# TABLE OF CONTENTS

## North American Horticultural Leadership
- From Bog to Bag: 4-5
- Unmatched Horticultural Science: 6-7
- What’s in the Mix?: 8
- GroFacts: 9
- Closest Match App: 10
- RESiLIENCE®: 11

## Product Information
- Peat Moss: 12-13
- Amendments: 13
- Propagation Mixes: 14-15
- Peat-Based Mixes: 16-17
- Perlite-Free Growing Mixes: 18-19
- Natural & Organic Mixes: 20-21
- Hemp Propagation Mixes: 22-23
- Cultivation Mixes: 24-25
- Technigro® Water Soluble Fertilizers: 26-27
- Usage Guide: 28-29

## Ordering Resources
- Customer Care: 29
- How to Order: 30
- North American Locations: 31
Sun Gro® Horticulture is one of the most prominent North American horticultural companies, employing over 900 staff and serving customers worldwide.

Since its humble beginnings in 1929, it has become the leading supplier of soilless growing mixes to North America’s top 100 greenhouse and nursery growers, shipping over 70,000 truckloads of product annually for professional and retail markets.

Sun Gro products are made to exacting standards and conform to high product quality and performance criteria.
From bog to bag to you!

1. **How Bogs Were Formed**

   Peat bogs were formed from melting glaciers.
   Plants grew and died, creating decomposed organic residue.
   Sphagnum peat moss holds nutrients in the soil.

2. **The Source**

   Canada is the source of Sun Gro’s peat moss.
   270 million acres of bog in northern wetlands.
   25% of the world total.

3. **How We Harvest**

   The peatland is harrowed inches deep and vacuumed up.
   There are only 40-50 suitable harvest days per year.

4. **Quality of the Harvest**

   A typical harvest delivers 75% professional grade (closer to the surface) and 25% consumer retail.

5. **The Right Bog**

   Bogs are chosen for harvest by their suitability for restoration. They can be returned to near-original state in as little as 5 years.

6. **Consumer + Professional**

   Since 1929, Sun Gro has created the highest quality, most advanced mixes, and peat products for consumers and professional growers.

7. **Across North America**

   Sun Gro operates 22 production facilities across North America, where peat is processed with and without other ingredients such as bark, compost, perlite and RESILIENCE®.

Committed to environmental sustainability
**Sun Gro Horticulture is the leader in sustainable peat resources.**

We endorse and support the Canadian Sphagnum Peat Moss Association’s definition of sustainable peatland management as the “balanced stewardship of the environmental, social and economic values of Canada’s renewable peatland resource.”

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**8**

**UNMATCHED HORTICULTURAL SCIENCE**

Unmatched horticultural science and R&D with Sun Gro’s technical specialists.

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**9**

**WE FILL MILLIONS OF BAGS**

We handle thousands of tons and fill millions of bags per year.

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**10**

**RESILIENCE®**

Plants grown in RESILIENCE®, our trade name for Silicon (Si) – a beneficial plant substance, may result in:

- Earlier flowering
- Better root growth
- Longer time to wilt
- Increased stem diameter
- And recover quicker from infrequent watering

*Results will vary by plant type and grower practices.

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**11**

**70,000 TRUCKS**

Sun Gro fills over 70,000 trucks with growing media each year and travels coast to coast and everywhere in between, covering 1000s of miles every year to deliver it.

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**12**

**COMMERCIAL GROWER LEADER**

The majority of North America’s commercial growers rely on Sun Gro for high quality peat moss and peat based growing media.

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**13**

**EVERY GARDENING NEED**

Our many brands cover every gardening need – from general gardening to container – specific planting to specialty plants and foods.

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**14**

**FOR EVERY GARDENER**

The enthusiast gardener, the hobbyist and the weekend gardener will all find products to suit their plants, projects and lifestyle.

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**Sustaining Canadian sphagnum peatlands**
UNMATCHED HORTICULTURAL SCIENCE

Sun Gro horticultural scientists provide growers with industry leading technical insights and solutions for higher yields and improved crop time supported with our best-fit greenhouse and nursery mixes.

