

Sun Gro has you covered from Start to Finish. With our ever expanding professional product line, you can work with Sun Gro products throughout your crop's complete production cycle. Sunshine and Redi-earth seedling, propagation and plug mixes can get you started. Sunshine aggregates can be used to cover your plugs or seedlings, vegetative propagation, or when mixing your own formulations. Sunshine and Metro-Mix growing mixes can be used to grow and finish your plants. Multicote can be incorporated in your soil to provide a consistent source of nutrition for your plants. Technigro can be used in conjunction with Multicote, or on its own as the nutritional lifeline for your plants. Your plants will grow into a finished product you can be proud to put your name on. And, as you manage your crop, you can rely on Sun Gro's analytical services to give you the information necessary to grow your crops with ease. Finally, a horticultural company that can be your partner - throughout your crop's entire growing process.

## Customer Resource Centers

First select your region, and then choose the Customer Resource Center location closest to you:

### WESTERN REGION

Fillmore, UT	(435) 743-4032	Fax: (435) 743-4039
Hubbard, OR	(800) 842-3256	Fax: (888) 896-3005
Sacramento	(800) 222-2551	Fax: (916) 737-8808
Santa Maria	(805) 348-1923	Fax: (805) 348-9032
Seba Beach, AB	(888) 797-7328	Fax: (888) 797-6497
Vilna, AB	(866) 636-2006	Fax: (780) 636-3000

### CENTRAL REGION

Elma, MB	(888) 982-4500	Fax: (888) 982-4501
Pine Bluff, AR	(800) 255-9057	Fax: (870) 536-1033
Terrell, TX	(888) 800-6693	Fax: (888) 800-6694

### EASTERN REGION

Maisonnette, NB	(888) 896-1222	Fax: (888) 896-1444
Quincy, MI	(800) 964-5044	Fax: (800) 964-5144

### SOUTHEAST REGION

McCormick, SC	(800) 634-8316	Fax: (864) 465-2002
Orlando, FL	(800) 683-7700	Fax: (800) 231-5307



Distributed in the United States by Sun Gro Horticulture Distribution Inc.  
 15831 N.E. 8th Street, Suite 100, Bellevue, WA 98008 USA  
 Distributed in Canada by Sun Gro Horticulture Canada Ltd.  
 52130 RR 65, P.O. Box 189, Seba Beach, AB T0E 2B0 Canada  
 © 2008 Copyright Sun Gro Horticulture Canada Ltd. All Rights Reserved. © Sun Gro, Sunshine, Technigro, SunTower and Big Shot are registered trademarks of Sun Gro Horticulture Canada Ltd.  
 © Metro-Mix and Redi-earth are trademarks of Sun Gro Horticulture Canada CM Ltd.  
 © Multicote is a registered trademark of Haifa Chemicals, Ltd.  
 © Nutricote manufactured by: Chisso-Asahi Fertilizer Co., LTD. Tokyo, Japan



#001  
 Rev 3.0  
 06/2008

# Professional Growing Products Catalog



# North American Locations



**Headquarters** ★ **Sun Gro Horticulture Distribution Inc.** 15831 N.E. 8th Street, Suite 100, Bellevue, WA 98008 USA

★ **Sun Gro Horticulture Canada Ltd.** 52130 RR 65, P.O. Box 189, Seba Beach, AB T0E 2B0 Canada

● Production/Distribution Facilities	Colombier, Quebec	Maisonnette, New Brunswick	Rivière Du Loup, Quebec
	Elizabeth City, N. Carolina	Marysville, California	Quincy, Michigan
	Elma, Manitoba	McCormick, S. Carolina	Sacramento, California
	Fillmore, Utah	McFarland, California	Santa Maria, California
	Fort Frances, Ontario	Orlando, Florida	Seba Beach, Alberta
	Hubbard, Oregon	Pine Bluff, Arkansas	Terrell, Texas
	Julius, Manitoba	Port Cartier, Quebec	Valdosta, Georgia
	Lameque, New Brunswick	Portage, New Brunswick	Vilna, Alberta

■ Distribution Facilities	Abbotsford, British Columbia	Montreal, Quebec	Nogales, Arizona
	Laredo, Texas		

▲ Customer Resource Centers	Elma, Manitoba	1-888-982-4500	Fax: 1-888-982-4501
	Fillmore, Utah	1-435-743-4032	Fax: 1-435-743-4039
	Hubbard, Oregon	1-800-842-3256	Fax: 1-888-896-3005
	Maisonnette, New Brunswick	1-888-896-1222	Fax: 1-888-896-1444
	McCormick, S. Carolina	1-800-634-8316	Fax: 1-864-465-2002
	Orlando, Florida	1-800-683-7700	Fax: 1-800-231-5307
	Pine Bluff, Arkansas	1-800-255-9057	Fax: 1-870-536-1756
	Quincy, Michigan	1-800-964-5044	Fax: 1-800-964-5144
	Sacramento, California	1-800-222-2551	Fax: 1-916-737-8808
	Santa Maria, California	1-805-348-1923	Fax: 1-805-348-9032
	Seba Beach, Alberta	1-888-797-7328	Fax: 1-888-797-6497
	Terrell, Texas	1-888-800-6693	Fax: 1-888-800-6694
	Vilna, Alberta	1-866-636-2006	Fax: 1-780-636-3000



## Sun Gro Professional Growing Products

Our professional products and services consist of a complete line of premium quality growing mixes under the Sunshine®, Metro-Mix®, and Redi-earth® labels. Additionally, we offer Multicote® brand controlled release fertilizer (CRF), Technigro® brand water soluble fertilizer (WSF), a full range of analytical services, and several distinct grades of Canadian Sphagnum peat moss to meet every professional grower's needs. Sun Gro professional products are developed by professional horticulturists and produced under the industry's highest quality standards.

### Our professional product line consists of:

- Peat and bark-based growing mixes to meet your plants' needs
- Controlled release fertilizer developed specifically for nursery and greenhouse crops
- Technigro water soluble fertilizer for every crop and water quality situation
- Canadian Sphagnum peat moss in several grades
- Coconut Coir Pith
- Perlite and Vermiculite aggregates for those of you who prefer to Mix Your Own
- Testing/Analytical services for water, growing media and tissue analysis

Sunshine, Metro-Mix and Redi-earth Professional Growing Mixes are created by combining peat, bark, perlite, vermiculite or coir, and depending upon the specific formulation, the mixes may include Dolomitic Limestone, a balanced initial nutrient package which typically lasts for one feeding, and a long-lasting wetting agent. Our mixes are designed to meet the unique needs of the plants you grow as well as fit into the flow of your operation, whether you want to use the easy-to-handle 2.8 cu ft size or the economy sized Big Shot or SunTower. And after you've planted your crop, you will find a Technigro Fertilizer to meet the specifics of your irrigation water whether your alkalinity is 30 or 300.

As a professional grower you know that for continued success testing is a must. Our analytical services include "kits" for preparation of your water, media or tissue. Interpretation of the analysis is available from our professional Technical Specialists.

Do you want to Mix Your Own? Well, Sun Gro can help with our full line of products which includes several grades of Canadian Sphagnum peat moss, Perlite and Vermiculite, Coconut Coir Pith, as well as Controlled Release Fertilizer. You can make your own mix with the assurance that the mix you developed was made with high quality inputs from Sun Gro.

You say you have a formulation that no one has? And your business has grown to the point that you can no longer mix your own? Do yourself a favor and ask about our Custom Blend Program.

### Table of Contents

PAGE 4	Sunshine Peat-based Mixes
PAGE 6	Sunshine Bark-based Mixes
PAGE 8	Sunshine Regional Bark Mixes
PAGE 10	Sunshine Organic Mixes
PAGE 12	Sunshine Series 900 Mixes
PAGE 13	Metro-Mix Growing Mixes
PAGE 17	Redi-earth Mixes
PAGE 18	Sunshine Peat Moss
PAGE 19	Multicote Controlled Release Fertilizer
PAGE 22	Sunshine Technigro Water Soluble Fertilizer
PAGE 24	Sunshine Aggregates
PAGE 26	Analytical Services

# SUNSHINE®



## Peat-based Mixes

**Sun Gro Horticulture** has long set the standard for the industry to follow in professionally formulated growing mixes. We formulate our mixes to give consistent results in every bag, bale and truckload. We offer a wide variety of consistent and dependable peat-based blends made with select Canadian Sphagnum peat moss, aggregates and nutrients to meet every crop's need.



### Sunshine Mix # 1 / Loosefill Complete 1

Mix # 1 is, by far, our most versatile formulation expert growers choose for the production of a wide variety of crops.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
501	110 cu ft	1	n/a
521	80/70/60 cu ft loose fill	2	n/a
501	55 cu ft	2	n/a
501	3.8 cu ft	30	064277 071446
521	2.8 cu ft loose fill	51-54†	064277 081933



### Sunshine Mix # 2 / Loosefill Basic 2

Mix # 2 is appropriate for the same general uses as Mix # 1, but no nutrient charge has been added, allowing you to have complete control over fertilization.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite
- Gypsum
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
502	110 cu ft	1	n/a
522	80/70/60 cu ft loose fill	2	n/a
502	55 cu ft	2	n/a
502	3.8 cu ft	30	064277 072443
522	2.8 cu ft loose fill	51-54†	064277 082282



### Sunshine Mix # 3 / Loosefill Germinating 3

Mix # 3 is designed for germinating seeds and other propagation applications. It has a specially screened shorter fiber peat, and a low fertilizer charge to protect seedlings and plugs.

**Ingredients:**

- Fine Canadian Sphagnum peat moss
- Vermiculite
- Low Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
503	110 cu ft	1	n/a
523	80/70/60 cu ft loose fill	2	n/a
503	55 cu ft	2	n/a
503	3.8 cu ft	30	064277 073440
523	2.8 cu ft loose fill	51-54†	064277 083937



### Sunshine Mix # 4 / Aggregate Mix 4

Mix # 4 is recommended where high air capacity and fast drainage are needed: during winter months, with water and salt sensitive crops, or where frequent leaching is required.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
504	110 cu ft	1	n/a
524	80/70/60 cu ft loose fill	2	n/a
504	55 cu ft	2	n/a
504	3.8 cu ft	30	064277 074447
524	2.8 cu ft loose fill	51-54†	064277 084286



### Sunshine Mix # 5 / Loosefill Plug 5

Mix # 5 is designed to promote better root development in ornamental and vegetable transplant plugs.

