



SUNSHINE[®] FAFARD[®] METRO-MIX[®] TECHNIGRO[®]



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North American Horticultural Leadership

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TRUCKLOADS ANNUALLY

NORTH AMERICAN HORTICULTURAL LEADERSHIP

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!





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.

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.

HOW WE

The peatland is harrowed inches deep and vacuumed <u>up.</u>

There are only 40-50 suitable harvest days per year.



QUALITY OF The harvest

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



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.

CONSUMER + Professional

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

ACROSS NORTH AMERICA Sun Gro operates 22 production facilities across North America, where neat is

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"



Sustaining Canadian sphagnum peatlands

UNMATCHED HORTICULTURAL SCIENCE



sungro

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

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:





WHAT'S IN THE MIX?

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.



SUNSTOLUTIONE HORTICULTURE

grofacts



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.

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? 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.

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.



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.



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.



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.



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.

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? 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.

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

HORTICULTURE

growing of the state of the sta

cultivation or hemp?







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.







Sunshine Peat Moss



Canadian Sphagnum Peat Moss

Our select line of Sunshine Canadian Sphagnum peat moss is 100% organic and OMRI Listed[®]. 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.







sustainable peatland management



Sunshine Grower Grade White

Contains: Canadian Sphagnum Peat Moss



Available sizes: SunTower 110 cu ft (1/pallet), 55 cu ft bale (2/pallet), 5.5 cu ft (18/pallet), 3.8 cu ft (30/pallet)

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.





Propagation Mixes



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.
- 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.
- Fafard Germinating Mix Designed for propagation and seedling production in smaller cell trays, Fafard Germinating Mix is a fine, porous blend comprised of screened peat moss to enable seed germination while ensuring young plants have a good start.

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 (51-54/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 (51-54/pallet)

Fafard Germinating Mix

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



Available sizes: 120 cu ft (1/pallet), 64 cu ft bulk bag (2/pallet), 55 cu ft bulk bag (2/pallet), 3.8 cu ft bag (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 (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (51-54/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 (2/pallet), Big Shot 55 cu ft (2/pallet), 3.8 cu ft (30/pallet), 2.8 cu ft loosefill (51-54/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 (51-54/pallet)





Peat-Based Mixes



Sunshine and Fafard 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 / Fafard -1P 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 / Fafard-2 Comparable to Sunshine Mix #1 / Fafard-1P, our popular all purpose mix, Sunshine Mix #8 / Fafard-2 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 / Fafard-15 Recommended for the production of a wide variety of flats, potted plants and hanging baskets. It is also suitable for rooting of cuttings.
- Fafard 4P Mix An all-purpose, middleweight mix, Fafard 4P Mix is similar to Fafard 4 Mix but has added perlite for additional porosity. It is recommended for the production of a wide variety of crops in various container sizes.
- 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.

Sunshine Mix #1 / Fafard-1P

 $\begin{array}{l} \mbox{Contains: Canadian Sphagnum Peat Moss, Perlite,}\\ \mbox{Dolomitic Limestone, Long-lasting Wetting Agent,}\\ \mbox{RESiLIENCE}^{\odot} \end{array}$



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 (51-54/pallet)

Sunshine Mix #4

Contains: Canadian Sphagnum Peat Moss, Coarse 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 (51-54/pallet)

Sunshine Mix #15 / Fafard-15

Contains: Canadian Sphagnum Peat Moss, 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 (51-54/pallet)

Fafard 4P Mix

Contains Canadian Sphagnum Peat Moss, Bark, Perlite, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft bulk bag (2/pallet), 2.8 cu ft bags (42/pallet)

Sunshine Mix #8 / Fafard-2

Contains: Canadian Sphagnum Peat Moss, Perlite, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: SunTower 110 cu ft (1/pallet), loosefill totes (2/pallet), 55 cu ft Quantum XL(2/pallet), 3.8 cu ft (30/ pallet), 2.8 cu ft loosefill (51-54/pallet)

SunTower® & Big Shot®

SunTower

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
- Improves your efficiency
- 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.*[†]



RESILENCE® available in select regions. *Additional Sunshine Natural & Organic formulations available on www.sungro.com. † Available from the Western Region only. +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.