Sun Gro provides the best analytical services to meet our customers’ needs and to optimize all your growing parameters, including:

✓ Water Analysis
✓ Growing Media Analysis
✓ Plant Tissue Analysis
✓ Fertilizer Analysis

From start to finish, Sun Gro experts are there to help you achieve superior results every time.

For more information, visit:
www.sungro.com/tools-services/grower-technical-services

Or contact your Sun Gro District Manager at:
www.sungro.com/ordering-resources/professional
Our Research Scientists at the Sun Gro Discovery Center will deliver:

✓ Sound science-based technical solutions

✓ High standard product qualities

✓ New innovative materials for improved results

Our Grower Technical Specialists will help you:

- Choose the right products and formulations
- Answer technical questions
- Interpret test results
- Improve your growing operations
We all know the importance of using superior professional growing mixes to get the best results. It’s critical in the plants you sell – and it’s critical that you help your customers choose plants grown in superior mixes so they can grow vigorous gardens. And then become repeat customers.

Sun Gro professional and retail products are made with premium ingredients and meet the highest quality standards.

The major role of a growing mix is to support plants, while holding water, air, and nutrients to promote vigorous growth. The following is a brief overview of each of the quality components Sun Gro may use in our mix formulations.

‘ORGANIC’ PRODUCTS
Organic products are defined by Sun Gro as ingredients that are carbon based, were once alive and are without the addition of synthetic chemicals. Some examples are peat moss, bark, organic fertilizers and organic wetting agents.

‘NATURAL’ PRODUCTS
Other components such as perlite, vermiculite, gypsum, limestone and RESiLIENCE® silicon are defined as ‘natural’ which means they are not carbon based but they are obtained from natural deposits and processed without the use of synthetic chemicals - these materials are mined, ground up and screened, and expanded in the case of vermiculite and perlite.
## GroFacts

| #1 | CANADIAN SPHAGNUM PEAT MOSS | WHAT IS IT? | Sphagnum peat moss for growing media comes from the non-living, fibrous sphagnum moss that has partially decomposed in a bog. It’s light and spongy and crumbles into small clumps. | WHAT DOES IT DO? | Peat moss has a remarkable ability to efficiently hold water and nutrients that may otherwise leach out of the soil. It’s nature’s best all-purpose soil conditioner, which is why Sun Gro adds it to all key professional and retail mixes. |
| #2 | BARK | WHAT IS IT? | Aged or composted bark comes from the forest product industry. The bark is shredded or chipped and then aged or composted to make it a higher value mix component. | WHAT DOES IT DO? | When added to growing mix, aged or composted bark increases air capacity. Its unique particle size and shape allows air to circulate through the soil, improving oxygen availability to plant roots. |
| #3 | PERLITE | WHAT IS IT? | Perlite is derived from crushed volcanic rock, which is expanded (popped) in a furnace. Perlite particles are lightweight, roundish and white. | WHAT DOES IT DO? | Perlite is a natural additive for growing media used to aerate mixes and aid in water retention. |
| #4 | COCONUT COIR | WHAT IS IT? | Coconut coir is a byproduct of the coconut fiber industry. Coir is the dust that is produced during the processing of coconut fiber. | WHAT DOES IT DO? | Coconut coir adds bulk and texture to potting mixes and can hold up to nine times its weight in water. |
| #5 | COMPOST | WHAT IS IT? | Compost is decomposed organic material. | WHAT DOES IT DO? | Compost is added to mixes to provide natural, stabilized organic matter. It also has excellent water-holding ability. |
| #6 | RESiLIENCE® | WHAT IS IT? | RESiLIENCE is Sun Gro’s brand name for growing mixes enriched with silicon. Silicon is an abundant element naturally found in soils. | WHAT DOES IT DO? | Silicon (Si) is a beneficial plant substance for growing medium or soil that can enhance plant quality. RESiLIENCE® plant growth effects may include thicker/stronger stems, more compact growth, increased root mass and improve resistance to wilting. |
| #7 | EARTHWORM CASTINGS | WHAT IS IT? | Earthworm castings (vermicastings) are the organic waste products from earthworms. Earthworms consume organic matter, and their castings are collected for soil enrichment. | WHAT DOES IT DO? | Castings from earthworms are nutrient rich, biologically active, and used to enrich mixes and garden soils for improved plant performance. |
DON’T GET LOST IN THE MIX!