**Ingredients:**

- Fine Canadian Sphagnum peat moss
- Fine Perlite
- Low Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
505	110 cu ft	1	n/a
525	80/70/60 cu ft loose fill	2	n/a
505	55 cu ft	2	n/a
505	3.8 cu ft	30	064277 075444
525	2.8 cu ft loose fill	51-54†	064277 085931



### Sunshine Mix # 6 / Loosefill Premix 6

For those who mix your own, Mix # 6 contains no aggregate, allowing you to control drainage by choosing your own aggregate (e.g. pumice or bark.)

**Ingredients:**

- Canadian Sphagnum peat moss
- Nutrient Charge (with Gypsum)  
*(contains twice the fertilizer charge and Gypsum as our Mix # 1)*
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
506	110 cu ft	1	n/a
526	80/70/60 cu ft loose fill	2	n/a
506	55 cu ft	2	n/a
506	3.8 cu ft	30	064277 076441
526	2.8 cu ft loose fill	51-54†	064277 086280



### Sunshine Mix # 7 / Loosefill Gel Polymer 7

Polymer Gel holds available water near the roots, making it an excellent mix for plants needing frequent watering or receive less than ideal care once they leave the greenhouse.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite, Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent
- Super absorbent polymer

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
507	110 cu ft	1	n/a
527	80/70/60 cu ft loose fill	2	n/a
507	55 cu ft	2	n/a
507	3.8 cu ft	30	064277 077448
527	2.8 cu ft loose fill	51-54†	064277 087287



### Sunshine Mix # 8 / Loosefill Complete 8

Mix # 8 is an all-purpose mix with Vermiculite and Perlite which makes it suitable for a wide variety of plants.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite & Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
509	110 cu ft	1	n/a
529	80/70/60 cu ft loose fill	2	n/a
509	55 cu ft	2	n/a
509	3.8 cu ft	30	064277 078384
529	2.8 cu ft loose fill	51-54†	064277 088284

### Usage Guide

	Mix 1 LC1	Mix 2 LB2	Mix 3 LG3	Mix 4 LA4	Mix 5 LP5	Mix 6 LPM6	Mix 7 LGP7	Mix 8 LC8
Compressed Bale: Loose Fill Bag:								
Cutting Propagation	★	★		★	●	●	★	
Bedding Plants	★	★	●	★	●	●	●	★
Vegetable Plants	★	★	●		●	●	●	★
Hanging Baskets	★	★		★		●	★	★
Pot Crops	★	★		★		●	★	★
Seed Germination	★	★	★		★			
Plugs			★		★			
Nursery Stock	●	●		★		●	●	●
Perennials	●	●		★		●		★
Interiorscape	●	●		★		●	★	●
Vegetable Plugs			★		★			

● = Suitable ★ = Highly recommended †Other uses depend on choice and amount of aggregate.

### Size Availability Guide

Sun Gro Production Facilities:	Seba Beach AB	Hubbard OR	Fillmore UT	Elma MB	Terrell TX	Pine Bluff AR	Eastern Canada Plants	Quincy MI	Elizabeth City NC	McCormick SC
Suntower 110 cu ft compressed							●			
Big Shot 55 cu ft compressed	●			●			●			
Minibulk 80, 70, 60 cu ft loose fill	60 cu ft	60 cu ft	60 cu ft	60 cu ft	60 cu ft	60 cu ft	80 cu ft	80, 70 & 60 cu ft	60 cu ft	60 cu ft
3.8 cu ft compressed	●			●			●			
2.8 cu ft loose fill	●	●	●	●	●	●	●	●	●	●

†Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.

# Take A Giant Step To The SunTower®

### Sunshine SunTower...

brings a whole new dimension to compressed growing media - it's a 110 cu ft compressed bale that combines convenience, economical savings, transports easily and can be stored outdoors.

- ✓ Reduces packaging waste
- ✓ Cuts down handling time
- ✓ Equivalent to 27 or 28 - 3.8 cu ft bales
- ✓ Saves time in unloading
- ✓ Most popular Sunshine products are available in this format
- ✓ 22-24 units per load

SunTower is only available in the Eastern Region.



### Big Shot

Our 55 cu ft compressed Big Shot bale lends itself to the most efficient mechanized handling available. This means less handling and lower packaging disposal costs. Big Shot is available in a "cube" format, or with a lifting panel.\*

\*Lifting panel not available out of all production plants.

### Minibulk

Our Minibulk bag is easily managed by mechanized operations and doesn't require any fluffing.

Available in 60 cu ft loose fill from our Western and Central regions, and 80, 70, 60 & 45 loose fill cu ft from our Eastern region.



### Ingredient Matrix

Peat-Based Mix*	Canadian Sphagnum peat moss	Perlite	Vermiculite	Starter Nutrient Charge	Gypsum (Calcium sulfate)	Dolomitic Limestone	Long-Lasting Wetting Agent
Mix 1/LC1	70-80%	20-30%	-	●	●	●	●
Mix 2/LB2	70-80%	20-30%	-	-	●	●	●
Mix 3/LG3	70-80%	-	20-30% Seeding Grade	half strength	half strength	●	●
Mix 4/LA4	60-70%	30-40%	-	●	●	●	●
Mix 5/LP5	70-80%	20-30% Seeding Grade	-	half strength	half strength	●	●
Mix 6/LPM6	100%	-	-	double strength	double strength	●	●
Mix 7/LGP7	70-80%	20-30%	-	●	●	●	●
Mix 8/LC8	70-80%	20-25%	5-10%	●	●	●	●

\*Custom Blend mixes also available. Contact your Sun Gro representative for information. This data is for information purposes only and Sun Gro Horticulture Canada Ltd. makes no warranty of any kind, expressed or implied, regarding the information provided herein.

# SUNSHINE.

Your success is our number one priority.



**Sunshine Bark Mixes** have been professionally formulated, blended and tested for optimum physical and chemical characteristics. **pH:** All Sunshine Bark Mixes are pH adjusted with Dolomitic Limestone for long-term buffering plus Gypsum to provide adequate amounts of calcium and sulfur.

**Fertilizer:** All Sunshine Bark Mixes contain a starter fertilizer charge (equal to about one liquid feeding) containing N-P-K plus trace elements. **Composted Bark:** All Sunshine Bark Mixes provide increased aeration, drainage, and bulk density that supports your plants. Our bark is composted at our sites to the highest quality standards.

**Peat Moss:** All Sunshine Bark Mixes contain long fibrous Canadian Sphagnum peat moss. This peat moss is known to be the best available from Canada and is exported to professional growers around the world.



## SB 100 Bedding

SB 100 is a fine textured growing mix. It is well suited for growing bedding plants.

### Ingredients:

- Fine bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
551002	60/70* cu ft loose fill	2	n/a
551002	2.8 cu ft loose fill	30-40 <sup>†</sup>	064277 111289
551002	Bulk	n/a	n/a



## SB 300 Universal

SB 300 is a medium textured, well-drained mix. It is well suited for growing crops in containers from cell packs to hanging baskets.

### Ingredients:

- Coarse bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
553001	60/70* cu ft loose fill	2	n/a
553001	2.8 cu ft loose fill	30-40 <sup>†</sup>	064277 113283
553001	Bulk	n/a	n/a



## SB 500 High Porosity

SB 500 is a coarse textured, well-drained mix, suited for growing in large containers including hanging baskets and interiorscapes.

### Ingredients:

- Coarse bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
558003	60/70* cu ft loose fill	2	n/a
558003	2.8 cu ft loose fill	30-40 <sup>†</sup>	064277 115287
558003	Bulk	n/a	n/a

# Bark-based Mixes



## SB 200/SB 20

SB 200 is a medium to fine textured, well-drained growing mix for hanging baskets and potted crops.

### Ingredients:

- Coarse bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
552001	60/70* cu ft loose fill	2	n/a
552001	2.8 cu ft loose fill	30-40 <sup>†</sup>	064277 112286
552001	Bulk	n/a	n/a



## SB 400/SB 40

SB 400 is a medium textured, well-drained general-purpose mix. It is well suited for growing crops in containers ranging from cell packs to hanging baskets.

### Ingredients:

- Coarse bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

CR PROD. NO.	ER PROD. NO.	SIZE	UNITS/PALLET	UPC
555007	555005	60/70* cu ft loose fill	2	n/a
555007	555005	2.8 cu ft loose fill	30-40 <sup>†</sup>	064277 114280
555007	555005	Bulk	n/a	n/a

## Usage Guide

Formula:	SB 100	SB 200	SB 300	SB 400	SB 500
Bedding Plants	★		★		
Hanging Baskets	★	★	★	★	★
Perennials		★	★	★	★
Poinsettias		★	★	★	★
Mums	★	★	★	★	
8" - 2 gallon pots				★	★
Interiorscape, Patio, Nursery					★

★ = Highly recommended

## Ingredient Matrix

Bark Based Mixes*	Bark** (Bark Size)	Canadian Sphagnum peat moss	Perlite	Vermiculite	Starter Nutrient Charge	Gypsum (Calcium sulfate)	Slow Release Nitrogen	Dolomitic Limestone	Long-Lasting Wetting Agent
SB 100	50-60% (Minus 3/8")	15-25%	5-15%	20-30%	●	●	●	●	●
SB 200	15-25% (Minus 5/8")	55-65%	15-25%	-	●	●	●	●	●
SB 300	50-60% (Minus 5/8")	15-25%	5-15%	15-25%	●	●	●	●	●
SB 400	35-45% (Minus 5/8")	40-50%	10-20%	-	●	●	●	●	●
SB 500	35-45% (Minus 5/8")	20-30%	5-15%	20-30%	●	●	●	●	●

\*Custom Blend mixes also available. Contact your Sun Gro representative for information. This data is for information purposes only and Sun Gro Horticulture Canada Ltd. makes no warranty of any kind, expressed or implied, regarding the information provided herein.

\*\*Product will consist of Composted Pine Bark in Central and Eastern regions. Product will consist of Composted Fir Bark in the Western region.

## Container Fill Estimates

CONTAINER SIZE	LOW	HIGH	CONTAINER SIZE	LOW	HIGH	CONTAINER SIZE	LOW	HIGH
PLUG TRAY: DEEP	7	9	4" AZALEA	52	57	8" HANG. BASKET	10	12
CELL PAKS: FLAT	5	7	5" AZALEA	25	30	10" HANG. BASKET	4	6
2 1/4" SQUARE	350	360	6" AZALEA	16	20	1 QT CONTAINER	22	27
3" SQUARE	125	130	7" STANDARD	8	9	1 GAL. NURSERY	6	8
4" SQUARE	52	57	8" STANDARD	5	6			

## Availability Guide

ALL REGIONS	Hubbard OR	Fillmore UT	Elma MB	Terrell TX	Pine Bluff AR	Quincy MI	Elizabeth City NC	McCormick SC
SB 100 - SB 500	●	●	●	●	●	●	●	●

**Regional Availability** To take advantage of local raw materials, Sun Gro offers these regionally formulated bark-based mixes. See pages 8 thru 9 for complete details.

