

RePhlex

LS

RePhlex LS is an organic acid derived from lignin, a natural and renewable raw material. Its surfactant-like properties improve water infiltration and percolation, while its calcium content displaces sodium from cation exchange sites, allowing accumulated salts to be leached through the profile.

- Improves moisture distribution and soil infiltration ahead of spring granular fertiliser applications
- Regular use combats carbonate and bicarbonate build-up from poor-quality irrigation water sources
- High organic carbon content feeds soil microbial populations and increases cation exchange capacity



Approximate longevity:
3-5 weeks



SGN/particle size:
-



Guaranteed analysis:
-



Nitrogen source:
-



Additional elements:
1.74% CaO, 4.7% SO₃



Application rate:
10-20 lt/ha



Suggested soil temperature:
Minimum: 6°C
Optimum: 15°C



Pack size:
10 lt, 120 lt

For use on:

- Greens
- Tees
- Fairways
- Fine Turf
- Outfields
- Sports Pitches
- Racecourses
- Polo



Reduce soil salinity

Learn more



For use on:

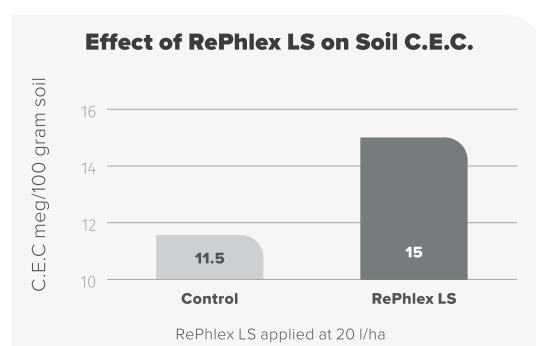
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Independent Trials

With water scarcity increasing pressure on professional sports turf, the efficient use of grey and recycled water is more important than ever. Poor-quality water sources bring real agronomic challenges through elevated salts, carbonates, and bicarbonates. To better understand these effects, Indigrow has commissioned ongoing independent research at higher education institutions across the UK and Europe, examining the effect of RePhlex LS on cation exchange capacity (C.E.C.), soluble calcium, and soil salinity.

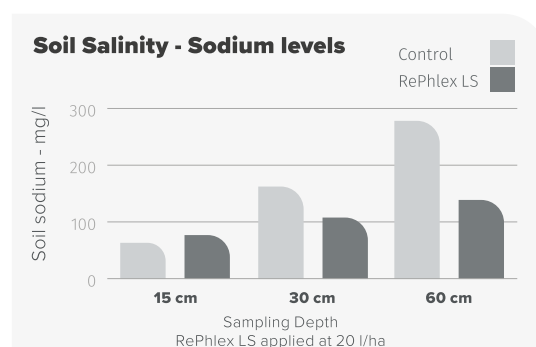
Increase in soil C.E.C.

Increasing soil C.E.C. improves the rootzone's ability to retain nutrients essential for turfgrass health. The high organic carbon content of RePhlex LS increases the number of negatively charged exchange sites in the soil, directly improving its capacity to hold key cations such as potassium, calcium, and magnesium. A single application of RePhlex LS increased CEC by almost 25% in the trial.



Reduced Soil Salinity

The calcium within RePhlex LS displaces sodium from cation exchange sites, releasing it into the soil solution where it can be leached downward through the profile. Combined with the surfactant-like properties of RePhlex LS, which improve water infiltration and percolation, sodium is moved efficiently through and out of the rootzone. Trial data shows RePhlex LS consistently reduced sodium levels deeper into the soil profile.



Increased Soluble Calcium

Calcium is commonly locked up in soil as insoluble calcium carbonate. RePhlex LS reacts with these carbonates and bicarbonates, converting bound calcium into a soluble, plant-available form. This increases calcium availability directly within the rhizosphere, where root density and uptake capacity are greatest. Trial results confirmed increased soluble calcium levels in the upper rootzone, where active roots are best placed to utilise it.