OUR CLOSEST MATCH APP MATCHES YOUR CURRENT MIX TO A SUN GRO MIX

Get Results in 2 Easy Steps!

1. Select the ingredients and percentages you want in your mix

2. Click on “FIND YOUR MATCH”

www.sungro.com/professional-closest-match
RESiLIENCE® - a beneficial plant substance that may make a plant stronger*!

Plants grown with RESiLIENCE®, our trade name for silicon, already in the mix, may result in*:

- Earlier flowering
- Better root growth
- Longer time to wilt
- Increased stem diameter
- And recover quicker from infrequent watering

*Results will vary by plant type and grower practices.

Available in select markets and products. See your Sun Gro sales contact.
Canadian Sphagnum Peat Moss

Our select line of Sunshine Canadian Sphagnum peat moss is 100% organic, OMRI Listed® and Veriflora Certified. The high water holding capacity and excellent aeration makes our peat moss the choice for growers who mix their own or other professional uses.

• **Sunshine Grower Grade Green** – A screened, high quality, professional peat. It has short fibers with few or no sticks which produces a fine texture with good water retention. This peat is excellent for seedling or plug production. Also, it is often used in the golf course construction.

• **Sunshine Grower Grade Orange** – A screened, high quality professional peat with a medium texture, few sticks and a rich brown color. It holds water and nutrients well, making them available for later plant uptake. Excellent for cutting propagation and large plug production; as well as vegetable, flowering plant and mushroom production.

• **Sunshine Grower Grade White** – A high quality, fibrous peat with a coarse texture and light color. It has a perfect balance of drainage, water retention and air space which makes it excellent for vegetable, flowering plant and nursery production in large pots and hanging baskets.
Amendments

Sunshine Perlite & Vermiculite 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 Perlite and Vermiculite have long been known for quality and consistency and are packaged in 4 cu ft bags or 60 cu ft Minibulk bags.

- **Sunshine Perlite** - Used to improve the drainage and aeration of growing media, Sunshine Perlite is a porous, lightweight, expanded volcanic rock. Its high porosity makes it a good aggregate in potting and germination mixes.

- **Sunshine Horticultural Vermiculite** - A naturally occurring mineral, vermiculite is highly absorbent, lightweight and an essential part of many soilless growing mixes. In addition to increasing mix water-holding capacity, its high CEC helps retain nutrients.
Sun Gro propagation mixes are designed for a wide variety of plant types as well as a growing medium for cell packs and small propagation trays. Ready to Gro.

- **Sunshine Mix #3** – Designed for germinating seeds and other propagation applications. It has a specially screened shorter fiber peat. Also available in natural & organic, OMRI Listed®, for organic growing. Both are perlite free.

- **Sunshine Mix #5** – Designed to enhance root development in propagation of ornamental and vegetable transplants. Also available in natural & organic, OMRI Listed®, for organic growing.

- **Sunshine 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.

