Using Recycled Tire Chips As Aggregate in Septic Systems

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Diagram of Septic Tank
Overhead View of Septic System

- Septic Tank
- Distribution Box
- Perforated Pipe
- Absorption Trench
Percent Volume Void Space

Tire Chips = 62%

#5 Stone = 44%
Weight Comparison

5 Gallon Container

Tire Chips = 25 lbs
#5 Stone = 70 lbs
Approximate Values in Horry County Per Year

- 1200 Septic Tank Systems Installed
- 800 Tires per System
- 1,000,000 Tires Used
Advantages of Tire Chips Over Stone

- Reuse & Recycle
- Saves Resources
- More Storage Volume
- Lighter
- Less Expensive
- Easier to Use
- Saves Windshields
Disadvantages of Tire Chips

- Wire Shreds
- Quality Control
- Availability
- Clean up
- Public Acceptance of New Products
Examination of Septic System with Tire Chip Aggregate
Five Year Old Tire Chip System
Scientist Examines Effluent For Nematodes