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.





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



Natural & Organic Mixes



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 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 (51-54+/pallet)



Available sizes: 110 cu ft (1/pallet), 60, 75 or 80 cu ft loosefill (2/pallet), 55 cu ft (2/pallet), 2.8 cu ft loosefill (51-54+/pallet)





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 (51-54-/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.



Bark-Based Mixes



Our Metro-Mix and Fafard bark-based mixes offer a broad range of applications ranging from small cell-packs to large containers. All formulas are pH adjusted and contain our long-lasting wetting agent. Ready to Gro.

- 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.
- Metro-Mix 360 SUN-COIR[™] Premium choice for a wide range of plants grown in smaller container types or cell packs. Also great for landscape / plantscape applications where better water holding characteristics are desired.
- Fafard-4 / Metro-Mix 510 A versatile middleweight blend that offers a higher degree of water retention. The growing mix of choice for a variety of greenhouse crops such as poinsettias, bedding plants, hanging baskets, geraniums and pot mums as well as outdoor crops. It is the product of choice for many rooftop container gardens.
- Metro-Mix 820 A medium textured, well-drained growing mix for hanging baskets and potted crops.
- Fafard-3B / Metro-Mix 830 This versatile formula, is our most popular bark-based mix for expert growers. It is a fit for a wide range of crops grown in many container sizes from cell flats to larger pots and hanging baskets.

- Metro-Mix 840 A medium textured, well-drained, enhanced air capacity general purpose mix. It is well suited for growing crops in containers ranging from cell packs to hanging baskets.
- Fafard-52 / Metro-Mix 852 Formulated with a higher bark percentage for outdoor containers and large interior pots making it an excellent choice in perennial, rose and nursery production. It is an excellent mix for long-term crops. Suitable for rooftop gardens.
- Metro-Mix 865 A heavyweight mix for perennial growers. Contains a high bark content for superior drainage and excellent container stability. Suitable for rooftop gardens.

Metro-Mix 360

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



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (45 pallet), Bulk

Metro-Mix 360 SUN-COIR[™]

Contains: Canadian Sphagnum Peat Moss, SUN-COIR, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (40 pallet), Bulk

Fafard-4 / Metro-Mix 510

Contains: Canadian Sphagnum Peat Moss, Bark, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (48 pallet)

Metro-Mix 820

Contains: Canadian Sphagnum Peat Moss, Bark**, Coarse Perlite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (48 pallet), Bulk





Bark-Based Mixes



Fafard-3B / Metro-Mix 830

Contains: Canadian Sphagnum Peat Moss, Bark, Perlite, Dolomitic Limestone, Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (48 pallet)

Fafard-52 / Metro-Mix 852

Contains: Canadian Sphagnum Peat Moss, Perlite, Bark, Vermiculite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft bulk bag (2/pallet), 2.8 cu ft bags (42/pallet)

Metro-Mix 840

Contains: Canadian Sphagnum Peat Moss, Bark**, Coarse Perlite, Dolomitic Limestone, Long-lasting Wetting Agent, RESiLIENCE®



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (45 pallet), Bulk

Metro-Mix 865

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



Available sizes: 60 cu ft loosefill (2/pallet), 2.8 cu ft loosefill (40 pallet), Bulk

**Product will consist of Composted Pine Bark in the Central, East and Southeast and Aged Fir Bark in the West. Additional Metro-Mix formulations are available on www.sungro.com RESILIENCE® available in select regions.

Hemp Bark-Based Mixes

Metro-Mix bark-based 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.

- Metro-Mix 830 Our most popular bark based mix is great for a wide range of crops grown in many container sizes from cell packs to larger pots.
- Metro-Mix 830 Natural & Organic Ideal for organic growing; OMRI Listed®.
- Metro-Mix 852 Formulated for outdoor containers, large interior pots and long-term crops.