Available in select markets and products. See your Sun Gro sales contact.
**Sunshine Mix #3**

**Contains:** Fine Canadian Sphagnum Peat Moss, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESILIENCE®

**Available sizes:** SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

**Sunshine Mix #5**

**Contains:** Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Long-lasting Wetting Agent, RESILIENCE®

**Available sizes:** SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

**Sunshine Mix #3 Natural & Organic**

**Contains:** Fine Canadian Sphagnum Peat Moss, Vermiculite, Dolomitic Limestone, Organic Wetting Agent, RESILIENCE®

**Available sizes:** SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

**Sunshine Mix #5 Natural & Organic**

**Contains:** Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Organic Wetting Agent, RESILIENCE®

**Available sizes:** SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

**Sunshine Redi-earth Plug & Seedling Mix**

**Contains:** Fine Canadian Sphagnum Peat Moss, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESILIENCE®

**Available sizes:** 60 cu ft bulk bag (2/pallet), 2.8 cu ft loosefill (54/pallet)

*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. RESILIENCE® available in select regions.*
Peat-Based Mixes

Sunshine products are produced under the industry’s highest quality standards and designed to meet the unique needs of your crops while fitting into the flow of your operations. Ready to Gro.

• **Sunshine Mix #1** – All-purpose lightweight growing mix, our most versatile peat based formulation for expert growers. It is used for a wide variety of crops from cuttings to finished product.

• **Sunshine Mix #4** – 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.

• **Sunshine Mix #8** – Comparable to Sunshine Mix #1, our popular all purpose mix, Sunshine Mix #8 is also a lightweight but has added vermiculite. It is suitable for the production of a wide variety of crops, especially those requiring good drainage and aeration.

• **Sunshine Mix15** – Recommended for the production of a wide variety of flats, potted plants and hanging baskets. It is also suitable for rooting of cuttings.

• **Sunshine Mix PF** – This blended mix contains grower grade sphagnum peat moss and natural peatland aggregate. Ready to Gro. This combination will provide optimum aeration, moisture retention and porosity for plant roots. See pages 18-19.

Available in select markets and products. See your Sun Gro sales contact.
SunTower brings a whole new dimension to compressed growing media. It’s a 110 cu ft compressed bale that combines convenience, economic savings, transports easily and can be stored outdoors.

- Reduces packaging waste
- Saves time in unloading
- 22-24 SunTowers per load
- Equivalent to more than 28 - 3.8 cu ft bales
- Now available everywhere!
- Most popular Sunshine products available

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.†

Available sizes:
- SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
- SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
- SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
- SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
Perlite-Free Growing Mix now with Natural Peatland Aggregate

Sunshine Mix PF is a new product for growers who require a perlite-free mix. This blended mix contains grower grade sphagnum peat moss and natural peatland aggregate. Ready to Gro.

This combination will provide optimum aeration, moisture retention and porosity for plant roots.

- Suitable for the production of bedding plants, foliage plants, and vegetables and herbs.
- For use in 4” pots, to hanging baskets.
- Available in the Eastern US and Eastern Canada with planned expansion for Central regions this fall.
**Sunshine Mix PF**

**Contains:** Canadian Sphagnum Peat Moss, Natural Peatland Aggregate.

**Available sizes:** currently available in 110 CFC, planned size 2.8 CF (loosefill); 3.8 CFC bale.
Sun Gro Natural & Organic professional mixes are OMRI Listed® and developed for a wide variety of crops. Our blends offer everything from high air capacity and fast drainage to appropriate balances of Canadian Sphagnum peat moss and horticultural grade perlite to shorter fiber peat for propagation mixes. Ready to Gro.

- **Sunshine Mix #1 Natural & Organic** – Our most versatile formulation that expert growers choose for the production of a wide variety of crops.

- **Sunshine Mix #3 Natural & Organic** – The organic growers’ choice for seed propagation. It has a shorter fiber peat than our other mixes.

- **Sunshine Mix #4 Natural & Organic** – 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.

- **Sunshine Mix #5 Natural & Organic** – Designed to enhance root development in ornamental and vegetable transplant plugs.