WESTERN REGION	Hubbard OR	Fillmore UT	Elma MB	Terrell TX	Pine Bluff AR	Quincy MI	Elizabeth City NC	McCormick SC
<b>Growers C</b>	●	●						
SB 40	●	●						
SB 50	●	●						
CENTRAL REGION	Elma MB	Terrell TX	Pine Bluff AR	Quincy MI	Elizabeth City NC	McCormick SC		
SB 350	●	●	●	●				
SB 650	●	●	●	●				
EASTERN REGION	Quincy MI	Elizabeth City NC	McCormick SC					
SB PX1		●	●					
SB PX2		●	●					
SB PX3		●	●					
SB 360		●	●					
SB 300-H		●	●					
SB GBX		●	●					
SB MUM		●	●					

\*70 cu ft loose fill available only from our Quincy, MI site. \*\*Product will consist of Composted Pine Bark in Central and Eastern regions. Product will consist of Composted Fir Bark in the Western region.

† Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.

Contact your Sun Gro Representative for size availability by location.

# SUNSHINE.



## Regional Bark-based Formulations

## Eastern Region Bark Mixes



### Sunshine 360

360 is a fine textured mix that has a high water holding capacity. It is well suited for growing crops in containers ranging in size from cell packs to 6" pots.

**Ingredients:**

- Pine bark and Peanut Hulls
- Canadian Sphagnum peat moss
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360360	60 cu ft loose fill	2
2360360	2.8 cu ft loose fill	30-40
2360360	Bulk	n/a



### Sunshine 300-H

300-H is a medium to coarse textured, well-drained mix with high air space. It is well suited for growing crops in containers ranging in size from 4" to large containers.

**Ingredients:**

- Pine bark and Peanut Hulls
- Canadian Sphagnum peat moss
- Vermiculite and Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360302	60 cu ft loose fill	2
2360302	2.8 cu ft loose fill	30-40
2360302	Bulk	n/a



### Sunshine PX1

PX1 is a fine to medium textured, well-drained general purpose mix. It is well suited for growing crops in containers ranging in size from cell packs to hanging baskets.

**Ingredients:**

- Pine bark and Peanut Hulls
- Canadian Sphagnum peat moss
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360010	60 cu ft loose fill	2
2360010	2.8 cu ft loose fill	30-40
2360010	Bulk	n/a



### Sunshine PX2

PX2 is a medium textured, well-drained general purpose mix. It is suitable for growing crops in containers ranging in size from 4" pots to hanging baskets.

**Ingredients:**

- Pine bark and Peanut Hulls
- Canadian Sphagnum peat moss
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360020	60 cu ft loose fill	2
2360020	2.8 cu ft loose fill	30-40
2360020	Bulk	n/a



### Sunshine PX3

PX3 is a coarse textured, well-drained mix. It is perfectly suited for growing crops in containers ranging in size from 6" pots to large containers.

**Ingredients:**

- Pine bark and Peanut Hulls
- Canadian Sphagnum peat moss
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360030	60 cu ft loose fill	2
2360030	2.8 cu ft loose fill	30-40
2360030	Bulk	n/a



### Sunshine MUM

MUM is a coarse textured, well-drained mix. It is ideal for growing pot mums and perennials in containers ranging in size from 1 to 3 gallon nursery containers.

**Ingredients:**

- Pine bark
- Composted Peanut Hulls
- Perlite
- Canadian Sphagnum peat moss
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2360908	60 cu ft loose fill	2
2360908	2.8 cu ft loose fill	30-40
2360908	Bulk	n/a

## Western Region Bark Mixes



### Sunshine Growers C

Growers C is a fine to medium textured, well drained all purpose mix. It is perfectly suited for growing crops in containers ranging in size from cell packs to gallons.

**Ingredients:**

- Canadian Sphagnum peat moss
- Douglas Fir fine bark
- Coarse Perlite
- Pumice or Cinders\*
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2353207	60 cu ft loose fill	2
2353207	2.8 cu ft loose fill	40
2353207	Bulk	n/a

\*Pumice in Hubbard, OR and Cinders in Fillmore, UT.

In order to take advantage of locally available raw materials, Sun Gro offers these regionally formulated bark-based mixes. Our Western Region mixes are produced in Hubbard, OR and Fillmore, UT.



Bark-based mixes for the Central Region are produced out of our Elma, MB, Quincy, MI, Terrell, TX and Pine Bluff, AR facilities. Our Eastern Region bark mixes are manufactured in Elizabeth City, NC and McCormick, SC.

Incorporation of Banrot, Controlled Release Fertilizer, High Lime, Low Lime and Biocontrol product options available. Contact your Sun Gro Representative for more information.



### Sunshine SB 40

SB 40 is a medium textured, well drained general purpose mix. It is well suited for growing crops in containers ranging in size from cell packs to gallons.

**Ingredients:**

- Douglas Fir fine bark
- Canadian Sphagnum peat moss
- Pumice or Cinders\*
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2353511	56 cu ft loose fill	2
2353511	2.0 cu ft loose fill	40
2353511	Bulk	n/a



### Sunshine SB 50

SB 50 is a medium to coarse textured, well drained all purpose mix. It is suitable for growing crops in containers ranging in size from 6" to hanging baskets.

**Ingredients:**

- Douglas Fir fine bark
- Canadian Sphagnum peat moss
- Pumice or Cinders\*
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
2353512	56 cu ft loose fill	2
2353512	2.0 cu ft loose fill	40
2353512	Bulk	n/a

## Central Region Bark Mixes



### Sunshine SB 350

SB 350 is a mid-weight bark mix for use in growing a wide range of greenhouse crops such as poinsettias, bedding plants, hanging baskets, geraniums and pot mums.

**Ingredients:**

- Canadian Sphagnum peat moss
- Pine bark
- Coarse Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
553019	60 cu ft loose fill	2
553019	2.8 cu ft loose fill	40
553019	Bulk	n/a



### Sunshine SB 650

SB 650 is a heavyweight bark mix formulated with the perennial grower in mind. SB 650 contains 60-70% composted pine bark for superior drainage and excellent container stability.

**Ingredients:**

- Pine bark
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET
551011	60 cu ft loose fill	2
551011	2.8 cu ft loose fill	40
551011	Bulk	n/a



# Organic Mixes



### Basic Organic

Sunshine Basic Organic is our most versatile formulation that expert growers choose for production of a wide variety of crops.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
508002	Suntower 110 cu ft	1	n/a
508002	80/60 cu ft loose fill	2	n/a
508002	3.8 cu ft	30	n/a
508002	2.8 cu ft loose fill	51-54†	n/a



### Germination Organic

This mix is suitable for a wide range of growing needs, particularly where less frequent watering is desired. It has a shorter fiber peat than our other mixes.

**Ingredients:**

- Fine Canadian Sphagnum peat moss
- Fine Vermiculite
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
508003	Suntower 110 cu ft	1	n/a
508003	80/60 cu ft loose fill	2	n/a
508003	3.8 cu ft	30	n/a
508003	2.8 cu ft loose fill	51-54†	n/a

### The Sunshine Professional Mix Family

includes organic versions of our popular Sunshine Peat-based mixes. The new mixes are formulated with Dolomitic Limestone, Gypsum and an organic wetting agent (Yucca extract) which all meet OMRI requirements in organic production.

Developed in response to customer requests, these mixes are formulated to help the professional organic grower cultivate strong, healthy crops.

Listed by the Organic Materials Review Institute (OMRI) for the use in production of organic food and fiber, the OMRI Logo assures our product's compliance to OMRI's comprehensive product review process.



### Aggregate Organic

Sunshine Aggregate Organic is recommended where high air capacity and fast drainage are needed: during winter months, with water and salt sensitive crops, or where frequent leaching is required.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coarse Perlite
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
508004	Suntower 110 cu ft	1	n/a
508004	80/60 cu ft loose fill	2	n/a
508004	3.8 cu ft	30	n/a
508004	2.8 cu ft loose fill	51-54†	n/a



### Plug Organic

Sunshine Plug Organic is designed to promote better root development in ornamental and vegetable transplant plugs.

**Ingredients:**

- Fine Canadian Sphagnum peat moss
- Fine Perlite
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
508005	Suntower 110 cu ft	1	n/a
508005	80/60 cu ft loose fill	2	n/a
508005	3.8 cu ft	30	n/a
508005	2.8 cu ft loose fill	51-54†	n/a



### Premix Organic

Sunshine Premix Organic contains no aggregate, allowing you to control drainage by choosing your own aggregate (e.g. pumice or bark.)

**Ingredients:**

- Canadian Sphagnum peat moss
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
508006	Suntower 110 cu ft	1	n/a
508006	80/60 cu ft loose fill	2	n/a
508006	3.8 cu ft	30	n/a
508006	2.8 cu ft loose fill	51-54†	n/a



### Grower's Organic

Grower's Organic is the choice for growers looking for high water holding capacity and increased bulk density. Best used in cell packs to 4 inch pots.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coir
- Coarse Perlite
- Coarse Vermiculite
- Dolomitic Limestone and an organic wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2375006	60 cu ft loose fill	2	n/a
2375006	2.8 cu ft loose fill	51-54†	n/a



Listed by the Organic Materials Review Institute (OMRI) for use in production of organic food and fiber, the OMRI Logo assures our product's compliance to OMRI's comprehensive product review process. OMRI is a

nonprofit organization created to provide professional, independent, and transparent review of materials and compatible processes allowed to produce, process, and handle organic food and fiber. Organic certifying organizations recognize the value of OMRI listed products during their certification process.

Ingredient Matrix	Canadian Sphagnum peat moss	Perlite	Vermiculite	Gypsum (Calcium sulfate)	Dolomitic Limestone	Organic Wetting Agent**
<b>Basic Organic</b>	70-80%	20-30%	-	●	●	●
<b>Germination Organic</b>	70-80%	-	20-30% Seeding Grade	half strength	●	●
<b>Aggregate Organic</b>	60-70%	30-40%	-	●	●	●
<b>Plug Organic</b>	70-80%	20-30% Seeding Grade	-	half strength	●	●
<b>Premix Organic</b>	100%	-	-	double strength	●	●

\*This data is for information purposes only and Sun Gro Horticulture Canada Ltd. makes no warranty of any kind, expressed or implied, regarding the information provided herein.  
\*\*Yucca Extract

Availability Guide	Sun Gro Production Facilities:	Seba Beach AB	Hubbard OR	Fillmore UT	Elma MB	Terrell TX	Pine Bluff AR	Lameque NB	Portage NB	Quincy MI
<b>Basic Organic</b>		●	●	●	●	●	●	●	●	●
<b>Germination Organic</b>		●	●	●	●	●	●	●	●	●
<b>Aggregate Organic</b>		●	●	●	●	●	●	●	●	●
<b>Plug Organic</b>		●	●	●	●	●	●	●	●	●
<b>Premix Organic</b>		●	●	●	●	●	●	●	●	●
<b>Grower's Organic</b>			●	●						

† Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.



