Berger

# BM 2

Seed Germination

# TECHNICAL DATA SHEET

berger.ca

NOTES

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Seed Germination

BM2-01 v05: 2012-07-10

## Chemical Characteristics (S.M.E. METHOD)

| ELEMENT | RANGE | |
|---|---|---|
| | Min. | Max. |
| pH ** | 5.2 | 6.0 |
| E.C. (mmhos/cm) | 0.7 | 1.35 |
| Nitrate – $NO_3^-$ (ppm) | 26 | 81 |
| Ammonium – $NH_4^+$ (ppm) | 0 | 14 |
| Phosphorus – P (ppm) | 4 | 36 |
| Boron – B (ppm) | 0.05 | 0.44 |
| Potassium – K (ppm) | 26 | 98 |
| Sodium – Na (ppm) | 0 | 28 |
| Calcium – Ca (ppm) | 52 | 177 |
| Magnesium – Mg (ppm) | 18 | 66 |
| Copper – Cu (ppm) | 0.0 | 0.3 |
| Manganese – Mn (ppm) | 0.2 | 1.1 |
| Iron – Fe (ppm) | 0.5 | 2.2 |
| Zinc – Zn (ppm) | 0.0 | 0.9 |
| Aluminium – Al (ppm) | 0.0 | 0.5 |
| Molybdenum – Mo (ppm) | 0.00 | 0.06 |
| Sulfate – $SO_4^{2-}$ (ppm) | N/A | N/A |
| SAR | ----- | < 5 |

** Incubated pH
*** Based on 6-inch pots

## Components %

| | |
|---|---|
| Fine Peat Moss | 70 |
| Fine Perlite | 15 |
| Fine Vermiculite | 15 |
| Dolomitic Lime | |
| Calcitic Lime | |
| Non-Ionic Wetting Agent | |
| Starter Charge | |
| Upon Request | |
| Actino-Iron™ | |
| Rootshield™ | |

## Physical Characteristics

| | Min. | Max. |
|---|---|---|
| Dry Density (g/L) | 72 | 95 |
| Bulk Density (lbs/cft) | 9 | 11 |
| Moisture Content (%) | 50 | 53 |
| Water Retention (x dry weight) | 10 | 12 |
| Air Space*** | 14 | 23 |
| Coarse Fiber > 10 mesh | 5 | 15 |
| Medium Fiber 10-18 mesh | 15 | 35 |
| Fine Fiber 18-50 mesh | 30 | 45 |
| Extra Fine Fiber < 50 mesh | 19 | 36 |

## Available Sizes

| Size cu. ft. (compressed) | Approx. volume cu. ft. (loose) | Qty./pallet | Approx. weight/unit lbs. (kg) |
|---|---|---|---|
| ----- | 3.1 | 54 | 35 (15.9) |
| 3.8 | 7.8 | 30 | 80 (36.3) |
| ----- | 75 | 2 | 717 (325) |
| 110 | 220 | 1 | 2140 (973) |

Note: Approximated ranges. The values listed are for informational purposes and may, in no circumstances, be used as collateral.