Available in select markets and products. See your Sun Gro sales contact.
Sunshine Mix #1 Natural & Organic
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Organic Starter Nutrient Charge, Gypsum, Dolomitic Limestone, Organic Wetting Agent, RESILIENCE®
Available sizes: 110 cu ft (1/pallet), 60, 75 or 80 cu ft loosefill (2/pallet), 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #3 Natural & Organic
Contains: Fine Canadian Sphagnum Peat Moss, Fine Vermiculite, Dolomitic Limestone, Organic Wetting Agent, RESILIENCE®
Available sizes: 110 cu ft (1/pallet), 60, 75 or 80 cu ft loosefill (2/pallet), 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #4 Natural & Organic
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Organic Wetting Agent, RESILIENCE®
Available sizes: 110 cu ft (1/pallet), 60, 75 or 80 cu ft loosefill (2/pallet), 55 cu ft (2/pallet), 3.8 cu ft loosefill (54/pallet)

Sunshine Mix #5 Natural & Organic
Contains: Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic limestone, Organic Wetting Agent, RESILIENCE®
Available sizes: 110 cu ft (1/pallet), 60, 75 or 80 cu ft loosefill (2/pallet), 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

* 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 propagation and cultivation mixes are designed for enhanced root development in crops such as hemp. They are the only professional cultivation mixes with RESiLIENCE®—our trade name for Silicon (Si) which is a beneficial plant substance already incorporated in the mix. Ready to Gro.

- Sunshine Mix #5 – Designed for seedling production in small cells.
- Sunshine Mix #3 – Designed for germinating seeds and other propagation applications.
- For organic growing, use Sunshine Mix #5 Natural & Organic or Sunshine Mix #3 Natural & Organic - both OMRI Listed®.

Available in select markets and products. See your Sun Gro sales contact.
Sunshine Mix #5

Contains: Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #3

Contains: Fine Canadian Sphagnum Peat Moss, Vermiculite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #5 Natural & Organic

Contains: Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Organic Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #3 Natural & Organic

Contains: Fine Canadian Sphagnum Peat Moss, Vermiculite, Dolomitic Limestone, Organic Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
Cultivation Mixes

Sunshine peat-perlite propagation and cultivation mixes are versatile all-purpose growing mixes used for a wide variety of crops from cuttings to finished product. They are the only professional cultivation mixes with RESiLIENCE®—our trade name for Silicon (Si) which is a beneficial plant substance already incorporated in the mix. Ready to Gro.

- **Sunshine Mix #5** – Designed for seedling production in small cells.
- **Sunshine Mix #4** – Recommended where high air capacity and fast drainage are needed.
- **Sunshine Mix #1** – An all purpose lightweight versatile mix—perfect for cuttings and container production.

All available in natural & organic, OMRI Listed® for organic growing

Available in select markets and products. See your Sun Gro sales contact.
Sunshine Mix #5
Contains: Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #4
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #1
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #5 Natural & Organic
Contains: Fine Canadian Sphagnum Peat Moss, Fine Perlite, Dolomitic Limestone, Organic Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #4 Natural & Organic
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Organic Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)

Sunshine Mix #1 Natural & Organic
Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Organic Wetting Agent and RESILIENCE®

Available sizes: SunTower 110 cu ft (1/pallet), 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (54/pallet)
Technigro®
Water Soluble Fertilizers

Perhaps the most soluble fertilizer on the planet! Technigro is an effective, high-quality water-soluble fertilizer that dissolves quickly regardless of water quality, irrigation equipment or injector. Technigro fertilizers stay in solution and never leave residue in the bottom of the tank. With Technigro, growers spend less time dealing with solubility problems while effectively fertilizing their crops.

• Technigro 20-9-20 Plus – Our best formula for a wide range of crops and conditions. This high nitrate formula is an excellent source to supply readily available sulfur resulting in improved plant vigor and deeper green leaf. Its acidifying effect is useful where irrigation waters have a moderate alkalinity. The Plus level of minor nutrients is ideal for soilless growing mix production.

