

SALINE CLAY

(0% Organic Matter)

SENSOTERRA



Zilte zware klei



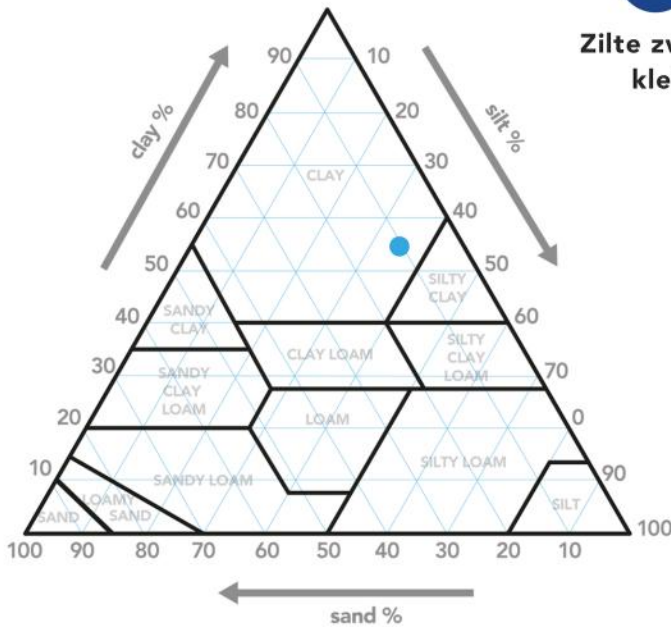
Salziger Ton



Arcillosa salina



Argile saline



Composition

Clay - 55% Sand - 10%
 Silt - 35% Organic Matter - 0%
 Salinity (EC: mS/cm) - 5

Characteristics

Clay soils have relatively small particles and can thus hold more water than most other soil types. However, only about half of this water is available to the plants. These soils swell during wet conditions and shrink and crack in dry conditions. The structure of clay soils is prone to degradation especially in very wet conditions. They have rapid limited infiltration and poor drainage.

Salinity levels of ~5 mS/cm corresponding to highly saline irrigation or intense use of fertilizers.

Recommendations for thresholds

Setpoint high: 53%

Field capacity (pF2) to prevent over irrigation and nutrient/input losses

Setpoint low: 34%

Irrigation point (pF3.3), prevents water stress on the plant.

All percentages are in Volumetric Water content (VWC). Texture classes are based on USDA soil triangle.

Volumetric Moisture Content (%)

