

ARCHER

Salinity corrector and calcium-based soil amendment

A calcium-lignosulphonate salinity corrector designed for saline soils and irrigation water. It supports cation exchange, sodium displacement, soil aggregation and improved root-zone conditions.

Catalogue reference: page 73 | Rev.05 professional technical presentation

What the product is designed to do

- Supplies complexed calcium to the soil exchange complex.
- Supports displacement and leaching of exchangeable sodium.
- Improves soil structure, aeration, infiltration and nutrient availability.
- Helps manage irrigation-water and soil salinity stress.
- Supports root activity and crop performance in salt-affected soils.

Declared technical profile

Parameter	Specification
Total Nitrogen (N)	4% w/v
Water-soluble Calcium Oxide (CaO)	10% w/v
Calcium oxide complexed with lignosulphonate	10% w/v

Physical form: Liquid concentrate

Batch-specific physical and analytical values are reported on the signed COA.

Recommended application programme

- Drip irrigation: 15-20 L/ha; up to 50 L/ha in extreme salinity.
- Typical crop guidance: citrus/fruit trees 10-16 L/ha; vegetables 5-8 L/ha; ornamentals 3-6 L/ha; tropical fruit 9-14 L/ha; olives/vines 8-10 L/ha.
- Crop-cycle guidance: fertigation 30-80 L/ha; flood irrigation 60-120 L/ha.
- Maintenance guidance in irrigation water: 20-40 mL per m³, subject to water and soil analysis.

Correct mixing and application

Conduct a jar test before tank mixing. Avoid uncontrolled mixing with strongly acidic, alkaline or phosphate-rich products. Base final rate on soil EC, sodium status, water quality and agronomic advice.

- Use clean, calibrated equipment and suitable water.
- Follow the legal label of every tank-mix partner.
- Complete a jar test and, where relevant, a small-area crop-safety test.
- Apply uniformly at the correct crop stage and environmental conditions.

Commercial and operational value

- Clear technical positioning for distributors, agronomists and professional growers.
- Compatible with programme-based selling rather than single-input selling.
- Technical documentation set includes TDS, SDS draft, COA template and original catalogue reference.
- Packaging: 1 L, 5 L, 10 L and 20 L commercial packs.

Compliance and responsible use

- Use only in accordance with destination-market law and approved labels.
- Biological/pesticidal claims may require local registration before sale or use.
- Catalogue claims must be aligned with final product formulation and regulatory dossier.
- Final commercial release requires local-language label, responsible-person details and regulatory sign-off.

CEON - Agricultural Plant Nutrition, Soil Management and Specialty Solutions