



PRODUCTS & SERVICES

# Berger's Offer

[berger.ca](http://berger.ca)



## BEYOND PRODUCTS



# Quality, consistency, and technical expertise are our trademarks

## The Berger Team

Berger is a worldwide leader in the production of high-quality growing media. Since 1963, Berger's team of specialists has used a client-focused approach that meets the specific needs of its customers' crops. For professional growers, this means consistent growth, predictable results, reliable supply, and moreover, trustworthy technical support. From start to finish, how you grow matters as much as what you grow.

Berger's team includes over 800 employees in various locations in the Americas, working in many fields of expertise: harvesting, processing, research and development, greenhouse and laboratory, sales and customer services, administration, human resources, IT and programming, logistics and transportation, equipment design and much more. Every individual contributes to the strength of the team, carrying out their daily work in a spirit of family cooperation. It is this dedication and friendly working environment that enables Berger to continue to grow and flourish.

## Berger Production & Distribution

Berger's headquarters in Saint-Modeste, near Rivière-du-Loup, Québec, is a true source of pride for the region. In addition, with our many harvesting sites, five mixing factories and four peat processing factories strategically located throughout the Americas, Berger can reliably meet the needs of our customers, consistently offering high-quality products, season after season. Our harvesting sites across Canada and United States help ensure the availability of the resource well into the future.

Berger products are distributed in over 20 countries, including the United States, Canada, Mexico, Japan, South Korea and several Central and South American countries. Noted for their quality and consistency, our products are backed by our vast expertise.



# Customer Satisfaction

Berger's most important mission is to build a rock-solid partnership between our business and yours. We believe in creating deep-rooted relationships. The kind that go beyond providing products to providing ongoing expertise, innovative thinking and solutions so that our customers can continue to grow successfully into the future, regardless of the context.

Our team is dedicated to helping you improve your growing methods – from start to finish. We'll be by your side every step of the way to provide details about our products and ensure that you get the right growing mixes when you need them. We are committed to your complete satisfaction, so we make sure you have access to all the expertise that comes with every bag of growing media.

## A Wide Range of Analysis & Technical Services

Recognized in the industry for its growing expertise, Berger has a team of specialists dedicated to finding proven and innovative solutions for your production needs. Our expert scientists accompany professional growers like you throughout the growing cycle, helping to boost growth while optimizing and streamlining operations. Growing media is an important component in many types of CEA productions and therefore directly involved in the food chain. So, to ensure our CEA customers can use Berger products without any concerns, we have established our own food safety protocols. From agronomic expertise to production optimization including collaborative innovation, Berger is always with you – every step of the way.

Our goal is to better understand your production challenges so we can recommend the best solutions.

### AGRONOMIC EXPERTISE

- "Food Safety Tested" (FST) products analyzed by an independent laboratory
- Prevention & Corrective measures including Maintenance
- Personalized advice on the best growing practices for each customer
- Supportive growing trials to reduce production risks
- Routine soil, water, nutrient analyses and complete characterization to prevent crop issues
- Interpretation service of results/data analysis to identify solutions to crop issues

### COLLABORATIVE INNOVATION

- Applied R&D focused on customers' needs
- Comprehensive trials in Berger greenhouses or at the customers' sites to develop or improve products and optimize production efficiency
- R&D projects in collaboration with research institutions

### PRODUCTION OPTIMIZATION

- Analyses & Recommendations
- Personalized remote or on-site coaching by Grower Advisors including:
  - Support for organic production & certification
  - Teaching best practices to all workers
  - Advice to improve crop yields & reduce costs through the selection of the best production system, potting practices, greenhouse sanitation, greenhouse maintenance, equipment validation, energy savings, inventory management, etc.







# A Certified Excellence

Berger offers products of undeniable quality. This excellence permeates in every aspect of our activities and is confirmed by several certifications that are recognized worldwide. Berger has held ISO 9001 certification since 1996. This certification is a guarantee that the company's operations and processes meet rigorous standards for quality assurance and risk management.

Since 2010, Berger has also been certified by Veriflora - "SCS' Responsibly Managed Peatlands" program, which is a leading international certification that provides third-party assurance for responsible peat moss production. The standard distinguishes certified companies whose operations are minimizing negative environmental impacts and improving the welfare of workers and nearby communities.