# SUNSHINE® Series 900 Mixes

We've expanded our Sunshine mix line with five familiar formulations. Each of these mixes is formulated with high quality raw materials, including Vermiculite, and the same nutrient package used in our standard Peat-Lite and Bark-based mixes. Our raw materials are internally processed so we can ensure consistent quality with every order.



## Sunshine 910

Mix 910 is a coarse textured, well-drained growing mix ideal for growing crops in containers ranging from 6" pots to larger containers.

### Ingredients:

- Canadian Sphagnum peat moss
- Coarse bark\*\*
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2300084	60 & 70 cu ft	2	n/a
2300084	2.8 cu ft	39-40†	064277 091284
2300084	Bulk	n/a	n/a



## Sunshine 935

A medium to coarse textured, broad-use growing mix for growing crops in 4-6" pots and baskets.

### Ingredients:

- Canadian Sphagnum peat moss
- Vermiculite
- Coarse bark\*\*
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2300077	60 & 70 cu ft	2	n/a
2300077	2.8 cu ft	39-40†	n/a
2300077	Bulk	n/a	n/a



## Sunshine 950

A fine textured growing mix well suited for seedlings, flats, and small cell packs.

### Ingredients:

- Canadian Sphagnum peat moss
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2300081	60 & 70 cu ft	2	n/a
2300081	2.8 cu ft	54	n/a
2300081	Bulk	n/a	n/a

Usage Guide	Series 910	Series 935	Series 950	Series 960	Series 980
900 Series Mixes					
Cutting Propagation			●	●	
Bedding Plants	●	●	●	★	●
Vegetable Plants	●	●	●	●	●
Hanging Baskets	●	●			●
Pot Crops	★	★		●	★
Seed Germination			★	●	
Plugs					
Nursery Stock	●				
Perennials	★	★			●
Interiorscape	●	●			●
Vegetable Plugs				●	

● = Suitable ★ = Highly recommended



## Sunshine 960

A medium textured, well drained mix with bark recommended for growing in flats to 4" pots.

### Ingredients:

- Canadian Sphagnum peat moss
- Fine bark\*\*
- Vermiculite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2300082	60 & 70 cu ft	2	n/a
2300082	2.8 cu ft	39-40†	064277 092281
2300082	Bulk	n/a	n/a



## Sunshine 980

A medium textured, all-purpose mix well suited for growing crops in containers, from cell packs to hanging baskets.

### Ingredients:

- Canadian Sphagnum peat moss
- Coarse bark\*\*
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2300083	60 & 70 cu ft	2	n/a
2300083	2.8 cu ft	39-40†	n/a
2300083	Bulk	n/a	n/a

† Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.

900 Series Mix*	Ingredient Matrix				Starter Nutrient Charge	Gypsum (Calcium sulfate)	Slow Release Nitrogen	Dolomitic Limestone	Long-Lasting Wetting Agent
	Bark** (Bark Size)	Canadian Sphagnum peat moss	Perlite	Vermiculite					
910	40-50% (Minus 5/8")	20-30%	-	25-35%	●	●	●	●	●
935	20-30% (Minus 5/8")	40-50%	-	25-35%	●	●	●	●	●
950	-	45-55%	5-15%	30-40%	●	●	●	●	●
960	15-25% (Minus 3/8")	40-50%	-	30-40%	●	●	●	●	●
980	15-25% (Minus 5/8")	35-45%	10-20%	20-30%	●	●	●	●	●

\*Custom Blend mixes also available. Contact your Sun Gro representative for information. This data is for information purposes only and Sun Gro Horticulture Canada Ltd. makes no warranty of any kind, expressed or implied, regarding the information provided herein.  
\*\*Product will consist of Composted Pine Bark in Central and Eastern regions.

# Metro-Mix®



Sun Gro carries on the excellent tradition of Metro-Mix quality that growers trust. The Metro-Mix lineup offers a broad range of applications ranging from small cell-packs to large containers. Certain Metro-Mix formulas include processed bark ash or coconut coir pith (coir), distinctive ingredients that offer unique characteristics to a blend. All formulas are pH adjusted, contain a lean nutrient starter charge and our long-lasting wetting agent.

## Metro-Mix 200 Series



### Metro-Mix 200

Excellent for propagation and growing-on. Outstanding for bedding plants, smaller potted plants & hanging baskets.

### Ingredients:

- Vermiculite
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392868	60 cu ft	2	n/a
2392868	2.8 cu ft	45-54†	n/a
2392868	Bulk	n/a	n/a



### Metro-Mix 250

Metro-Mix 250 contains bark ash and can be used for similar crops as Metro-Mix 200.

### Ingredients:

- Vermiculite
- Canadian Sphagnum peat moss
- Coarse Perlite
- Bark ash
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392063	60 cu ft	2	n/a
2392063	2.8 cu ft	45-54†	n/a
2392063	Bulk	n/a	n/a

## Metro-Mix 300 Series



### Metro-Mix 300

A good choice for a wide range of crops growing in mid to large size containers. May be used in indoor / outdoor landscape installation and large specimen plants.

### Ingredients:

- Vermiculite
- Bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392053	60 cu ft	2	n/a
2392053	2.8 cu ft	39-45†	n/a
2392053	Bulk	n/a	n/a



### Metro-Mix 350

Excellent for a wide range of plants grown in smaller container types or cell packs. A good choice for landscape / plantscape applications where more water holding is desired.

### Ingredients:

- Vermiculite
- Canadian Sphagnum peat moss
- Bark ash
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392041	60 cu ft	2	n/a
2392041	2.8 cu ft	45	n/a
2392041	Bulk	n/a	n/a

Container Fill Estimates						Number of containers filled by one cubic foot of mix:					
CONTAINER SIZE		LOW	HIGH	CONTAINER SIZE		LOW	HIGH	CONTAINER SIZE		LOW	HIGH
PLUG TRAY: DEEP		7	9	4" AZALEA		52	57	8" HANG. BASKET		10	12
CELL PAKS: FLAT		5	7	5" AZALEA		25	30	10" HANG. BASKET		4	6
2 1/4" SQUARE		350	360	6" AZALEA		16	20	1 QT CONTAINER		22	27
3" SQUARE		125	130	7" STANDARD		8	9	1 GAL. NURSERY		6	8
4" SQUARE		52	57	8" STANDARD		5	6				

\*\*Product will consist of Composted Pine Bark in Central and Eastern regions and Composted Fir Bark in the Western region. † Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area. Metro-Mix and Redi-earth brands are sold only in the United States.



**Metro-Mix 360**

The most popular Metro-Mix formulation. Similar to Metro-Mix 350, but with additional aggregate for drainage. A great choice for a wide range of crop types and container styles.

**Ingredients:**

- Canadian Sphagnum peat moss
- Vermiculite
- Fine bark\*\*
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392031	60 cu ft	2	n/a
2392031	2.8 cu ft	40-45†	064277 043283
2392031	Bulk	n/a	n/a



**Metro-Mix 360 Coir**

Premium choice, featuring coir, for a wide range of plants grown in smaller container types or cell packs. A good choice for landscape / plantscape applications where more water holding characteristics are desired.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coir
- Bark ash
- Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392048	60 cu ft	2	n/a
2392048	2.8 cu ft	39-40†	n/a



**Metro-Mix 366**

Exceptional for bedding and potted plants. Best used for mid to large size containers. May be used in indoor plantscapes and other landscape applications.

**Ingredients:**

- Canadian Sphagnum peat moss
- Vermiculite
- Bark\*\*
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392095	60 cu ft	2	n/a
2392095	2.8 cu ft	40-45†	n/a
2392095	Bulk	n/a	n/a



**Metro-Mix 366 Coir**

Exceptional for bedding, potted plants and foliage. May be used in mid to large container types. Well suited for indoor plantscapes and other landscape applications.

**Ingredients:**

- Coir
- Vermiculite
- Bark\*\*
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392862	60 cu ft	2	n/a
2392862	2.8 cu ft	39-40†	n/a
2392862	Bulk	n/a	n/a



**Metro-Mix 366P Coir**

Exceptional for bedding, potted plants and foliage, and for mid to large containers. Contains additional perlite to aid drainage. Well suited for indoor plantscapes and landscape applications.

**Ingredients:**

- Coir
- Bark\*\*
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392248	60 cu ft	2	n/a
2392248	2.8 cu ft	39-40†	n/a
2392248	Bulk	n/a	n/a



**Metro-Mix 380**

A popular mix for a wide range of plant types grown in mid to large size containers. Excellent balance of water holding properties and drainage. May be used in indoor / outdoor landscape installation and large specimen plants.

**Ingredients:**

- Canadian Sphagnum peat moss
- Vermiculite
- Bark\*\*
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392191	60 cu ft	2	n/a
2392191	2.8 cu ft	45	n/a



**Metro-Mix 380 Coir**

Similar to Metro-Mix 380, but features the benefits of coir. Gaining popularity as a mix for bedding plants and other crop types in mid to large size containers.

**Ingredients:**

- Bark\*\*
- Canadian Sphagnum peat moss
- Coir
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392196	60 cu ft	2	n/a
2392196	2.8 cu ft	39-45†	n/a
2392196	Bulk	n/a	n/a



**Metro-Mix 390**

Great lightweight mix for a wide range of plant types and container sizes. Features coir to aid in water holding properties and reduce shrinkage.

**Ingredients:**

- Canadian Sphagnum peat moss
- Coir
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and our long-lasting wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392989	60 cu ft	2	n/a
2392989	2.8 cu ft	39	n/a

**Metro-Mix 400 Series**



**Metro-Mix 400**

Metro-Mix 400 can be used for a wide range of plant types requiring a well draining mix. Recommended for use in mid to large size pots.

**Ingredients:**

- Vermiculite
- Canadian Sphagnum peat moss
- Bark\*\*
- Coarse Perlite
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392059	60 cu ft	2	n/a
2392059	2.8 cu ft	39-40†	n/a
2392059	Bulk	n/a	n/a



**Metro-Mix 470 Coir**

Can be used for a wide range of plant types requiring a well draining mix. Recommended for use in mid to large size pots. Features the benefits of coir.

