIBB LV PLUS		
	T&O have been shown		• • • • •
	to promote uniform and		i i
	increased flowering of		
	Gypsophila.		
	BELLS OF IRELA		
Moluccella	To accelerate plant	50-100	Apply when plants are 4"- 8"
	growth and stem		in height. Keep applications
	elongation		2-3 weeks apart.
	Applications of		
	PROGIBB LV PLUS		
	T&O have been shown		
	to promote plant growth		
	and stem elongation of		
· ·	Bells of Ireland.		

## **CUT FLOWERS**

CUT FLOWERS (con't)	
	1

.

	BUPLU	REUM	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm)	APPLICATION TIMING
Buplureum	To promote plant growth and stem elongation Applications of PROGIBB LV PLUS	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
	T&O have been shown to promote plant growth and stem elongation of <i>Buplureum sp</i> .		
	CAMPA	NULA	м
Campanula medium	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth and stem elongation of Campanula CANDY TU	50-100 FT (Iberis)	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
· · · · · · · · · · · · · · · · · · ·			
Iberis oderata	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth and stem elongation of Candy Tuft.	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
•			

•

. I.

+ x

•	COLUMN STOC	CK (Matthie	ola)
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE (ppm a.i.)	APPLICATION TIMING
Stock	To promote plant	50-100	Apply as a foliar spray when
. '	growth and stem		plants are 4"- 8" in height.
, ,	elongation.		Keep applications 2-3 weeks
	Applications of		apart.
	PROGIBB LV PLUS		
	T&O have been shown	•	
	to promote plant growth	*	· · ·
	and stem elongation of		1 · ·
	Matthiola incana	u.	(* · · · · · · · · · · · · · · · · · · ·
	DELPHI	NIÙM	<u> </u>
Delphinium	To promote plant	50-100	Apply as a foliar spray when
species: including	growth and stem		plants are 4"- 8" in height.
D. elatum,	elongation.		Keep applications 2-3 weeks
D. grandiflorum,	Applications of		apart.
D. belladonna,	PROGIBB LV PLUS	· · ·	
D. bellamosum,	T&O have been shown	1999 - A.	
D. cardinale,	to promote plant growth	· , -	
D. nudicale, and	and stem elongation of		
Delphinium	Delphinium		
hybrids.			
	DIDISCUS (	frächyme)	· · · · · · · · · · · · · · · · · · ·
Trachyme	To promote plant	50-100	Apply as a foliar spray when
	growth and stem		plants are 4"- 8" in height.
	elongation.		Keep applications 2-3 weeks
	Applications of	•	apart.
	PROGIBB LV PLUS	· · ·	
	T&O have been shown		
	to promote plant growth		
	and stem elongation of	`	
· ,	Didiscus		· · · · ·

CUT FLOWERS (	con't)		· · · · · · · · · · · · · · · · · · ·
	HYDRA	NGEA	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm a.i.)	APPLICATION TIMING
Hydrangea	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth and stem elongation of Hydrangea	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
	LARKS	SPUR	L
Larkspur Consolida ambigua, C. orientalis, Delphinium ajacis	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth and stem elongation of Larkspur	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
	LISIANTHUS	S (Eustoma)	
Lisianthus	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
	and stem elongation of <i>Eustoma grandiflora</i> .		

51/56

••

PHLOX			
CROP/VARIETY	<b>OBJECTIVE/BENEFIT</b>	RATE (ppm a.i.)	APPLICATION TIMING
Phlox	To promote plant	50-100	Apply as a foliar spray when
a sector de la construcción de la c	growth and stem		plants are 4"- 8" in height.
Phlox paniculata	elongation.		Keep applications 2-3 week
and Drummondi	Applications of		apart.
hybrida	PROGIBB LV PLUS		
	T&O have been shown		
	to promote plant growth		• · · · · · · · · · · · · · · · · · · ·
	and stem elongation of		
	Phlox		
	QUEEN ANNE'S	LACE (An	nmi)
Queen Anne's	To promote plant	50-100	Apply as a foliar spray when
Lace	growth and stem		plants are 4"- 8" in height.
	elongation.		Keep applications 2-3 week
	Applications of		apart.
;	PROGIBB LV PLUS		
	T&O have been shown		
• ,	to promote plant growth		
	and stem elongation of	· · ·	
	Queen Anne's Lace		
	SAFFLOWER	(Carthamu	s)
Safflower	To promote plant	50-100	Apply as a foliar spray when
	growth and stem		plants are 4"- 8" in height.
	elongation.		Keep applications 2-3 week
	Applications of	· .	apart.
	PROGIBB LV PLUS	-	
	T&O have been shown		
•	to promote plant growth	· · · ·	
	and stem elongation of		
	Safflower		

	SOLIDASTE	R (Solidago)	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm)	APPLICATION TIMING
Solidaster	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.
	to promote plant growth and stem elongation of Solidago.		
n na han an a	STATICE (I	Limonium)	
Statice Note: • Do not exceed	For earlier flowering and increased flower yield. Applications of PROGIBB LV PLUS T&O have been shown to decrease the time to flower, increase stem elongation, and increase flower yield of Statice.	400-500	Apply as a foliar spray 10 m (0.33 fl. oz.) of a 400 to 500 ppm solution to each plant when plants are 10 inches or more in diameter (approximately 90 to 110 days after sowing).
	hore than one application.	v nhotoneric	od, nutrition, and temperature.
• Accelerated Inc. Statice	To promote plant growth and stem elongation. Applications of PROGIBB LV PLUS T&O have been shown to promote plant growth and stem elongation of Statice	50-100	Apply as a foliar spray when plants are 4"- 8" in height. Keep applications 2-3 weeks apart.

