



# Spread the revolution with **eqo.s**



The new CRF coating  
technology that shapes the future



# Introducing **eqo.s**

**eqo.s** release technology is a new, first-of-its-kind coating technology developed by ICL that is fully biodegradable and breaks down faster than existing coating technologies on the market.

Controlled release fertilisers (CRFs) with **eqo.s** release nutrients consistently for up to 4 months, and maintain an extremely high level of nutrient use efficiency. Being compliant with future fertiliser legislation, **eqo.s** is a solution for today's and future sustainable turf management programmes.



# The added value of eqo.S

**eqo.S** technology is the new standard in ICL coating technology for its controlled release fertilisers (CRFs) in the turf segment. Turf managers can expect the same advantages of using CRFs as before, with the added value of having a first-of-its-kind fully biodegradable coating that breaks down more quickly, and is fully compliant with the targets of future (EU) legislation.

## Key points

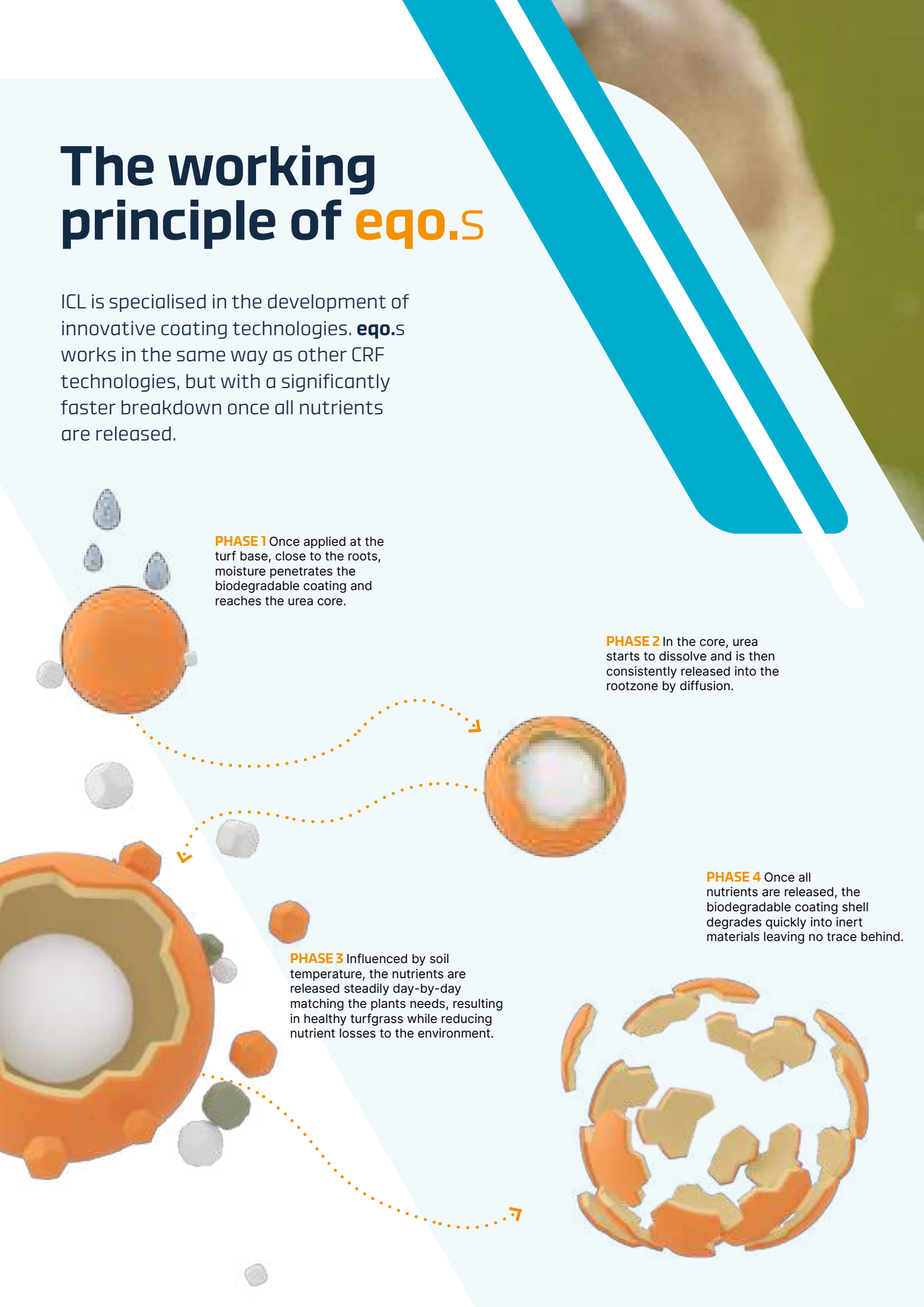
- **New, more rapidly biodegradable patented coating technology**
- **Controlled nutrient release over 3 - 4 months**
- **Highly efficient nutrient use**
- **Meets future regulatory standards**

**The innovation will be introduced in ICL's CRF portfolio for the turf segment, starting with ICL's premium ranges Sierrablen and Sierrablen Plus.**



# The working principle of **eqo.s**

ICL is specialised in the development of innovative coating technologies. **eqo.s** works in the same way as other CRF technologies, but with a significantly faster breakdown once all nutrients are released.



**PHASE 1** Once applied at the turf base, close to the roots, moisture penetrates the biodegradable coating and reaches the urea core.

**PHASE 2** In the core, urea starts to dissolve and is then consistently released into the rootzone by diffusion.

**PHASE 3** Influenced by soil temperature, the nutrients are released steadily day-by-day matching the plants needs, resulting in healthy turfgrass while reducing nutrient losses to the environment.

**PHASE 4** Once all nutrients are released, the biodegradable coating shell degrades quickly into inert materials leaving no trace behind.

## Superior performance

**eqo.s** release technology has been thoroughly tested in both lab and field conditions, showing excellent results. The technology proves it's consistent, reliable nutrient release over a 3-4 month period of time, resulting in consistent plant growth and high quality turfgrass. CRFs with **eqo.s** technology match the plant's needs perfectly, limiting nutrient losses to the environment and increasing the nutrient use efficiency.

## Revolutionary faster biodegrading coating

**eqo.s** technology is the first of its kind, offering CRFs with a fully biodegradable coating that breaks down quickly after all nutrients are released. The coating fully degrades into inert materials, leaving no trace behind. **eqo.s** technology is the solution to sustainable turfgrass management.

## Ready for the future

The 2026 EU fertiliser legislation has put strict targets on biodegradability of coatings in fertilisers. Driven by our innovative mentality, and taking our responsibility as a market leader, ICL has invested significantly in the research and development of sustainable solutions. With the introduction of the **eqo.s** release technology, we ensure that customers can use our fertiliser products without worry, knowing that they conform to the highest level of regulations.

## Laboratory and field trials

Uniform turfgrass, good colour and density; there is no need to compromise and choose between biodegradability and high performance. CRF products with **eqo.s** technology show the same advantages in turf as current coating technologies, and have been thoroughly tested in lab and field conditions to prove their performance.



*One of the field trials including CRFs with **eqo.s** release technology.*

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