**Ingredients:**

- Bark\*\*
- Canadian Sphagnum peat moss
- Coir
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392501	60 cu ft	2	n/a
2392501	2.8 cu ft	33	n/a
2392501	Bulk	n/a	n/a

**Metro-Mix 500 Series**



**Metro-Mix 500**

Excellent for a wide variety of crops grown in mid to large containers. Especially suited for stock plants and container plants. Not suited for all propagation applications.

**Ingredients:**

- Bark\*\*
- Vermiculite
- Canadian Sphagnum peat moss
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392071	60 cu ft	2	n/a
2392071	2.8 cu ft	39-40†	n/a

**Special Blends Available!**

Incorporation of Banrot, Controlled Release Fertilizer, High Lime, Low Lime, and Biocontrol product options available for both Metro-Mix and Redi-earth. Contact your Sun Gro Representative for more information.



**Metro-Mix 510**

Excellent for a wide variety of crops grown in mid to large containers. Especially suited for stock plants and container plants. Formulated with less vermiculite than Metro-Mix 500.

**Ingredients:**

- Bark\*\*
- Canadian Sphagnum peat moss
- Vermiculite
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392069	60 cu ft	2	n/a
2392069	2.8 cu ft	39-40†	064277 046284



**Metro-Mix 560 Coir**

This heavyweight mix is outstanding for bedding plants, potted plants and perennials in mid to large size containers. Features the benefits of coir.

**Ingredients:**

- Bark\*\*
- Coir
- Canadian Sphagnum peat moss
- Coarse Perlite
- Bark ash
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392233	60/40 cu ft	2	n/a
2392233	2.8 cu ft	33-40†	064277 047281

**Metro-Mix 700 Series**



**Metro-Mix 700**

Suitable for stock plants, container plants, potted plants 4" and larger. Choice for outdoor landscape installations and large indoor specimen plants.

**Ingredients:**

- Bark\*\*
- Canadian Sphagnum peat moss
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392138	60/40 cu ft	2	n/a
2392138	2.8 cu ft	33-40†	n/a
2392138	Bulk	n/a	n/a



**Metro-Mix 700 Coir**

Uses are similar to Metro-Mix 700, but with the additional features of coir.

**Ingredients:**

- Bark\*\*
- Coir
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392918	60 cu ft	2	n/a
2392918	2.8 cu ft	33-40†	n/a

\*\*Product will consist of Composted Pine Bark in Central and Eastern regions and Composted Fir Bark in the Western region. Metro-Mix and Redi-earth brands are sold only in the United States. † Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.

## Metro-Mix 700 Series continued



### Metro-Mix 702

Suitable for bedding plants, stock plants, potted plants 4" and larger. Choice for outdoor landscape installations and large indoor specimen plants.

#### Ingredients:

- Fine bark\*\*
- Canadian Sphagnum peat moss
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392096	60/40 cu ft	2	n/a
2392096	2.8 cu ft	33-40†	064277 049285



### Metro-Mix 702 Coir

Uses are similar to Metro-Mix 702, but with the additional features of coir.

#### Ingredients:

- Fine bark\*\*
- Coir
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392942	60 cu ft	2	n/a
2392942	2.8 cu ft	33-40†	n/a

## Metro-Mix AG Lite Series



### AG Lite Mix

Metro-Mix AG Lite Mix is suitable for propagation, seed starting and vegetable plants.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392875	2.8 cu ft	48	n/a



### AG Lite Mix Coir

Metro-Mix AG Lite Mix with Coir is similar to Metro-Mix AG Lite Mix, but features the benefits of coir.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Coir
- Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392024	2.8 cu ft	48	n/a

## Metro-Mix Perennial Series



### Perennial Mix

Outstanding for producing perennial plants, potted plants, and outdoor production in larger containers.

#### Ingredients:

- Bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392241	45 cu ft	2	n/a
2392241	2.8 cu ft	33	n/a
2392241	Bulk	n/a	n/a



### Perennial Mix II

Higher peat content provides more water holding than standard Perennial Mix. Same product uses as standard Metro-Mix Perennial Mix.

#### Ingredients:

- Bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392306	60/45 cu ft	2	n/a
2392306	2.8 cu ft	33	n/a
2392306	Bulk	n/a	n/a



### Perennial Mix IV

A coarser bark version of the Perennial Mix. Same product uses as standard Metro-Mix Perennial Mix.

#### Ingredients:

- Bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392360	60 cu ft	2	n/a
2392360	2.8 cu ft	33	n/a



### Perennial Mix V

Metro-Mix Perennial Mix V is a lower lime version of Perennial Mix IV. Same product uses as standard Metro-Mix Perennial Mix.

#### Ingredients:

- Bark\*\*
- Canadian Sphagnum peat moss
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392399	60 cu ft	2	n/a
2392399	2.8 cu ft	33	n/a

# Redi-earth®



## Redi-earth Plug & Seedling

These fine textured, light formulas are excellent choices for propagation. Whether you are a grower who is sowing seeds in open flats, growing plugs in the smallest cells or rooting cuttings, Redi-earth has a tradition of high performance and superior results.



### Plug & Seedling Mix

Redi-earth Plug & Seedling Mix is designed for a wide variety of propagation applications as well as a growing-on medium for small containers and small propagule types.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392747	60 cu ft	2	n/a
2392747	2.8 cu ft	51-54†	n/a



### Plug & Seedling Mix 2X

Same amount of Canadian Sphagnum peat and vermiculite as our standard Redi-earth, but with an enhanced nutrient and lime charge.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Fine Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392507	2.8 cu ft	51-54†	n/a

## Metro-Mix Bedding Plant Series



### Bedding Plant Mix

Metro-Mix Bedding Plant Mix growing medium is ideal for production of bedding plants and smaller potted plants. Not recommended for small cell packs.

#### Ingredients:

- Bark\*\*
- Canadian Sphagnum peat moss
- Vermiculite
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392239	45 cu ft	2	n/a
2392239	2.8 cu ft	33	n/a
2392239	Bulk	n/a	n/a



### Bedding Plant Mix II

Higher peat content provides more water holding capacity than the standard Bedding Plant Mix. Use for the same crops as Bedding Plant Mix. Not recommended for small cell packs.

#### Ingredients:

- Canadian Sphagnum peat moss
- Bark\*\*
- Coarse Perlite
- Starter Nutrient Charge (with Gypsum) and slow release Nitrogen
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392304	45 cu ft	2	n/a
2392304	2.8 cu ft	33	n/a
2392304	Bulk	n/a	n/a



### Perlite Plug Mix

Redi-earth Perlite Plug Mix uses a selected special fine grade peat moss that produces a highly refined medium for plug grown seedlings.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Fine Vermiculite
- Fine Perlite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392779	60 cu ft	2	n/a
2392779	2.8 cu ft	51-54†	n/a
2392779	Bulk	n/a	n/a



### Redi-earth Coir

Designed for a wide variety of propagation applications as well as a growing-on medium for small containers and small propagule types. This formula has a reduced amount of vermiculite but with the benefits of added coir.

#### Ingredients:

- Fine Canadian Sphagnum peat moss
- Coir
- Fine Vermiculite
- Starter Nutrient Charge (with Gypsum)
- Dolomitic Limestone and a wetting agent

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
2392866	60 cu ft	2	n/a
2392866	2.8 cu ft	39-54†	n/a

\*\*Product will consist of Composted Pine Bark in Central and Eastern regions and Composted Fir Bark in the Western region. Metro-Mix and Redi-earth brands are sold only in the United States.

† Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.

# SUNSHINE®



## Canadian Sphagnum Peat Moss



### Grower Grade Green

Grower Grade Green is a short fiber professional peat moss, ideal when an intensely screened growing media is required. It is most often used in the golf course construction trade, mushroom production, seed germination and plug production.

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
401	110 cu ft	1	n/a
401	55 cu ft	2	064277 053558
401	5.5 cu ft	18	064277 053459
401	3.8 cu ft	30	064277 053442



### Grower Grade Blue

Grower Grade Blue (Special Coarse), is our most fibrous professional peat moss. Visually, you will immediately notice that it is a very chunky peat, with a very high air capacity. It is suitable for orchids, azalea & camellia production, ground beds, bulbs, or when a highly porous mix is required for large containers.

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
404	110 cu ft	1	n/a
404	55 cu ft	2	064277 054555
404	3.8 cu ft	30	064277 054449



### Grower Grade Orange

Grower Grade Orange is less fibrous than our Grower Grade White. It is used throughout the greenhouse trade for vegetable and forestry seedling production, plant production, mushroom production and in mixing your own media.

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
402	110 cu ft	1	n/a
402	55 cu ft	2	064277 052551
402	5.5 cu ft	18	064277 052455
402	3.8 cu ft	30	064277 052445



### Grower Grade White

The most popular of our professional peat moss line, Grower Grade White has a fibrous consistency that improves aeration and increases drainage to promote plant root development. It is used throughout the greenhouse trade for vegetable and flowering plant production, mushroom production (and in mixing your own growing media.) It is widely used from flat production to larger pot and hanging basket production.

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
403	110 cu ft	1	n/a
403	55 cu ft	2	064277 051554
403	5.5 cu ft	18	064277 051455
403	3.8 cu ft	30	064277 051448



**Our select line of Canadian Sphagnum peat moss** is 100% organic in nature. The high water retention and air holding characteristics make Sunshine Grower Grades ideally suited to the cultivation of most crops and other professional uses. Each of our bogs produces Sphagnum Peat with texture and qualities unique to that bog and region. Because of this, Sunshine offers up to four different Grower Grades. From harvesting to baling, each step of the process is continually monitored. Both raw materials and finished product are stringently inspected, ensuring the same consistent high performance with every bale.

# multicote®



## Controlled Release Fertilizer

Now available exclusively in the North American Greenhouse and Nursery Markets from Sun Gro.

Sun Gro's support of Multicote Controlled Release Fertilizer (CRF) comes after years of research comparing the technologies of all the major suppliers to the industry. Grower trials of the newest coating technology developed by Haifa Chemicals Ltd. have shown the product is safe to incorporate in mixes, reliably releases nutrients, and is not prone to excess release when exposed to stress. The Multicote formulations include six for the greenhouse industry and six for usage in outdoor container production. Within the container production formulations, both flowering and non-flowering plant material formulations are available. Each formulation is available in a selection of longevitys that will make the product suitable for use in production throughout North America. Multicote is available both in 50 lb. bags or incorporated into your favorite Sunshine or Metro-Mixes. Other formulations are available.