## ORGANIC MATERIALS REVIEW INSTITUTE CERTIFICATION

All OM product components are made with 100% components listed by OMRI. The Organic Materials Review Institute (OMRI) is a certification program for materials approved for use on organic farms in the United States. OMRI lists inputs such as fertilizers, pest controls, and livestock care products that are compliant with organic standards. Allowed products are "OMRI Listed®" and may display the OMRI seal. These "input" products are then used to produce organic food and fiber products that are certified by an accredited certifying body.



ISO 9001



## GROWING MEDIA







## Berger Mixes

Whether for plant propagation, greenhouse or nursery production of annuals, perennial, foliage, vegetables, soft fruits, leafy-greens and more, one of the substrates from our extensive product line will suit your particular needs.



### SEED GERMINATION & PROPAGATION

This fine grade substrate line ensures a perfect contact with the seed or stem and maintains optimal moisture for uniform germination and rapid rooting-out. From plug trays to paper pots, from ornamentals to vegetables, this series is distinctively formulated to form a consistent root ball for efficient transplantation.



### NATURAL FIBERS

Aggregate free, this series is made exclusively from natural fibers. Thanks to the careful handling of our peat moss and the use of innovative alternative materials to create a stabilized root environment, these mixes offer consistent physical characteristics for predictable results.



### NATURAL FIBERS & AGGREGATE

The BM5 product line utilizes both natural fibers and aggregates to create a wide variety of soil structures that are well adapted to different environmental conditions or precisely designed for specific applications.



### ALL-PURPOSE

This classic peat-perlite series of all-purpose mixes offers an assortment of drainage options that are adapted for a wide variety of growing environments, making it one of our most popular products.



### BARK

Produced with mature pine bark, the BM7 series is formulated to maintain optimal drainage for long-term containerized production of perennials, shrubs and trees. These mixes provide an excellent anchor for indoor and outdoor productions.



### WATER SAVING

With the addition of our high quality composted peat moss, these products provide beneficial microorganisms to enhance plant growth. This product line increases the available water reserve and its distribution within the container, improving shelf life in box stores and retail centers.



## Organic Mixes

Composed entirely of materials authorized for use in organic agriculture. Whether for edibles or ornamentals, there is an OM product tailored for every growth stage of your organic crops.



### SEED GERMINATION & PROPAGATION

This fine grade substrate line authorized for organic production ensures perfect contact with the seed or stem and optimizes moisture for uniform germination and rapid rooting-out. From plug trays to paper pots, ornamentals to vegetables, this series is distinctively formulated to form a consistent root ball for efficient transplantation.



### ALL-PURPOSE

Authorized for organic production, this classic peat-perlite series of all-purpose mixes offers an assortment of drainage options that are adapted for a wide variety of organic growing environments, making it one of our most popular products.



## Western USA Mixes

Featuring the same quality and a new set of substrates containing Berger's renowned NF Wood, BM<sup>w</sup> mixes are designed specifically for the western US market and are manufactured in California with local components.

### ALL-PURPOSE

Berger's all-purpose growing mixes are specifically designed for greenhouse production of potted vegetables, ornamentals, annuals, perennials and many more. It offers a wide variety of versatile substrates with different air-water ratios that are adapted to each greenhouse environment.

### OUTDOOR NURSERY MIXES

Berger nursery mixes are predominantly manufactured with different grades of redwood to cater to the specific challenges of the outdoor nursery industry. Blended with other high-quality components, these redwood mixes are ideal for growing trees, shrubs, perennials and many more.

### PROPAGATION MIXES

This fine-grade substrate line is made from carefully selected components that are blended to suit your specific young plant and cutting production needs. It allows uniform filling of flats and trays for propagation of vegetables, annuals, and many other crops.

### BERRY MIX

Specifically designed to transplant bare-root or tray plant in greenhouse or high-tunnel productions.





# Optimizing Yield and Potting Practices

Berger's products are manufactured to benefit growers, but they need to be handled properly to maximize results. By optimizing their potting practices, growers can get the most out of their Berger products.

