

GYPSAND + LEONARDITE DRY HUMATE

Amendments to Enhance Topdressing Sand

Improve Turfgrass Health, Build Soil Structure and Maintain Turfgrass Performance

GypSand is a form of gypsum that has been specifically developed for incorporation into dusting and topdressing sand to improve soil calcium levels.

Calcium's Role in Turfgrass Management

- The main soil nutrient contributing to soil balance is calcium.
- Soils containing adequate calcium levels have good structure.
- Calcium ideally occupies 70% of the total cations in the soil.
- Calcium displaces the detrimental salt sodium.
- Low calcium levels lead to poor soil structure.
- Turfgrass grown in low calcium soils requires additional management inputs.
- Turfgrass plants utilise calcium for growth and development.

Advantages of Using GypSand

- Hardened gypsum provides a slow release effect to build long term soil calcium levels.
- Reduces the extra granular application to apply calcium.
- Reduced labour costs.
- Less material on playing surface.
- More cost effective.
- Topdressing sand has a greater agronomic benefit.
- Maintains its integrity within the sand pile.
- Free from contaminants.

Leonardite Dry Humate is a concentrated form of humic acid to improve soil cation exchange capacity while supporting a strong turfgrass surface.

Humic Acid's Role in Turfgrass Management

- Humic Acids are the "active ingredient" of humus.
- Humus levels influence the soils ability to support a strong turfgrass plant.
- Plant physiological process are positively impacted by humic acids.
- Physical, chemical and biological properties of the soil are improved through the addition of humic acids.
- Humic acids are a carbon rich food source for soil microbes..

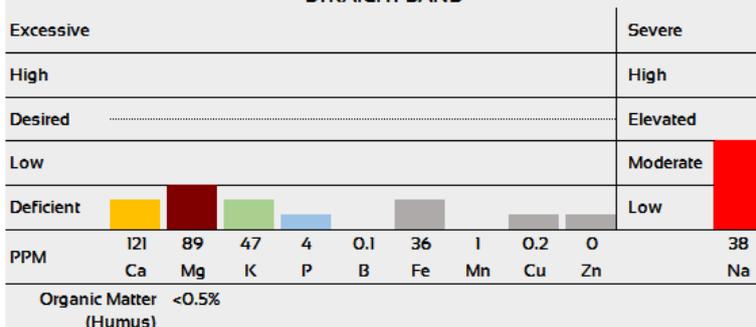
Advantages of Using Leonardite Dry Humate

- 70% Humic Acid concentration.
- Reduce the number of additional granular applications made to the playing surface.
- Boosts soil humate levels resulting in increased CEC.
- Chelates nutrients in the soil.
- Improves soil fertility.

Incorporating GypSand and Leonardite Dry Humate With Topdressing Sand

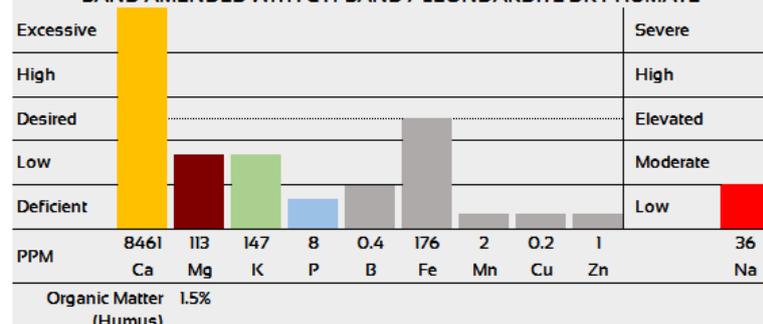
The CEC of the soil in many turfgrass situations is often low. Combining the GypSand and Leonardite Dry Humate in a sand blend results in a fertile material being regularly applied to the root-zone as opposed to a straight, inert sand. This continually improves the soil agronomy without the need for extra granular applications on the playing surface.

STRAIGHT SAND



Above: Straight Sand is inert containing very little nutrition.

SAND AMENDED WITH GYPSAND / LEONARDITE DRY HUMATE



Above: Incorporating GypSand increases the calcium levels. Incorporating Leonardite Dry Humate improves organic matter (Humus) %