• Technigro 13-2-13 Plus Contains 6% Calcium & 3% Magnesium – Great for plugs and bedding plants using relatively pure irrigation water or where excess alkalinity is controlled. Contains phosphorous, calcium and magnesium: no need to alternate feed programs. Low phosphorus allows better control of phosphorus levels to avoid plant stretch. Use to supplement calcium & magnesium in feed programs using pure water or when growing plants demanding higher calcium & magnesium levels, also to correct calcium & magnesium deficiencies. The Plus level of minor nutrients is ideal for soilless growing mix production. Do not mix in a concentrated stock tank with sulfate containing fertilizers and acids.
• 6-30-30 Plus – Recommended when you want high phosphorous and potassium, with low nitrogen levels. The 1:5:5 ratio may enhance flowering in some species by helping maintain an appropriate N:P ratio while contributing to enhanced root growth. The additional potassium helps enhance plant vigor. The Plus level of minor nutrients is ideal for soilless growing mix production.

• 15-5-15 Plus Contains 5% Calcium & 2% Magnesium – An all purpose formulation useful in a wide range of crops and conditions. It produces low to moderate basic reaction to help maintain pH not rising too high in growing mix. This high nitrate formula is an excellent source to supply readily available nitrogen. This formula also contains calcium, magnesium and chelated minor elements. Do not mix 15-5-15 Plus in a concentrated stock tank with other phosphate or sulfate containing fertilizers.

All Technigro “Plus” formulations are recommended for use in peat-lite growing media that do not contain appreciable amounts of micronutrients.

### Technigro 20-9-20 Plus

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>High nitrate nitrogen (57.5%)</td>
<td>Available nitrogen over a wide range of temperature and light conditions</td>
</tr>
<tr>
<td>Enhanced sulfur (1%) levels</td>
<td>Supplies readily available, essential nutrient that is often overlooked.</td>
</tr>
<tr>
<td>Chelated micronutrients</td>
<td>Available micronutrients over a wide range of soil conditions</td>
</tr>
<tr>
<td>Moderately high potential acidity</td>
<td>Helpful in controlling growing mix pH where irrigation water has moderate alkalinity</td>
</tr>
<tr>
<td>Highly water soluble</td>
<td>Readily dissolves to use with a wide range of injectors</td>
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<tr>
<td>Free flowing</td>
<td>Easy to measure and mix fertilizer</td>
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### Technigro 13-2-13 Plus

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>High nitrate nitrogen (93%)</td>
<td>Ideal for use under cool, low light conditions such as greenhouse in wintertime in northern climates</td>
</tr>
<tr>
<td>Enhanced calcium (6%) and magnesium (3%) levels.</td>
<td>Supplies readily available, essential nutrients that is often overlooked.</td>
</tr>
<tr>
<td>Enhanced chelated micronutrients</td>
<td>Available micronutrients over a wide range of soil conditions</td>
</tr>
<tr>
<td>High potential basicity</td>
<td>Useful in raising growing mix pH</td>
</tr>
<tr>
<td>Highly water soluble</td>
<td>Readily dissolves to use with a wide range of injectors</td>
</tr>
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<td>Free flowing</td>
<td>Easy to measure and mix fertilizer</td>
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</tbody>
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### Technigro 6-30-30 Plus

<table>
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<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low nitrogen formulation</td>
<td>Reducing ratio of nitrogen to phosphorus helps stimulate bud-set in some species</td>
</tr>
<tr>
<td>High phosphorus and potassium levels</td>
<td>Essential for root development and plant vigor</td>
</tr>
<tr>
<td>Chelated micronutrients</td>
<td>Available micronutrients over a wide range of soil conditions</td>
</tr>
<tr>
<td>Moderate potential acidity</td>
<td>Will work with a wide range of water alkalinities</td>
</tr>
<tr>
<td>Highly water soluble</td>
<td>Readily dissolves to use with a wide range of injectors</td>
</tr>
<tr>
<td>Free flowing</td>
<td>Easy to measure and mix fertilizer</td>
</tr>
</tbody>
</table>