## **STORAGE & GROWING MEDIA HANDLING**

Bags or bales should be stored in a cool area out of direct sunlight as much as possible. If the material is stored for long periods (> 4 months), the wettability of the growing media should be verified before use. When handling, the goal is to prevent damage to the growing media as much as possible. Fluffing and potting equipment should be selected and adjusted with care.

## **AVOID COMPACTION**

Growers should avoid compacting their growing media at all costs. Compaction reduces air space and increases water retention. Each action can have an affect the physical structure of the growing media in the containers.

## **Adjusting the Water Content**

Berger sells growing media, not water. We keep the water content of our mixes as low as possible to maximize the number of skids per truckload. Berger has the tightest water content range in the industry. Therefore we know you need to add approximately ½ gallon of water per cubic foot of growing media to reach the optimal moisture content for potting. This will help maximize the useable volume of growing media as peat fibers swell when hydrated. It will also reduce the presence of dust and help lock-in the ideal physical structure in containers.

An additional 5%  
in water content  
represents roughly  
2,000 lbs.

On a full truckload of compressed mix, this 5% represents approximately the weight of a full skid which would need to be removed.

# All-Purpose Mixes



## BM4 Natural Fiber - Wood HP

Incubated pH = 5.4 - 6.2

Looking for a perlite-free alternative? This blend of Canadian sphagnum peat moss and NF Wood is designed for increased porosity and easy access to available water. Make the switch without compromising on quality or radical changes in feed and irrigation programs.

### FEATURES AND BENEFITS

The best proven balance of peat and NF Wood without affecting your fertility program. Increased efficiency. Very rapid air diffusion for fast and healthy root growth.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade wood fiber, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



## BM5 Natural Fiber & Aggregate - Wood

Incubated pH = 5.4 - 6.2

The combination of Canadian sphagnum peat moss, NF Wood and perlite offers a good balance between drainage and water retention. Includes all the benefits of the wood fiber with the security of perlite.

### FEATURES AND BENEFITS

Innovative and unique substrate structure. Designed for rapid root development. Uniform and stable for even growth.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade wood fiber, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



## BM6 All-Purpose

Incubated pH = 5.4 - 6.2

The classic peat-and-perlite growing medium is made exclusively with superior ingredients and stringent quality-control specifications. Benefit from easy inventory management with this versatile and adaptable mix.

### FEATURES AND BENEFITS

Most versatile Berger product. Easy to manage under varied conditions and container sizes. Recognized as a best-value product for many crops. Consistent and uniform for predictable results.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.





## BM7 Bark

Incubated pH = 5.5 - 6.5

All-purpose bark mix providing additional weight and a balanced air-to-water ratio. Designed for both greenhouse and outdoor productions in southern and mid-western USA.

### FEATURES AND BENEFITS

Longer dry-down cycle for warmer climates. Heavier weight for superior stability in larger containers. Provides more weight to anchor trees, shrubs and perennials. Stable structure for long-term crops.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, bark, dolomitic and calcitic limestone, non-ionic wetting agent and adapted fertilizer starter charge.



## OM6 All-Purpose

Incubated pH = 5.5 - 6.5

The classic peat-and-perlite growing medium is authorized for organic production and made exclusively with superior ingredients. Benefit from easy inventory management with this versatile and adaptable mix.

### FEATURES AND BENEFITS

Recognized as a best-value products for many crops. Consistent and uniform for predictable result. Easy to manage under varied conditions and container sizes.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



# Seed Germination & Propagation Mixes



## BM2 Automation – Wood HP

Incubated pH = 5.2 - 6.0

BM2 Automation is an innovative propagation mix specially designed for automated cultivation systems. This premium blend of clean Canadian sphagnum peat moss and engineered wood fiber ensures smooth, consistent flow through automated equipment. BM2 Automation helps you streamline operations, maximize efficiency, boost productivity and grow with confidence.

### FEATURES AND BENEFITS

Maximizes operational efficiency with smooth, uninterrupted flow through automated cultivation systems. Supports stronger root development for healthier, more vigorous plants. Delivers consistent, uniform performance for predictable, repeatable results. Reduces handling and labor with higher yield per bag.

