

SC-55

Anionic soil conditioner and compaction-management adjuvant

A commercial anionic soil-conditioning agent developed to reduce soil-water adhesion associated with compaction and hardpan. It promotes infiltration, aeration, available water and easier root penetration.

Catalogue reference: page 75 | Rev.05 professional technical presentation

What the product is designed to do

- Improves water infiltration and reduces runoff and standing water.
- Helps relieve compaction and hardpan without mechanical disruption alone.
- Increases soil aeration and biologically active pore space.
- Supports deeper, more uniform root development.
- May reduce irrigation frequency and improve fertiliser-use efficiency.
- Benefits can persist beyond the initial irrigation cycle, depending on soil type and management.

Declared technical profile

Parameter	Specification
Active anionic soil-conditioning complex	Catalogue-defined formulation

Physical form: Liquid soil-amending concentrate

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

Recommended application programme

- Soil application: typically 1-2 L/ha per year.
- Apply pre-plant, post-harvest or through irrigation where compaction/hardpan is diagnosed.
- Follow application with sufficient irrigation to move the product into the compacted zone.
- Rate and frequency should be adapted to soil texture, infiltration testing and crop system.

Correct mixing and application

Do not combine with strongly acidic or strongly alkaline concentrates. A jar compatibility test is required before mixing with fertilisers or crop-protection products. Avoid mixing with post-emergence herbicides unless compatibility is confirmed.

- 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: Commercial liquid packs; confirm pack size on order.

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