



# PERMATILL

## VA GARDENER'S BEST FRIEND

### TIPS & FACTS

Clay soil got you down? PermaTill is here to help every gardener work with their native soil. Clay soil is very compact & simply put, it lacks the ideal 25% air required for successful planting conditions.

Avoid creating long raised beds or desperately replanting everything after a wet period by adding PermaTill to your plantings. PermaTill will permanently aerate your compacted soils & only has to be applied one time.

Properly proportioned 35%-50% in the native clay with about 15%-20% organic matter, PermaTill will continuously allow the exchange of air to occur between the surface and soil.

### DIRECTIONS

#### **New Plantings**

1. Remove unwanted vegetation & debris.
2. Spread a layer of PermaTill over the entire area to be amended.
3. If organic matter is required, add ½ inch layer of approved compost in addition to the PermaTill. How much PermaTill depends on the desired root depth & the existing soils

Finished Soil Depth		PermaTill Layer
6"-8"	add	1.5"-3"
10"-12"	add	3"-4"

And so forth...

#### **Existing Plants**



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1. Use a spading fork to loosen the soil around the drip zone of plants to a depth of 6"-8"
2. Fill the cracks to the surface with PermaTill
3. Top-dress with compost if needed
4. Tamp & water thoroughly
5. For large trees & shrubs professionals recommend vertical mulching and radial trenching out from the drip zone
6. Fill trenches & auger holes with PermaTill for long term aeration

### Long Term Benefits

- Permanent applications
- Sterile & inert
- 6-10% moisture retentive
- High water release curver reserves pore spaces for air & roots
- Encourages & maintains deep water, air & root movement

### Other Applications

- Existing tree root bridging & compaction reduction
- Protecting roots from vole damage
- Greenhouse & nursery production
- Green roof media
- Structural soils for urban trees
- Structural soils for turf areas & fire lanes
- Aquaponics
- Water gardens
- Bioretention & rain garden media