### INGREDIENTS

Premium selected fine grade peat moss, new engineered wood fiber grade, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.

NEW  
GROWING  
MIX



## BM2 Seed Germination – Wood

Incubated pH = 5.2 - 6.0

This unique combination of Canadian sphagnum peat moss and fine grade NF Wood maintains uniform moisture levels around the seed or cutting to stimulate root initiation.

### FEATURES AND BENEFITS

Faster production cycle. Plugs hold together for better transplant success. Easy transition from traditional seed germination products. Uniform structure for even growth.

### INGREDIENTS

Premium selected fine grade peat moss, fine grade wood fiber, dolomitic and calcitic limestone, non-ionic wetting agent and standard seedling fertilizer starter charge.



## BM2 Propagation – Wood HP

Incubated pH = 5.2 - 6.0

This mix provides good drainage and wickability to produce sturdier, more compact shoots. The highly porous structure promotes fast root development, shortening the overall production cycle.

### FEATURES AND BENEFITS

Faster production cycle. High porosity for fast and healthy root development. Reduced plant stretching. Less handling with up to 13% additional volume per compressed bale.

### INGREDIENTS

Premium selected fine grade peat moss, fine grade wood fiber, dolomitic and calcitic limestone, non-ionic wetting agent and standard seedling fertilizer starter charge.





## BM2 Seed Germination

Incubated pH = 5.2 - 6.0

High-performance, general-purpose plug mix for unmatched uniformity during seed germination and seedling production. Designed for seamless flow through tray filling system, this blend can be used with most production systems and cultural conditions.

### FEATURES AND BENEFITS

Easy-to-use mix fills small cells perfectly for consistent growth. Balanced water-to-air ratio for a healthy root system. Low fertilizer starter charge lets you control your feed strategy.

### INGREDIENTS

Premium selected fine grade peat moss, fine grade perlite, fine grade vermiculite, dolomitic and calcitic limestone, non-ionic wetting agent and standard seedling fertilizer starter charge.



## BM2 Propagation HP

Incubated pH = 5.2 - 6.0

Made with coarse-grade perlite to provide superior drainage and aeration, this growing medium is our most porous propagation mix designed to rapidly evacuate excess water.

### FEATURES AND BENEFITS

High drainage propagation mix. Low stick content. Ideal for paper pot systems. Stay in control of your feed program with our reduced fertilizer starter charge.

### INGREDIENTS

Premium selected fine grade peat moss, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard seedling fertilizer starter charge.



## OM2 Seed Germination

Incubated pH = 5.2 - 6.0

High-performance, general-purpose plug mix authorized for organic production ensure unmatched uniformity during seed germination and seedling production. Designed for seamless flow through tray filling system, this blend of fine grade peat moss, perlite and vermiculite can be used with most production systems and cultural conditions.

### FEATURES AND BENEFITS

OMRI listed. Versatile product ideal for wide array of crops. Balanced water-to-air ratio for a healthy root system. Vermiculite helps maintain optimal moisture around the seed.

### INGREDIENTS

Premium selected fine grade peat moss, fine grade perlite, fine grade vermiculite, dolomitic and calcitic limestone and organic wetting agent.



# Drainage Mixes



## BM5 Natural Fiber & Aggregate - Wood HP

Incubated pH = 5.4 - 6.2

For crops that require a more porous substrate, this combination of Canadian sphagnum peat moss, NF Wood and perlite provides excellent drainage capacity reducing the incidence of water stress and stimulating rapid root development.

### FEATURES AND BENEFITS

Increased air space for fast and healthy root growth. Drain excess water quickly. Get more volume per bale compared to traditional mixes. Higher drainage capacity for better control on your fertilizer program.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade wood fiber, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



## BM5 Natural Fiber & Aggregate - Wood Super HP

Incubated pH = 5.4 - 6.2

This combination of Canadian sphagnum peat moss and increased percentages of NF Wood and perlite create an extremely porous structure providing ample drainage and air space.