### Technigro 15-5-15 Plus

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>High nitrate nitrogen (80%)</td>
<td>Available nitrogen over a wide range of temperature and light conditions</td>
</tr>
<tr>
<td>Enhanced calcium (5%) and magnesium (2%) levels.</td>
<td>Supplies readily available, essential nutrients that is often overlooked.</td>
</tr>
<tr>
<td>Moderate potential basicity</td>
<td>Helps to keep growing media pH from rising too high</td>
</tr>
<tr>
<td>Chelated micronutrients</td>
<td>Available micronutrients over a wide range of soil conditions</td>
</tr>
<tr>
<td>Highly water soluble</td>
<td>Readily dissolves to use with a wide range of injectors</td>
</tr>
<tr>
<td>Free flowing</td>
<td>Easy to measure and mix fertilizer</td>
</tr>
</tbody>
</table>
# Usage Guide
For professional greenhouse and nursery container use.

## Peat-Based Mixes

<table>
<thead>
<tr>
<th>Blend Name</th>
<th>Loosefill Bag or Compressed Bale:</th>
<th>Cuttings Liner</th>
<th>Propagation Trays</th>
<th>Cell Packs</th>
<th>Pots up to 5”</th>
<th>Pots 6” to 10”</th>
<th>Pots over 10”</th>
<th>Hanging Baskets up to 12”</th>
<th>Hanging Baskets over 12”</th>
<th>Perennial 4”/qt</th>
<th>Perennial 6”/gallon</th>
<th>Nursery Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunshine Mix #1</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #2</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #3</td>
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<td>●</td>
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<td>●</td>
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<td>●</td>
<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #4</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #5</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #6</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td>Sunshine Mix #15</td>
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<td>●</td>
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<td>●</td>
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<td>●</td>
</tr>
</tbody>
</table>

These charts are intended as a guideline to assist in mix choice for given container sizes. However, other mixes may also be successfully used if properly managed. Consult your regional Grower Technical Specialist for additional assistance in choosing a mix to match your production practices.

## Natural & Organic Mixes

<table>
<thead>
<tr>
<th>Blend Name</th>
<th>Loosefill Bag or Compressed Bale:</th>
<th>Seed Germination &amp; Plug Trays</th>
<th>Cuttings Liner</th>
<th>Propagation Trays</th>
<th>Cell Packs</th>
<th>Pots up to 5”</th>
<th>Pots 6” to 10”</th>
<th>Pots over 10”</th>
<th>Hanging Baskets up to 12”</th>
<th>Hanging Baskets over 12”</th>
<th>Perennial 4”/qt</th>
<th>Perennial 6”/gallon</th>
<th>Nursery Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunshine Mix #1 Natural &amp; Organic</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #3 Natural &amp; Organic</td>
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<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #4 Natural &amp; Organic</td>
<td></td>
<td>●</td>
<td>●</td>
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<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #5 Natural &amp; Organic</td>
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</tr>
</tbody>
</table>

## Propagation Mixes

<table>
<thead>
<tr>
<th>Blend Name</th>
<th>Loosefill Bag or Compressed Bale:</th>
<th>Seed Germination &amp; Plug Trays</th>
<th>Cuttings Liner</th>
<th>Propagation Trays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunshine Mix #3</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Mix #5</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sunshine Redi-earth (Plug &amp; Seedling)</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>
### Hemp Mixes

<table>
<thead>
<tr>
<th>Blend Name</th>
<th>Loosefill Bag or Compressed Bale</th>
<th>Seed Germination</th>
<th>Seed Germination &amp; Plug Trays</th>
<th>Cutting Liner Propagation Trays</th>
<th>Cell Packs</th>
<th>Pots Up to 5&quot;</th>
<th>Pots 6&quot; to 10&quot;</th>
<th>Pots over 10&quot;</th>
<th>Hanging Baskets up to 12&quot;</th>
<th>Hanging Baskets over 12&quot;</th>
<th>Perennials 4&quot;/quart</th>
<th>Perennials 6&quot;/gallon</th>
<th>Nursery Containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunshine Mix #3</td>
<td></td>
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<tr>
<td>Sunshine Mix #3 Natural &amp; Organic</td>
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<td>Sunshine Mix #5</td>
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</table>