53/56

<b>*</b>	SUNFLOWER	(Helianthu	<b>S)</b>
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE (ppm)	APPLICATION TEMENG
Sunflower	To promote plant	50-100	Apply as a foliar spray wh
	growth and stem		plants are 4"- 8" in height.
	elongation.		Keep applications 2-3 wee
an a	Applications of	i se se se se se	apart.
	PROGIBB LV-PLUS		-
• • • • •	T&O have been shown		
	to promote plant growth		
	and stem elongation of		
5. A	Sunflower	de alta antis, y	6. National and the second secon
	SWEET WILLL	AM (Dianth	us)
Sweet William	To promote plant	50-100	Apply as a foliar spray, wh
	growth and stem		plants are 4"- 8" in height.
	elongation.		Keep applications 2-3 wee
	Applications of		apart.
	PROGIBB LV PLUS		
	T&O have been shown		
	to promote plant growth		
· · · · · · · · · · · · · · · · · · ·	and stem elongation of Sweet William	ي. به د	

..

· •

ţ.

•

14

•

53

÷ •

· · · ·

.

an the second second

## APPLICATIONS TO TURFGRASS

Foliar applications of PROGIBB LV PLUS T&O have been shown to initiate or maintain growth and/or prevent color change during periods of cold stress on Bermudagrass grown in golf courses, parks and turf farms.

TUR	RF (GOLF COURSES, PA	RKS AND	TURF FARMS)
Cool Weather App		t	
CROP/VARIETY	OBJECTIVE/BENEFIT	RATE ./acre	APPLICATION TIMING
Bermudagrass (Tifdwarf, Tifgreen, and other cultivars)	To initiate or maintain growth and prevent color change during periods of cold stress and light frosts.	10-25 grams a.i. (5-12.5 oz)	Apply 10 grams a.i./acre weekly or 25 grams a.i./acre biweekly in 25-to-100 gallons of water/acre.
<ul> <li>area.</li> <li>Keep applicati</li> <li>Do not use on c</li> <li>Discontinue tre occasionally necessionally necessionall</li></ul>	ons of the high rate at least lormant turf atments if thinning is obser sary.	two weeks a	
Warm Weather Ap Bermudagrass Tifdwarf, Tifgreen	To maintain or enhance re-growth of golf course Bermudagrass during summer months.	1-3 grams a.i. (0.5-1.5 oz)	Apply 1-to-3 grams a.i./acre weekly in 25-to-100 gallons of water/acre.
NOTE: • Maintain adequi local area.	ate moisture and proper fe	rtilization pro	ograms as instructed for your

- Keep applications of the high rate at least two weeks apart.
- Do not use on dormant turf
- Discontinue treatments if thinning is observed. More frequent mowing is occasionally necessary.

## BEDDING PLANTS, ANNUAL AND PERENNIAL POTTED CROPS (for example: Tree Form Azalea, Flowering Chrysanthemum, Poinsettia) FIELD-GROWN ORNAMENTALS AND BULB CROPS

## **Application Instructions for Promotion of Plant Growth**

Apply PROGIBB LV PLUS T&O to bedding plants, annual and perennial potted crops, and bulb crops to promote plant growth. Applying PROGIBB LV PLUS T&O has the

potential to dramatically promote plant growth of most dicot and some monocot plants. Additionally, utilize a foliar PROGIBB LV PLUS T&O application to overcome overapplications of a gibberellin-inhibiting plant growth regulator.

56/56

• When applying PROGIBB LV PLUS T&O to promote plant growth, start with 1 ppm unless previous experience warrants higher use rates.

• If desired plant results are not achieved, a reapplication or an increase in rate is often warranted.

**NOTE:** PROGIBB LV PLUS T&O is very active and application at an excessive rate results in undesirable stem elongation. First evaluate PROGIBB LV PLUS T&O on a small number of plants **before** application of the product on a widespread basis.

Rate (ppm) (parts per million)	Timing	Method
1 to 25	Apply a single application directly to plant foliage	Foliar application

### STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Keep away from heat and open flame.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes can not be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Disposal: Nonrefillable container. Do not reuse or refill this container. 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. The flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

### NOTICE TO USER

To the extent permitted by applicable law, seller makes no warranty, express or implied, or 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.

<sup>©</sup>2013