



Heart & Soil[®] Complete

Slow-Release Biosolids Fertilizer

Overview & Benefits

Heart & Soil *Complete* provides slow-release nitrogen and is available in bulk for agricultural and industrial operations in Vermont and New Hampshire. The slow release nutrients, organic content and high pH make it an excellent fertilizer and soil amendment for acidic native soils. Some typical uses of the product are as a fertilizer on corn or forage grass crops and as the organic component in manufactured topsoil. RMI provides nutrient management support to ensure you receive the full benefits from using Heart & Soil *Complete*, and bases specific agronomic recommendations upon review of soil reports and/or field and crop history. A typical application rate when used for corn or forage grass is 8-12 tons per acre.

Plant Nutrients

(lbs per ton as received)

Total Nitrogen (N)	Available Nitrogen (N)	Lime	Available Phosphorous (P ₂ O ₅)	Soluble Potash (K ₂ O)
23	10	374	5	1

*Avg. values based on data from 1/1/14-12/31/14 on Concord WWTF solids-SQC9702. Phosphorous availability of 40% based on UNH Co-op Extension guidance.

Best Management Practices

- ◆ Application rates are based on recent soil analysis and crop needs
 - ◆ Quantity delivered will be based on soil and crop management goals
 - ◆ Aerial photo or map provided by customer will be used to determine field size and acreage
 - ◆ Minimum 40 yard deliveries, need safe, firm, level location for off-loading tractor trailer truck
 - ◆ Storage—Heart & Soil *Complete* shall not be stored longer than 8 months prior to spreading
 - ◆ Locate and shape stockpiles to minimize the water running on, off, or through the material
- ◆ *Complete* is spread with ordinary manure spreading equipment and may be topdressed or incorporated, but may not be spread on saturated, frozen or snow covered ground
 - ◆ Nutrient recommendation from RMI's certified crop advisor or UNH Cooperative Extension is required when land applied on an area greater than 5 acres
 - ◆ Land application >35' from surface water
 - ◆ May not be land applied or stockpiled within 250' of a NH Designated River, or land applied within the river corridor except in accordance with RSA 483

Ave. Metals Concentration (mg/kg)	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
<i>Heart & Soil Complete</i>	2.0	0.8	8	105	10	0.39	2.6	5	1.64	231
NHDES Standards	10	10	160	1000	270	7	18	98	18	1780

Heart & Soil Complete is produced by pasteurizing the biosolids with a combination of heat and lime. This process ensures that the final product meets State and Federal Class A standards for pathogen reduction and vector attraction reduction