### Multicote 4 (Month) 14-14-16 + 1.2 Mg + Minors

- Economical NPK Blend
- Usage - all short-term nursery, landscape, and greenhouse crops
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119014	50 lb	40	n/a



### Multicote 16 (Month) Extra 14-7-14 + 1.2 Mg + Minors

- Premium NPK plus minors
- Usage - Greenhouse or color production
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119008	50 lb	40	n/a



### Multicote 12 (Month) Extra 14-7-14 + 1.2 Mg + Minors

- Premium NPK plus minors
- Usage - Greenhouse or color production
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119025	50 lb	40	n/a



### Multicote 8 (Month) Extra 15-7-15 + 1.2 Mg + Minors

- Premium NPK plus minors
- Usage - Greenhouse or color production
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119015	50 lb	40	n/a



### Multicote 6 (Month) Extra 15-7-15 + 1.2 Mg + Minors

- Premium NPK plus minors
- Usage - Greenhouse or color production
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119001	50 lb	40	n/a



### Multicote 4 (Month) Extra 15-7-15 + 1.2 Mg + Minors

- Premium NPK plus minors
- Usage - Greenhouse or color production
- Longevity selection should be based on length of crop cycle
- Refer to the Temperature Effect on Release Rate Table on page 21 to select the appropriate longevity

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119000	50 lb	40	n/a

## Sun Gro's Preservation & Restoration Policy

**Statement**  
Peat is a sustainable resource derived from a precise set of environmental conditions and a unique set of plants found only under these conditions in Peatlands. Sun Gro Horticulture will attempt, throughout the development and harvest stages, to manage the environmental conditions in order to restore this ecosystem to a functioning environmental unit. To achieve this goal, we will cooperate with all recognized conservation bodies.

Sun Gro uses careful harvesting techniques so that restoration can be readily achieved. We leave at least three feet of peat for natural succession.

We accurately identify and harvest only bogs that can be restored to functioning wetlands, new wildlife habitat or farmland.  
Our concern for the environment extends to the reclamation and restoration policy that we follow for all of our peat moss bogs. To read more about these practices please see the restoration section under About Us on our website [www.sungro.com](http://www.sungro.com), or visit the Canadian Sphagnum Peat Moss Association for more details on what the industry is doing as a whole.



Member of the CSPMA  
Canadian Sphagnum Peat Moss Association  
[www.peatmoss.com](http://www.peatmoss.com)



## Why Choose Multicote?

Multicote's controlled release fertilizer formulations are made with the highest quality nutrients. These homogenous granules are encapsulated in a multilayer polymer coating. The polymer coating controls the release rate, thereby allowing a slow, continuous diffusion of dissolved nutrients to the root zone. As the soil warms up, the release rate increases consistent with the plant's growth rate and nutrient consumption. These premium NPK formulations have a reliable release profile, which is unaffected by soil type, soil pH, moisture or microbial activity.



### Multicote 8 (Month) 17-7-14 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Usage - Higher P and K for perennials and other short term flowering container production in northern climates or shorter term container production in southern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119005	50 lb	40	n/a



### Multicote 12 (Month) 17-6-14 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Higher P and K for flowering plant container and tree production including pot-in-pot in southern climates or long term container production in northern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119006	50 lb	40	n/a



### Multicote 16 (Month) 17-5-14 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Higher P and K for flowering plant container and tree production including pot-in-pot in southern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119007	50 lb	40	n/a

## Where You Need Us

To facilitate quick access to Multicote, Sun Gro has developed a network of eleven stocking warehouses to support the product line. Product is located in Florida, Georgia, Michigan, New Jersey, Quebec, Texas, Illinois, California, Oregon, Utah and Abbotsford B.C. Contact your Sun Gro Regional CRF Specialist today:

<b>EASTERN REGION</b>	<b>SOUTHEAST REGION</b>
Maisonnette, NB (888) 896-1222	Orlando, FL (800) 683-7700
Quincy, MI (800) 964-5044	McCormick, SC (800) 634-8316
<b>CENTRAL REGION</b>	
Elma, MB (888) 982-4500	Pine Bluff, AR (800) 255-9057
Terrell, TX (888) 800-6693	

## More Formulations Available

In addition to the formulations listed, Sun Gro also distributes Multicote formulations developed by Haifa. Please check with your regional CRF Specialist to find out which products are currently available. In the Western Region, custom blended Multicote Blends are also available.

## A Perfect Combination with Technigro

A lot of growers use both controlled release fertilizers and water soluble fertilizers when they grow their crops. Your regional CRF specialist or Grower Specialist is the best person for you to work with when you develop your fertilizer program utilizing Multicote and Technigro. They have the experience and knowledge you need to combine the two fertilizer technologies into a successful finished crop.

Multicote is available in a variety of Sunshine and Metro-Mixes. Multicote soil incorporation is a great way to reduce labor costs and improve the quality and marketability of your plants.

Temperature Effect on Release Rate (In Months)				
Longevity	60° F	70° F	80° F	90° F
4 Month	5	4	3	2
6 Month	7-8	6	4	3
8 Month	9-10	8	6-7	5-6
12 Month	14-15	12	8-9	7-8
16 Month	20-22	16	12-14	10-12

If you have any questions specific to Multicote, please contact your local Customer Resource Center and they will give you the contact information for the CRF Specialist in your region.

## Nursery Formulations



### Multicote 8 (Month) 20-6-12 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Usage - All purpose container production in northern climates or shorter term container production in southern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119002	50 lb	40	n/a



### Multicote 12 (Month) 20-5-12 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Usage - Long term container production in northern climates or medium term container production in southern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119003	50 lb	40	n/a



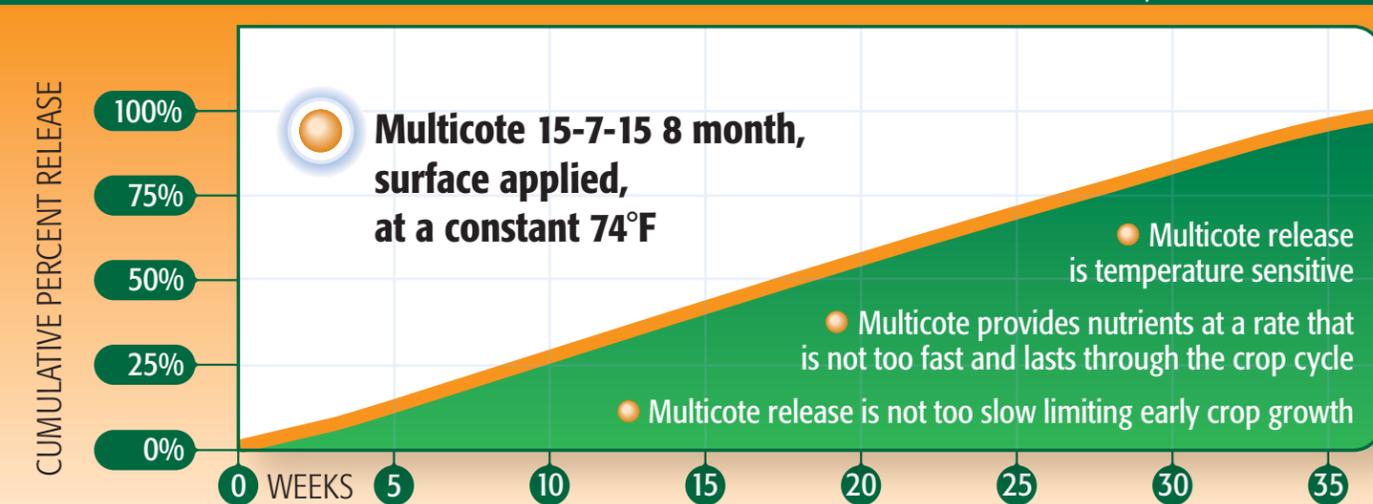
### Multicote 16 (Month) 20-5-10 + Minors

- Premium NPK plus minors, urea and potassium nitrate (cool weather Nitrogen source)
- Usage - All purpose long term container production in southern climates

PRODUCT NO.	SIZE	UNITS/PALLET	UPC
3119004	50 lb	40	n/a

## Multicote Release Curve

Source: University of Florida, Ft Lauderdale



### The Multicote Formulations Below:

**Multicote**  
15-7-15, 14-7-14, 14-14-16

**Multicote**  
20-6-12, 20-5-12, 20-5-10

**Multicote**  
17-7-14, 17-6-14, 17-5-14

### Can Replace the Products Listed Below:

Osmocote® - 13-13-13, 14-14-14, Osmocote Plus - 15-9-12  
Harrell's® - 19-5-12, 19-6-12  
Apex® - 19-5-12, 19-6-12, 14-14-14, 16-5-9  
Nutricote® - 13-13-13, 14-14-14

Osmocote - 20-4-8, 19-5-8, 19-5-9, 24-4-9  
Harrell's - 20-3-6, 20-4-11, 20-5-10  
Apex - 18-8-8, 20-10-10, 20-8-8  
Nutricote - 16-10-10, 20-7-10

Osmocote - 15-10-10, 18-5-9, 18-6-12  
Harrell's - 18-6-12, 17-5-11, 16-5-10, 15-4-9  
Apex - 18-6-12, 17-5-11, 16-8-16, 19-8-12  
Nutricote - 18-6-8



Manufactured By  
Haifa Chemicals Ltd.  
www.haifachem.com

# SUNSHINE TECHNIGRO



Your success is our number one priority.

## Water Soluble Fertilizer

Technigro is a very effective, high-quality fertilizer. Perhaps the most soluble brand of water soluble fertilizer available. Technigro fertilizers dissolve more quickly and easily in all water qualities. Regardless of the watering equipment or injector, Technigro fertilizers stay in solution and never leave trace elements in the bottom of the tank. The result? You spend less time, experience fewer problems and more effectively fertilize your plants. Any one of our ten analyses is extremely easy to work with. All "Plus" formulations are recommended for use in growing media that do not contain adequate levels of micro nutrients.

