



BIO RETENTION MEDIA

Utelite Corporation

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PART 1: GENERAL

- | | |
|--------------------------------|-----|
| A. Vitrified Shale Conditioner | 50% |
| B. Screened Loamy Topsoil | 25% |
| C. Approved Compost | 25% |

PART 2: PROPERTIES

- A. Vitrified Shale Conditioner
Utelite 'Fines' Rotary Kiln Expanded Shale Lightweight Aggregate

Bulk density (cu. ft.): 50 – 55 lbs

Saturated weight (cu. ft.): 60 – 75 lbs

- B. Screened Loamy Topsoil

Texture

30% - 50% Sand

30% - 50% Silt

10% - 25% Clay

<5% Organic Matter

- C. Approved Compost

| | |
|-----------------------------|---------|
| pH | 6 – 8 |
| Soluble Salts | <5 |
| Sodium Adsorption Ratio | <10 |
| Carbon / Nitrogen Ratio | <20:1 |
| Moisture % | 25 – 35 |
| Coarse Material 98% Passing | 3/8" |

PART 3: COMPONENT BLENDING

1. Mechanically mix sand and clay thoroughly (if necessary) to meet loamy top soil specification.
2. Mechanically mix 2 parts Vitrified Shale Conditioner to 1 part Screen Loamy Topsoil and 1 part Approved Compost until a uniform distribution of the components is achieved.
3. When stockpiling the finished mix, cover the pile with a plastic tarp to prevent drying out and soil separation from rain.