

# EarthWorks

## SOIL CONDITIONER

When a soil is opened up, through aerification or construction, a quality soil conditioner can save months of work in a single day. The EarthWorks soil conditioners were built to mimic how a soil works by providing nutrient holding capacities, moisture management, biological stimulation, nutrient mobility and thatch management. They are ideal for plant establishment and recovery. Mineral and carbon rich, they help build weak soils by feeding microbial populations which promotes deep healthy rooting. The EarthWorks soil conditioners will work in your soils for years building soils and reducing plant stress.

## Ecolite

*The premier physical amendment with the highest CEC*

1. This is the cleanest and purest zeolite mineral available. This is a mined mineral with a shale like structure that allows it to hold and release moisture. It can hold its weight in water but unlike other physical amendments it lets it go making it available to the plant.
2. It has as much as twice the CEC holding capacity of all physical amendments. This allows the soil to keep nutrients in the root zone where the plant can utilize them as needed, ensuring the plant is getting fed on a regular basis.
3. Zeolite is a potassium silicate mineral that has the ability to hold potassium in the root zone for plant uptake. This potassium reservoir is extremely significant in sodium rich soils keeping the K:Na ratio in balance protecting plants from sodium induced stresses.
4. The mineral also has a very strong affinity for ammonium nitrogen helping to keep it from leaching or volatilizing. This allows microbes to further break it down through the nitrification process ensuring efficient N uptake.
5. Helps manage moisture in the root zone of any turf or landscape environment. Incorporating Ecolite into aerification holes, construction projects or landscape plantings will help keep plants healthy for years to come.

**Ecolite has the highest CEC of any physical amendment.** The holding capacity is more than double products like calcined clay amendments ensuring that the plants get the nutrients that they need when they need them most. This is especially true in sand constructed environments where nutrient holding capacity is at a premium.

**Ecolite holds ample amounts of water, then lets it go when the soil dries out.** Unlike other physical amendments that may hold more moisture, Ecolite has been proven to release its water reserves osmotically when the soil dries out, providing plant material with sustainable water availability.

**Ecolite has a strong affinity for both potassium and ammonium nitrogen.** Keeping potassium in reserve means the plant can find it when it needs it most. It can keep the soil K:Na ratio in balance helping to avoid sodium induced stresses. By holding ammonium nitrogen in the root zone longer the microbes have a better chance of turning the nitrogen into plant usable forms.

### APPLICATION RATES

For golf or construction amendment projects please reach out to an EarthWorks Agronomist for specifics. Rates can vary depending on soils and project goals.

Aerification rates are 10-20 lbs./1000 sq. ft.

For landscapes - use 1 cup of product for every 1" diameter of truck for new tree and use 2 cups in the planting hole for five-gallon containers. Adjust accordingly it is hard to over apply.



**EarthWorks**  
A Deeper Respect

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**Golf Ventures**