### FEATURES AND BENEFITS

Prevents over saturation. Forgiving for very humid environments. Increased air space for faster and healthier root growth. Get more volume per bale compared to traditional mixes. Stable structure.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade wood fiber, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



## BM6 All-Purpose HP

Incubated pH = 5.4 - 6.2

With higher perlite content, this version of our renowned BM6 is designed to provide additional drainage and aeration. This traditional peat-and-perlite mix's versatility and performance exceeds industry expectations.

### FEATURES AND BENEFITS

Reduces plant stress due to excess water. Proven performance. Excellent drainage capacity for better control on your fertilizer program. Consistent and uniform for predictable results.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.





## BM7 Coarse Bark

Incubated pH = 5.5 - 6.5

The combination of Canadian sphagnum peat moss, coarse bark and perlite creates ideal aeration and porosity—all while providing additional weight for anchor. This stable structure gives the necessary long-term drainage for successful perennial production.

### FEATURES AND BENEFITS

Consistent and uniform bark mix for predictable results. Provides more weight to anchor trees, shrubs and perennials. Stable structure for long-term crops. Forgiving substrate with excellent drainage.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, coarse bark, dolomitic and calcitic limestone, non-ionic wetting agent and adapted fertilizer starter charge.



## BM7 Bark HP

Incubated pH = 5.5 - 6.5

High bark content provides excellent porosity while giving additional weight for anchor. Designed for both greenhouse and outdoor productions in the southern and mid-western USA, this mix allows excess water to drain rapidly.

### FEATURES AND BENEFITS

Uniform and long-lasting bark mix. Heavy weight for superior stability in larger containers. Provides more weight to anchor trees, shrubs and perennials. Forgiving substrate with good drainage.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, bark, dolomitic and calcitic limestone, non-ionic wetting agent and adapted fertilizer starter charge.

# Water Saving Mixes



## BM4 Natural Fiber - Wood

Incubated pH = 5.4 - 6.2

A blend of Canadian sphagnum peat moss and eco-friendly NF Wood, this matrix of fibers creates a unique connective network offering high water retention and ample air space for very rapid root development.

### FEATURES AND BENEFITS

Water reserve allows for additional time between irrigation. All-natural and biodegradable main components. Reduce handling with more yield per bag. Consistent and uniform for predictable results.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade wood fiber, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



## BM8 Water Saving

Incubated pH = 5.4 - 6.2

With the addition of our professional-grade composted peat moss, this mix is specifically designed to lengthen the dry-down period. The extra water reserve is great for maintaining moisture level in hanging baskets and large containers.

### FEATURES AND BENEFITS

Additional weight provide weight in outdoor productions. Compost provides additional nutrients. Higher water retention coupled with good air space. Higher CEC for increased buffering capacity.

### INGREDIENTS

Premium selected coarse grade peat moss, coarse grade perlite, composted peat moss, dolomitic and calcitic limestone, non-ionic wetting agent and standard fertilizer starter charge.



# Benefits of NF Wood Products



## Berger's Proven Natural Wood Fiber

With our NF Wood products, you'll enjoy all the benefits of our rigorous quality control system that gives you the most consistent peat-based mixes with the added-value of wood fiber.

### **REDUCES TRANSPORT COSTS**

Low density, light weight product and a higher yieldper bale.

### **ENVIRONMENTALLY FRIENDLY MATERIAL**

Fully biodegradable.

### **RAPID ROOT DEVELOPMENT**

Connected network of fibers which improves water distribution and air capacity for optimized water retention & porosity.

### **HIGHLY VERSATILE**

Used extensively for a variety of crops and container sizes, even specialty crops.

### **SHORTEN PRODUCTION TIME AND TURN BENCHES MORE OFTEN**

Stimulates and increases root development.

## Expertise in Wood Fiber Processing

For over 10 years now, Berger's R&D team has been developing the best techniques to optimize the integration of wood fiber into our NF Wood products. For growers like you, this know-how means:

- A stable and homogenous structure for your crops thanks to our production methods ensuring uniform distribution of wood fiber;
- Numerous tests in our research facilities to develop recipes that take into account the interactions between components and achieve the optimal balance between porosity and water retention.
- Vast experience with wood fiber and other growing media components which allows us to better advise you on the best practices when using our products.



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