

## Penterra™ Soil Penetrant & Wetting Agent

Penterra™ is a uniquely formulated high grade proprietary soil penetrant with added long term effects.

It helps reduce crusting, loosens up hard clay soils, and allows water and oxygen to better reach plant roots by reducing the surface tension between the water and the soil.

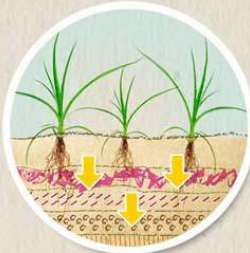


### Penterra, the fastest-acting soil penetrant on the market, provides a quick and a long term method to move water through the soil

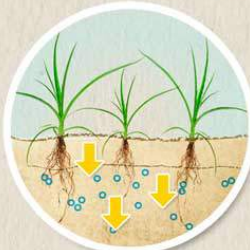
Penterra is a soil penetrant that not only gets water deep through the soil profile quickly, but also when Penterra is used regularly, this fast-acting soil penetrant promotes deeper root systems, reduces compaction, alleviates run-off, decreases erosion, helps eliminates dry spots, controls dust and flushes excess salts away from the root zone for optimal plant health.

#### Application and rates:

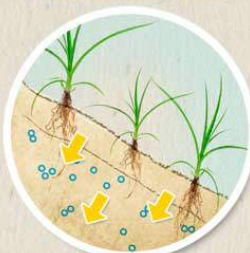
*Helps water to pass through heavy soils*



*Promotes Water Movement Through Peat moss, Mulch, etc.*



*Provides Wetting of Slope Areas Decreasing Erosion*



#### Home use, nurseries, lawns, greenhouse and general landscaping:

Follow label instructions for users.

For soils, initially drench the dry soil or planting media to moisturize using 4 oz. Penterra per 50 gallons of water per 1,000 sq. ft. After the initial application, when applying follow up applications, use 0.5 to 1 oz. per 1,000 sq. ft. Water in after application using irrigation or garden hose.

Also, apply Penterra soil penetrant throughout soil for all types of turf and soil to address and minimize common soil and water management challenges, including:

- Localized dry spot
- Soils with a high surface tension
- Hard soils and clay
- Draining Wet soils
- Soils with minimal air and water penetrations
- Stressed plants due to lack of water
- Poor soil drainage
- Erosion
- Dust control

**Penterra is a soil penetrant not plant food. It is important to flush Penterra from foliage or leaf surfaces immediately with water.**

#### Turf, fairways, athletic fields:

Use ½ gallon (64 oz) of Penterra in 80 - 100 gallons of water per acre every 3-4 weeks as needed, such as before a forecast of heavy rains when seeking to avoid water setting on playing surface. Irrigate for 5 to 10 minutes following application to help move Penterra through the soil even more quickly.

If applying to a small area, use 1 oz in five gallons of water per 1,000 sq. ft.

**Note Penterra is a soil penetrant not plant food. It is important to immediately flush Penterra from foliage or leaf surfaces with water.**

#### Greens and tees:

Use 1 oz. Penterra in 5 gallons of water per 1000 sq. ft. Follow with 5 - 6 minutes irrigation to flush Penterra penetrant into the soil. Repeat every 2- 4 weeks or as needed.

**Note Penterra is a soil penetrant not plant food. It is important to immediately flush Penterra from foliage or leaf surfaces with water.**

#### Crops:

Use ½ gallon (64 oz) Penterra diluted in 60 gallons of water and spray on the surface of the soil to improve drainage and leach excess salts. If timing into an irrigation system, time the application of Penterra toward the end of the cycle to keep the soil penetrant in the root zone.

**Note Penterra is a soil penetrant not plant food. It is important to immediately flush Penterra from foliage or leaf surfaces with water.**



### Bare compacted soil (Non Vegetative compacted soil):

Use about 1 gallon per 75 gallons of water and apply to the affected area every 4 to 6 weeks as needed.

**Note Penterra is a soil penetrant not plant food. It is important to immediately flush Penterra from foliage or leaf surfaces with water.**

### Dust control and soil erosion prevention for industrial applications:

To help with dust control, add 25-50 gallons of Penterra soil penetrant to 5,000 gallons of water in a water truck. Apply liberally in area which dust and erosion control is needed.



### Other professional applications include:

- Overall water movement throughout soil through the soil profile
- Minimizing puddling after rain
- Foliar absorption to increase rates at which plant tissues absorb other solutions, including foliar fertilizers and others.
- Dew and frost prevention
- Review label for applications, rates and instructions
- Note Penterra is a soil penetrant not a plant food.
- Immediately flush any soil penetrants from foliage or leaf surfaces



## Is Penterra soil penetrant helpful for you?

Here is how & why homeowners and professionals use Penterra, the fastest-acting soil penetrant:



Gets water into root zones, so water penetrates through the soil even on hills and slopes, decreasing erosion and dry areas



Promotes water movement penetrating deep into the soil, even if the soil is compacted



Soil penetrants improve water and nutrient uptake while also improving oxygen levels and aeration of the root zones



Soil penetrants help to flush excess salt in the soil soil, even if the soil is compacted



Soil penetrants reduce water repellency in the soil profile, increasing time in which plant roots can absorb water



Penterra is the fastest-acting soil penetrant

Prior to a rain event, professionals choose Penterra as the fastest-acting soil penetrant to reduce puddles and to keep water from sitting on the surface, which if left untreated, standing water damages turf and can cause costly delays.

Penterra is a soil penetrant and soil surfactant that helps loosen soil, including clay, to improve the soil structure and allow water and oxygen to better reach plant roots.

Penterra is a soil penetrant, surfactant or wetting agent for not just soil but mulch, peat moss, sawdust, or any other soil preparation mixes to more easily absorb water, so the water gets where the plant needs it and saves you time, money and water usage.