Metro-Mix 830 / Fafard 3B Mix

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





Available sizes: 60 cu ft bulk bag (2/pallet) 2.8 cu ft bag (48/pallet)

Metro-Mix 830 / Fafard 3B Mix Natural & Organic

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



Available sizes: 60 cu ft bulk bag (2/pallet) 2.8 cu ft bag (48/pallet)

Metro-Mix 852 / Fafard 52 Mix

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



Available sizes: 60 cu ft bulk bag (2/pallet), 2.8 cu ft bags (42/pallet)



Hemp Propagation Mixes



Sunshine and Fafard 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.
- Fafard Germinating Mix Designed for propagation and seedling production in smaller cell trays, Fafard Germination Mix is a fine, porous blend comprised of screened peat moss to enable seed germination while ensuring young plants have a good start.
- For organic growing, use Sunshine Mix #5 Natural & Organic or Sunshine Mix #3 Natural & Organic - both OMRI Listed[®].

Sunshine Mix #5

 $\begin{array}{l} \text{Contains: Fine Canadian Sphagnum Peat Moss,} \\ \text{Fine Perlite, Dolomitic Limestone, Long-Lasting} \\ \text{Wetting Agent and RESiLIENCE}^{\odot} \end{array}$



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 (51-54/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 (51-54/pallet)

Fafard Germinating Mix

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



Available sizes: 80 cu ft loosefill totes (2/pallet), 75 cu ft loosefill totes (2/pallet), 60 cu ft loosefill (2/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 (51-54/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 (51-54/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



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 (51-54/pallet)

Sunshine Mix #4

Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE $^{\odot}$



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 (51-54/pallet)

Sunshine Mix #1

Contains: Canadian Sphagnum Peat Moss, Coarse Perlite, Dolomitic Limestone, Long-Lasting Wetting Agent and RESILIENCE $^{\odot}$



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 (51-54/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 (51-54/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 (51-54/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 (51-54/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 leave. 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

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

Technigro 13-2-13 Plus

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

Technigro 6-30-30 Plus

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

Technigro 15-5-15 Plus

Features	Benefits
High nitrate nitrogen (80%)	Available nitrogen over a wide range of temperature and light conditions
Enhanced calcium (5%) and magnesium (2%) levels.	Supplies readily available, essential nutrients that is often overlooked.
Moderate potential basicity	Helps to keep growing media pH from rising too high
Chelated micronutrients	Available micronutrients over a wide range of soil conditions
Highly water soluble	Readily dissolves to use with a wide range of injectors
Free flowing	Easy to measure and mix fertilizer

Usage Guide For professional greenhouse and nursery container use.

Peat-Based Mixes

Blend Name Loosefill Bag or Compressed Bale:	Cuttings Liner Propagation Trays	Cell Packs	Pots up to 5"	Pots 6" to 10"	Pots over 10"	Hanging Baskets up to 12"	Hanging Baskets over 12"	Perennial 4"/qt	Perennial 6"/gallon	Nursery Container
Sunshine Mix #1 / Fafard-1P		•	•	٠	•		•			
Sunshine Mix #2		•	•	•	•	•	•			
Sunshine Mix #4			•	•	•	•	•			
Sunshine Mix #15 / Fafard-15		•	•	•	•	•	٠			
Fafard 4P Mix				•	•		•		•	

Bark-Based Mixes

Blend Name Loosefill Bag	Cell Packs	Pots up to 5″	Pots 6" to 10"	Pots over 10"	Hanging Baskets up to 12"	Hanging Baskets over 12"	Perennials 4"/quart	Perennials 6"/gallon	Nursery Containers
Metro-Mix 360	•	•	•		•			•	
Metro-Mix 360 SUN-COIR		•	٠	•	•	•		٠	
Fafard-4 / Metro-Mix 510			٠	•	•	•	•	•	
Metro-Mix 820				•		٠			
Fafard-3B / Metro-Mix 830	۲	•	٠	٠	٠	٠			
Metro-Mix 840		•	•	•	•	•	•		٠
Fafard-52 / Metro-Mix 852			٠	•	•	٠	•	٠	