### Cultivation Mixes

<table>
<thead>
<tr>
<th>Blend Name</th>
<th>Loosefill Bag or Compressed Bale</th>
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<th>Perennials 6&quot;/gallon</th>
<th>Nursery Containers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunshine Mix #4</td>
<td></td>
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<tr>
<td>Sunshine Mix #1</td>
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<tr>
<td>Sunshine Mix #5 Natural &amp; Organic</td>
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<tr>
<td>Sunshine Mix #4 Natural &amp; Organic</td>
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</tr>
<tr>
<td>Sunshine Mix #1 Natural &amp; Organic</td>
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- **Solution Focused Team**
- **Innovative Order Entry & Delivery Management**
- **Superior Customer Care & Support**

**Customer Care Center Mission**
- The Sun Gro Customer Care Center is a high performing motivated team.
- We lead the industry in innovative order entry and delivery management while providing superior Customer Care & Support.

**Customer Care Center Vision**
- The Customer Care Center empower individuals to be leaders and innovators.
- We are a solution focused team that creates value, opportunity and enthusiasm.

www.sungro.com/how-to-order
We deliver in more ways than one.

- Sunshine Mix #1
- Sunshine Mix #3
- Sunshine Mix #4
- Sunshine Mix #5
- Sunshine Mix #1 Natural & Organic
- Sunshine Mix #3 Natural & Organic
- Sunshine Mix #4 Natural & Organic

A. All orders for truck load drop ships to be placed directly with Sun Gro.

B. Less than truck load orders must meet minimum requirements. Contact your District Manager.

C. Warehouse orders will continue to be available via designated Sun Gro Professional Product Distributors.

HOW TO ORDER
www.sungro.com/how-to-order
NORTH AMERICAN LOCATIONS

Production/Distribution Facilities
- Anderson, South Carolina
- Burnt Church, New Brunswick
- Colombier, Quebec
- Elma, Manitoba
- Fillmore, Utah
- Hubbard, Oregon
- Inkerman, New Brunswick
- Kent, New Brunswick
- Orlando, Florida
- Pine Bluff, Arkansas
- Port-Cartier, Quebec
- Portage, New Brunswick
- Quincy, Michigan
- Sacramento, California
- Santa Maria, California
- Seba Beach, Alberta
- Vassar, Manitoba
- Nogales, Arizona

Distribution
- Abbotsford, BC
- Brantford, ON
- Montreal, QB
- Nogales, AZ

Customer Care Centers
- Agawam, Massachusetts
- Elma, Manitoba
- Hubbard, Oregon
- Inkerman, New Brunswick
- Orlando, Florida
- Pine Bluff, Arkansas
- Sacramento, California
- Seba Beach, Alberta
- Vilna, Alberta

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- 1-800-842-3256
- 1-506-336-9775
- 1-800-683-7100
- 1-800-255-9057
- 1-800-222-2551
- 1-888-797-7328
- 1-866-636-2006

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- 1-888-582-4501
- 1-888-896-3005
- 1-506-336-9300
- 1-800-231-5307
- 1-870-536-1756
- 1-916-999-8450
- 1-888-797-5497
- 1-780-636-3000

Research
- Anderson, South Carolina
Sun Gro Core Values

At Sun Gro, our corporate philosophy, vision and values are universal, embraced by all members of our horticultural family. We believe that:

- **SHARING KNOWLEDGE** helps us find ways to improve our business for the benefit of all.
- **INTEGRITY** defines how we do what we say.
- **LONG-TERM THINKING** frames our decision-making to help secure a brighter future.
- **PERFORMANCE** ensures that we will never stop trying to improve ourselves.
- **HUMILITY** creates honest, open and respectful relationships among all.
- **AGILITY**, combined with knowledge, helps us deliver sound decisions quickly.

Sun Gro is a proud member of:

- ANLA
- American Hort
- GA
ing along with many other local state nursery and greenhouse associations across North America.

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