

## A New Carbon Soil Builder



PermaMatrix® BSP  
**FOUNDATION**

Cultivate Sustainability

### Minerals

- Provide the essential vitamins plants need for vigorous development, derived from locally sourced Basalt.

### Soil Humus

- Provides humic acids required for plant vigor
- Sourced from sustainable organic matter

### Biochar is life supporting soil carbon that is highly porous and essential to plant development.

- Provides superior habitat for microbial and fungal development
- Increases nitrogen delivery to plants (Carbon Link™)
- Reduces nitrate leaching
- Increases soil moisture retention and fertilizer efficiency



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Made in USA



Net Wt 3 oz / 0.085kg



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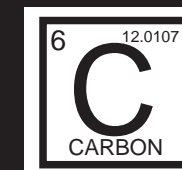
Cultivate Sustainability

### USES for PermaMatrix® BSP FOUNDATION

- Add to potting soils used in planter pots
- Incorporate into plant beds
- Apply directly to lawns

Easily applied using a broadcast or drop spreader at the recommended rates.

For detailed application rates visit  
[permamatrixbsp.com/apprates](http://permamatrixbsp.com/apprates)



A CARBON based soil builder containing biochar, minerals, organics and living micro-biological elements that replenishes tired and worn out soil the same way that Nature does.

PermaMatrix® BSP **Foundation** contains biochar — important biological carbon that:

- improves soil structure
- retains soil moisture
- supports living soil micro-organisms

PermaMatrix® BSP **Foundation** delivers nutrients through soil to the plant using a unique CARBON LINK™. It's the organic solution to overuse of petroleum based fertilizers.

### PermaMatrix BSP Foundation General Purpose Biotic Soil Amendment for All Plants CONTAINS NON-PLANT FOOD INGREDIENTS ACTIVE INGREDIENTS 3.5%

#### Microbial Inoculants (Nitrogen Fixers):

Microbial Inoculants (Nitrogen Fixers):	
Azospirillum lipoferum .....	2.76x10 <sup>8</sup> CFU/lb
Azospirillum brasilense .....	2.76x10 <sup>8</sup> CFU/lb

#### Microbial Inoculants (Biochemical Decomposers):

Bacillus subtilis .....	9.12x10 <sup>11</sup> CFU/lb
Bacillus licheniformis .....	7.30x10 <sup>11</sup> CFU/lb
Bacillus amyloliquefaciens .....	1.82x10 <sup>11</sup> CFU/lb

#### Endomycorrhizal Fungi:

Glomus intraradices .....	1.1 propagules/g
Glomus mosseae .....	1.1 propagules/g
Glomus aggregatum .....	1.1 propagules/g
Glomus etunicatum .....	1.1 propagules/g

#### Ectomycorrhizal Fungi:

Pisolithus tinctorius .....	3,964 propagules/g
Rhizopogon villosulus .....	110 propagules/g
Rhizopogon luteolus .....	110 propagules/g
Rhizopogon amylopogon .....	110 propagules/g
Rhizopogon fulvicleba .....	110 propagules/g
Scleroderma cepa .....	220 propagules/g
Scleroderma citrinum .....	220 propagules/g

OTHER SOIL AMENDING INGREDIENTS 96.5%

**Soil Amending Ingredients:** Basalt, Reed Sedge Peat, Doug Fir Forest Biochar  
**Directions for use:** Broadcast, Drill or Apply by Hand to all soils to enhance biological activity  
**Purpose:** Nitrogen fixation and Biochemical Decomposition  
**Storage:** Store in a cool dry place

PermaMatrix Inc. PO Box 1210, Fairview, OR 97024 [www.permamatrixbsp.com](http://www.permamatrixbsp.com)  
Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

### PermaMatrix® BSP Foundation App Rate

Per 1,000 Square Feet	12 lbs
Per Cubic Yard Bulk Soil Mix	6-12 lbs
Per Cubic Foot Soil Mix	3-6 oz