### FEATURES AND BENEFITS:

- Chelated Trace Elements**  
- Provides trace elements over a wide range of soil conditions
- Various Potential Acidities and Basicities**  
- Formulas to match various alkalinities of irrigation waters and to control media pH
- Enhanced Sulfur Levels**  
- Supplies more of this essential nutrient than comparable competitive formulas
- Completely Water Soluble**  
- Readily dissolves to use with a wide range of injectors
- Free Flowing**  
- Easy to measure and mix fertilizer

### 13-2-13 Plus

Great for plugs and bedding plants using relatively pure irrigation water or where excess alkalinity is being controlled with acid injection. It contains phosphorus, calcium and magnesium all in the same bag; no further need to alternate feed programs. Low phosphorus allows better control of P levels to avoid plant stretch. Use to supplement calcium & magnesium in feed programs using pure water or when growing plants demanding higher Ca & Mg levels, also to correct Ca & Mg deficiencies.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
813	25 lb	80	High nitrate nitrogen (93%)	Ideal for use under cool, low light conditions such as greenhouses in winter time in northern climates
			Enhanced calcium (6%) and magnesium (3%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential basicity	Useful in raising growing mix pH

### 15-0-15 Plus

Used to supplement calcium & magnesium in a feed program using pure water or when growing plants that demand higher Ca & Mg levels, also to correct Ca & Mg deficiencies. Absence of phosphorus allows better control of P levels to avoid plant stretch. Great for plugs and bedding plants using relatively pure irrigation water or where excess alkalinity is being controlled with acid injection.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
807	25 lb	80	High nitrate nitrogen (91%)	Ideal for use under cool, low light conditions such as greenhouses in winter time in northern climates
			Enhanced calcium (9.1%) and magnesium (1%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential basicity	Useful in raising growing mix pH

### 16-17-17 Plus

16-17-17 has a balanced N-P-K ratio and is suitable feed for pot crops such as geraniums and Easter lilies. Elevated magnesium and sulfur levels result in improved plant vigor and deeper green leaves. The level of minor nutrients is sufficient for soilless growing media.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
804	25 lb	80	High nitrate nitrogen (56%)	Available nitrogen over a wide range of temperature and light conditions
			Enhanced magnesium (0.87%) and sulfur (1.9%) levels	Supplies readily available, essential nutrients that are often overlooked
			Moderate potential acidity	Helpful in controlling media pH where irrigation water has moderate alkalinity

### 17-5-24 Plus

Well suited for all crops, especially poinsettias and geraniums. 17-5-24 Plus will not significantly affect growing media pH. The high nitrate formula is an excellent source in supplying readily available magnesium and sulfur resulting in improved plant vigor and deeper green leaves.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
808	25 lb	80	High nitrate nitrogen (68.6%)	Available nitrogen over a wide range of temperature and light conditions
			Enhanced magnesium (2%) and sulfur (2.65%) levels	Supplies readily available, essential nutrients that are often overlooked
			Moderate potential acidity	Helpful in controlling media pH where irrigation water has low to moderate alkalinity

### 20-9-20 Plus

20-9-20 Plus is the best formula for a wide range of crops and conditions. Use in place of 20-10-20. This high nitrate formula is an excellent source to supply readily available sulfur resulting in improved plant vigor and deeper green leaves. Its acidifying effect is useful where irrigation waters have a moderate alkalinity.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
801	25 lb	80	High nitrate nitrogen (57.5%)	Available nitrogen over a wide range of temperature and light conditions
			Enhanced sulfur (1.4%) levels	Supplies readily available, essential nutrients that are often overlooked
			Moderately high potential acidity	Helpful in controlling media pH where irrigation water has moderate alkalinity

### 20-10-20 Plus

Technigro 20-10-20 Plus is the best formula for a wide range of crops and conditions. Its acidifying effect is useful where irrigation waters have a moderate alkalinity. This high nitrate formula is an excellent source to supply readily available sulfur.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
825	25 lb	80	High nitrate nitrogen (60%)	Available nitrogen over a wide range of temperature and light conditions
			Enhanced sulfur (0.5%) levels	Supplies readily available, essential nutrients that are often overlooked
			Moderately high potential acidity	Helpful in controlling media pH where irrigation water has moderate to high alkalinity

### 20-18-18 Plus

This formula is the recommended choice for warm weather feeding of most flowering and foliage plants. Higher phosphorus gives a boost to roots and blooms, while the added sulfur improves plant vigor and leaf color. Its acidifying effect is useful where irrigation waters have a moderate to high alkalinity. Contains sufficient minor nutrients for soilless growing media. Effective as a foliar feed.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
802	25 lb	80	High urea nitrogen (49%)	Effective as a foliar feed. Lower EC
			Enhanced sulfur (1.5%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential acidity	Helpful in controlling media pH where irrigation water has moderate to high alkalinity

### 20-20-20 Plus

This formula is the recommended choice for warm weather feeding of most flowering and foliage plants. It also contains sufficient minor nutrients for soilless growing media. Higher phosphorus gives a boost to roots and blooms.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
826	25 lb	80	High urea nitrogen (55%)	Effective as a foliar feed. Lower EC
			Enhanced sulfur (1%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential acidity	Helpful in controlling media pH where irrigation water has moderate to high alkalinity

### 20-18-20 All Purpose

20-18-20 All Purpose is the recommended choice for warm weather feeding of container-grown ornamentals, cut flower beds, and turf landscapes. A general purpose formula designed for use with media containing mineral soil, a longer term trace element amendment, or where lower trace elements are desired. Higher phosphorus gives a boost to roots and blooms, while the added sulfur improves plant vigor and leaf color.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
803	25 lb	80	High urea nitrogen (47%)	Effective as a foliar feed. Lower EC
			Enhanced sulfur (1%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential acidity	Helpful in controlling media pH where irrigation water has moderate to high alkalinity

### 24-7-15 Plus

Technigro 24-7-15 Plus is the recommended choice for plants grown under warmer conditions. The 3:1:2 ratio is optimum for tropical foliage plant production and it is also excellent for turf and landscapes as well as interiorscapes. This formula has higher sulfur and magnesium levels than others to promote plant vigor and darker green foliage.

PROD. NO.	SIZE	UNITS/PALLET	FEATURES	BENEFITS
806	25 lb	80	High urea nitrogen (47%)	Effective as a foliar feed. Lower EC
			Enhanced magnesium (1%) and sulfur (3.5%) levels	Supplies readily available, essential nutrients that are often overlooked
			High potential acidity	Helpful in controlling media pH where irrigation water has moderate to high alkalinity

## Why use Technigro?

Sun Gro is the leading producer of horticultural growing media in North America, and is proud to be your growing mix supplier. When you purchase Technigro from Sun Gro, you are using water soluble fertilizer that has been developed specifically to provide superior performance when growing in Sunshine or Metro-Mixes. Technigro was developed and is manufactured with the same quality program that's made Sun Gro number one in growing mixes. You are also able to work with one Technical Specialist in answering all your media and fertility questions. Sun Gro is the professional grower's one stop shop for growing media and fertilizers.





## Horticultural Perlite

Horticultural grade perlite's unique characteristics make it an excellent soil amendment and general horticultural medium. Horticultural perlite is produced by heating a unique crushed siliceous volcanic rock in special furnaces. Heat causes the crude rock to expand from 4 to 20 times its original size.

The white perlite granules are the result of the internal water vaporizing and "popping" the mineral, which forms air pockets. Because of the great quantity of air in these pockets, the product is very light and has excellent physical qualities for use in plant propagation.

The physical properties of the product enhance its use in horticulture. It is inorganic, sterile, safe to handle and has no odor. Sunshine Horticultural Perlite is offered in medium and coarse grades.

### Sunshine Aggregates

have a wide range of applications that will always be in demand. Clean and lightweight, these materials can be used from propagation to finished production. Sun Gro's Sunshine brand minerals have long been known for quality and consistency. Sunshine minerals are packaged in 4 cu ft bags or 60 cu ft Minibulk bags.



### Perlite as a Seed Starter

Finer grades of perlite used alone or mixed with peat make an excellent seed starting medium.

Perlite can be used to obtain a better distribution of fine seeds by mixing the seeds and the perlite well and then sprinkling the perlite/seed mixture evenly over the seedbed.

Once seeds are sprouted and have "true" leaves, they may be transplanted to a variety of Sunshine Professional Growing Mixes.

### Perlite as a Rooting Medium

The moisture and nutrient retention, and lightweight characteristics of perlite make the product an excellent rooting medium for house plants, woody ornamentals, vines or evergreen cuttings.

### Perlite as a Soil Amendment

The surface of the granules is highly irregular. This physical configuration gives perlite the soil-amendment capability of retaining moisture and nutrients in its surface cavities, while promoting improved aeration and proper drainage of excess moisture from the growing medium.

Where native soils are heavy and sticky, incorporating perlite into the soil will provide a marked improvement in drainage and aeration. The product is equally beneficial in loose, sandy soils where it will help retain moisture and plant nutrients.

### Perlite as a Golf Green Amendment

The unique physical characteristics of horticultural grade perlite make it an ideal amendment for golf greens.

In addition to its aeration, moisture and nutrient retention characteristics, perlite does not degrade, which keeps soil characteristics constant over a period of years. The net result is a green that requires less water and maintenance, and recovers to playing conditions quicker after rain.

## Horticultural Vermiculite

Horticultural grade vermiculite has become a mainstay component in soilless growing media, as a soil amendment and in a variety of other horticultural applications for both the commercial grower and homeowner.

Vermiculite is the name given to a group of natural occurring hydrated laminar minerals similar to mica. When processed in special furnaces, the mineral exfoliates (or expands) into the accordion like layered particles familiar to many as a part of soilless growing mixes.

The processed product is sterile, permanent, odorless and non-toxic. It has the highly desirable characteristic of being light weight and the capability of moisture retention. It is known for its ability to hold on to and then release nutrients (high cation exchange capacity - CEC.)

### Three Horticultural Grades

Sun Gro produces and packages three grades of horticultural vermiculite: medium, coarse and extra coarse. The vermiculite is a light golden tan color. It has a bulk density of four to six pounds per cubic foot.

The medium and extra coarse grades are used when higher aeration characteristics are required, such as amendment of sticky or heavy soils. The medium grade is widely used for plug mixes, finer graded soilless mediums, germination and rooting, and for domestic horticulture.

### Vermiculite for Seed Germination

Medium grade vermiculite is used very successfully as a germination media. It can be used alone or mixed with peat.

"Damping off" problems are virtually eliminated by using vermiculite when germinating seeds. Vermiculite germinated seedlings characteristically have a denser root growth which allows the plant to "establish itself" sooner.

### Vermiculite for Rooting Cuttings

Coarse and medium vermiculite are excellent for rooting all types of cuttings. The product may be used straight from the bag, with no other additives.

### Vermiculite for Outdoor Transplanting

Coarse vermiculite serves as an excellent soil amendment for heavy or sticky soils. In these conditions, it is popular to use up to one half the total volume (by bulk and not weight) of vermiculite in the soil to provide proper aeration and drainage.



The product will amend light, sandy soils as well when used in the same proportions, providing improved moisture and nutrient retention. Vermiculite amended soil will help outdoor plant root systems develop faster and penetrate the ground further.

Two or three inches of vermiculite placed around the base of shrubs, roses, and garden plants will help prevent drying out and provide insulation for the root system against wide temperature swings.

### Vermiculite for Bulb and Tuber Storage

The moisture control and insulating characteristics of vermiculite make it an ideal medium for bulb and tuber storage. Pour a few inches of vermiculite in a clean container, then add the bulbs or tubers with layers of vermiculite in between the layers of bulbs and tubers.

