



## BIO RETENTION MEDIA SOIL-LESS

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### PART 1: GENERAL

\* BIO RETENTION MEDIA

A. Utelite 'Fines' Expanded Shale	50%
B. Sand	25%
C. Approved Organic Matter	25%

*\*Note: Actual component proportions can be adjusted to meet project specific requirements.*

### PART 2: PRODUCTS

- A. Utelite 'Fines' Expanded Shale
- B. Washed Sand

Root zone sand or equivalent with minimal silt and clay content

- C. Approved Organic Matter

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: BLENDING PROCEDURE

1. Mechanically mix 1 part Sand to 1 part Approved Organic Matter to provide a uniform distribution of the components.
2. To ensure proper soil component distribution, care should also be taken to ensure proper moisture content for the media components.
3. Mechanically mix 2 parts of the Sand/Organic mix with 2 parts of the Utelite 'Fines' until a uniform distribution of the components is achieved.
4. When stockpiling the finished mix, cover the pile with a plastic tarp to prevent drying out or soil separation from rain.