Natural & Organic Mixes

Blend Name Loosefill Bag or Compressed Bale:	Seed Germination & Plug Trays	Cuttings Liner Propagation Trays	Cell Packs	Pots up to 5"	Pots 6" to 10"	Pots over 10"	Hanging Baskets up to 12"	Hanging Baskets over 12"
Sunshine Mix #1 Natural & Organic		•	•	•	•	•	•	
Sunshine Mix #3 Natural & Organic	•							
Sunshine Mix #4 Natural & Organic		•				•		
Sunshine Mix #5 Natural & Organic	•	٠						

Propagation Mixes

Blend Name Loosefill Bag or Compressed Bale:	Seed Germination & Plug Trays	Cuttings Liner Propagation Trays	Blend Name Loosefill Bag or Compressed Bale:	Seed Germination & Plug Trays	Cuttings Liner Propagation Trays
Sunshine Mix #3	٠		Sunshine Mix #3 Natural & Organic	•	
Sunshine Mix #5	•	•	Sunshine Mix #5 Natural & Organic	•	•
Sunshine Redi-earth (Plug & Seedling)		•	Fafard Germinating Mix		•

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.

Hemp Mixes

Blend Name Loosefill Bag or Compressed Bale	Seed Germination	Seed Germination & Plug Trays	Cutting Liner Propagation Trays	Cell Packs	Pots Up to 5″	Pots 6" to 10"	Pots over 10"	Hanging Baskets up to 12"	Hanging Baskets over 12"	Perennials 4"/quart		
Sunshine Mix #3		•										
Sunshine Mix #3 Natural & Organic		٠										
Sunshine Mix #5		•	٠								• • • • • • • • • • • •	
Sunshine Mix #5 Natural & Organic		•									• • • • • • • • • • • •	
Fafard Germinating Mix	••••••	•	٠								• • • • • • • • • • • •	
Metro-Mix 830/Fafard 3B Mix				•								
Metro-Mix 830/Fafard 3B Mix Natural & Organic				•	•	•	•	•	•			
Metro-Mix 852/Fafard 52 Mix								۲				

Cultivation Mixes

Blend Name Loosefill Bag or Compressed Bale	Seed Germination	Seed Germination & Plug Trays	Cutting Liner Propagation Trays	Cell Packs	Pots Up to 5″	Pots 6" to 10"	Pots over 10"	Hanging Baskets up to 12"	Hanging Baskets over 12"	Perennials 4"/quart	Nursery Containers
Sunshine Mix #4								•			
Sunshine Mix #1			•	•	•		٠	۲			
Sunshine Mix #5 Natural & Organic		٠	•								
Sunshine Mix #4 Natural & Organic			•		٠			۲			
Sunshine Mix #1 Natural & Organic					•						

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.



- 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 Service & Support.

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- We are a solution focused team that creates value, opportunity and enthusiasm.

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RESILIENCE

sungro

Professional Growing Mix

Our Expertise is Growing

2.8 cu.ft. / 79

Fafard-52 / Metro-Mix 852

Metro-Mix 865

sungro

Professional Growing Mix

Our Expertise is Growing

LARGE BALE

3.8 cu.ft. / 107

000

Sunshine Mix #1 / Fafard-1P

Sunshine Mix #4

Sunshine #4 N & O

Sunshine Mix #15 / Fafard-15

Sunshine Mix PF

Sunshine Peat Moss

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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:

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SHARING KNOWLEDGE helps us find ways to improve our business for the benefit of all.



INTEGRITY defines how we do what we say.



ONG-TERM THINKING frames our decision-making o help secure a brighter future.



PERFORMANCE ensures that we will never stop trying to improve ourselves.



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along with many other local state nursery and greenhouse associations across North America

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