**Sunshine Vermiculite is not available in California**

### Sunshine Horticultural Perlite

Product No.	Description	Packaging	Size	Units/Pallet
3670042	Sunshine Coarse Perlite	Bulk Bags	60 cu ft	2
3670040	Sunshine Coarse Perlite	Paper	4 cu ft	30-33 <sup>†</sup>
3670041	Sunshine Coarse Perlite	Plastic	4 cu ft	30-33 <sup>†</sup>
3670021	Sunshine Medium Perlite	Plastic	4 cu ft	30-33 <sup>†</sup>

### Sunshine Horticultural Vermiculite

Product No.	Description	Packaging	Size	Units/Pallet
3570212	Sunshine Medium Vermiculite with top sheets	Bulk Bags	60 cu ft	2
3570210	Sunshine Medium Vermiculite	Paper	4 cu ft	30-33 <sup>†</sup>
3570211	Sunshine Medium Vermiculite	Plastic	4 cu ft	30-33 <sup>†</sup>
3570312	Sunshine Coarse Vermiculite with top sheets	Bulk Bags	60 cu ft	2
3570310	Sunshine Coarse Vermiculite	Paper	4 cu ft	30-33 <sup>†</sup>
3570311	Sunshine Coarse Vermiculite	Plastic	4 cu ft	30-33 <sup>†</sup>
3570412	Sunshine Extra Coarse Vermiculite with top sheets	Bulk Bags	60 cu ft	2
3570410	Sunshine Extra Coarse Vermiculite	Paper	4 cu ft	30-33 <sup>†</sup>
3570411	Sunshine Extra Coarse Vermiculite	Plastic	4 cu ft	30-33 <sup>†</sup>

<sup>†</sup> Pallet counts vary by site due to raw material variability. Please contact your local Sun Gro Customer Resource Center for specific pallet counts for your area.



Sun Gro is a proud member of the Perlite Institute and the Vermiculite Association.  
[www.perlite.org](http://www.perlite.org) [www.vermiculite.org](http://www.vermiculite.org)





# Analytical Services

Growers have come to trust our Professional Mixes and Fertilizers to provide the most consistent physical and chemical growing conditions for their plants. Now you can get the most complete analytical report of your tissue, media, water or fertilizer from a company that speaks your language, presented in the easiest to understand test tube format for a quick interpretation of your growing environment.

## WHY ANALYZE?

Water is a basic building block of plants. Everyone should know the chemical composition of their irrigation water so they can provide the optimal fertilizer program as well as avoid any potential problems due to poor water quality.

Regular, periodic media and plant tissue testing is great insurance against crop production disasters. The detection and prevention of nutritional problems in your plants can be a crucial factor in the profitability of a greenhouse or nursery. As nutritional problems advance, the damage often cannot be reversed and plants may become unsalable or of lower quality.

Sun Gro has fully staffed, regional teams of professional and knowledgeable horticulturists who can provide practical solutions to your growing media and fertilizer needs. Our Technical Specialists use the results of these analytical tests to help you monitor the status of your crop and troubleshoot problems to optimize your growing media and fertilizer programs.

## ELEMENTS/TESTS MEASURED

Each Sun Gro Analytical Services analysis includes a comprehensive list of test results and ranges of acceptability as well as suggested remedies to help you manage your crop:

Measurement	Media Analysis	Plant Tissue Analysis	Water Analysis	Fertilizer Analysis
Soluble Salts (EC)	●	○	●	●
pH	●	○	●	●
Alkalinity	○	○	●	●
Nitrate Nitrogen	●	○	●	●
Ammonium Nitrogen	●	○	●	●
Total Nitrogen	○	●	○	○
Phosphorus	●	●	●	●
Potassium	●	●	●	●
Calcium	●	●	●	●
Magnesium	●	●	●	●
Sulfur	Sulfate Sulfur	Total Sulfur	Sulfate Sulfur	Sulfate Sulfur
Boron	●	●	●	●
Copper	●	●	●	●
Iron	●	●	●	●
Manganese	●	●	●	●
Molybdenum	●	●	●	●
Zinc	●	●	●	●
Sodium	●	●	●	●
Chloride	●	○	●	●
Aluminum	●	●	●	●
Fluoride	○	○	●	●

Contact your Sun Gro representative today to obtain a test kit.

## MEDIA

"Snapshot" of nutritional conditions at sampling time. Results can be dependent upon most recent irrigation; e.g. clear water leach, fertilizer application or fungicide drench. May require samples from healthy and unhealthy plants.

### MEDIA SAMPLING INSTRUCTIONS

- For consistency, always try to take media samples within the same period after watering or feeding. Our extraction and testing methods are designed for soilless media or mixes containing less than 30% mineral soil.
- Select 8 to 10 pots representative of the crop being tested. Remove any granular chemicals or fertilizers along with the top inch of the soil profile. Cut a wedge or take a core of media from top to bottom of the pot. Thoroughly blend the samples and fill the plastic sample bag at least halfway to the top (at least 1 to 1.5 cups.) Close securely and label samples.
- Completely fill out the Media Sample Survey Form including any additional pertinent information. Keep the top copy for your records and staple the bar coded copy to the top of the sample bag.
- If the media sample contains incorporated controlled release fertilizer enclose it in a rigid shipping container to avoid crushing pills.
- To diagnose plant problems send in separate samples from affected and non-affected plants.

## PLANT TISSUE

"Picture" of accumulated effects of nutritional program. Best method for identifying nutritional imbalances. For best results include a matching media sample for each tissue sample. May require samples from healthy and unhealthy plants.

### PLANT TISSUE SAMPLING INSTRUCTIONS

- For consistency, always try to take tissue samples during the same time of day.
- For routine analysis, take fully expanded, but recently matured leaves, from several plants of the same age, variety and condition. Place at least 20-30 average sized leaves (at least one ounce fresh weight) for each sample in separate paper bags. Close securely and label samples. Leaves must be clean, as samples covered with media cannot be tested. Make sure tissue is dry before shipping – blot with a paper towel if necessary before packing. Samples placed in plastic bags will rot during shipping and will not be usable.
- Completely fill out the Tissue Sample Survey Form including any additional pertinent information. Keep the top copy for your records and staple the bar coded copy to the top of the sample bag.
- Note anything that might have been applied to the foliage including fertilizer, chemicals or even hard water. Leaves are not washed prior to analysis. Any foliar-applied materials may show up confusing test results.
- To diagnose plant problems send in separate samples from affected and non-affected plants at the same developmental stage.



## WATER/FERTILIZER SOLUTIONS

"Snapshot" of nutritional conditions at sampling time. Water quality can vary significantly between seasons and years. Test all ponds, wells or water sources on site separately since they often can vary from each other. Fertilizer concentrations are often incorrect due to improper preparation or faulty injectors. Check injectors with frequent soluble salt readings and periodic complete nutrient analysis.

### WATER/FERTILIZER SOLUTIONS SAMPLING INSTRUCTIONS

- Allow water to run a minute or two to flush out the line before collecting a sample. Take water samples prior to any fertilizer or acid injection device. First fill a clean plastic bucket with sample water, then immerse the plastic sample bottle in the bucket, avoiding any air bubbles which can compound the test results. Secure cap to avoid leakage. If you do not have a Sun Gro sample bottle, use any clean (free of chemicals, detergents, etc.) plastic container between 8 to 12 ounces.
- If you are trying to correct for high alkalinity (bicarbonates), separate samples should be taken before and after any acid treatment.
- We recommend testing a fertilizer solution at the point where it reaches the plant. First make sure the injector is running properly and the concentrated fertilizer solution is correctly measured and dissolved. Allow hose or drip tube to run a minute or two after injector begins to work to flush out the lines before taking samples. Collect fertilizer solution samples in a similar manner as water samples (above.)
- Label sample bottles with permanent magic marker. Completely fill out the Solution Sample Survey Form including any additional pertinent information; e.g. water source or water treatment. Keep one copy for your records and include the other with the sample bottle.

Contact your Sun Gro representative today to obtain a test kit.

## MEDIA ANALYSIS

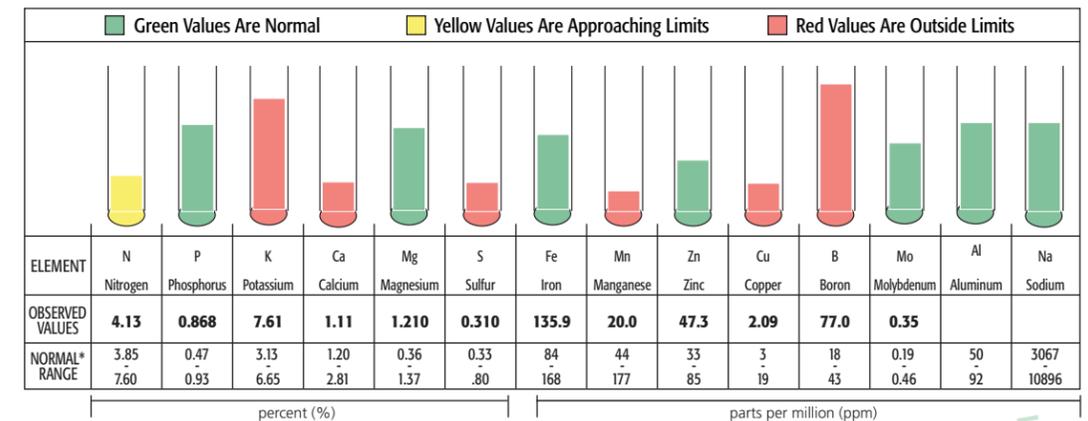
### Unique Color Graphing Method Identifies Problems at a Glance

#### MEDIA ANALYSIS

Date Received: 5/25/2005 16:41:31  
Date Completed: 5/25/2005 16:41:31

Name: Sun Gro Horticulture  
Address: 19287 Hwy 99E  
Hubbard, OR 97032  
Phone: 503-981-4406  
Fax: 503-981-2304  
Laboratory Number: 0980542-2

Sample Id: Wave Petunia  
Irrig & Fert: n/a  
Symptoms: n/a  
Roots: n/a  
Other: n/a



\*Normal Range: values are those observed in healthy plants of the species being analyzed. NE = Not Established

LIMITATION OF LIABILITY: CAUTION: GROWER'S JUDGMENT REQUIRED  
The information provided herein is based on a number of common assumptions which may or may not apply to your particular conditions. This information must not be construed as providing any recommendation for specific action. Sun Gro Horticulture Canada Ltd. makes no warranty of any kind, express or implied, regarding the information provided herein.

EXAMPLE

NOTE: All sample testing will be invoiced to you directly. Contact your Sun Gro rep for complete details.