

Improved rooting with  
recycled nutrients.



## Sierrablen Plus with **Pearl<sup>®</sup>** Technology

Recycled phosphorus, improved rooting

[www.icl-sf.com](http://www.icl-sf.com)





**Areas of Use:**

- Sod production ✓✓
- Sod-laying ✓✓
- Stadium pitches ✓✓
- Sports fields ✓✓
- Tees ✓✓
- Fairways ✓

## Sierrablen Plus is **now even better**

Pearl® Technology blends a unique, recycled, continuous-release phosphorus into our premium controlled-release fertilizers. Providing significantly increased rooting, and more efficient nutrient use over traditional phosphorus sources.

### Benefits Sierrablen Plus with Pearl Technology



**1.**  
Controlled-release Poly-S nitrogen for strong turf response and 3+ month longevity

**3.**  
Contains Polyhalite (with K, Ca & Mg)

**2.**  
Root-Activated™ continuous-release phosphorus for increased rooting

**4.**  
Contains circular economy nutrients N, P & Mg

**5.**  
Earlier harvest time when used for sod production

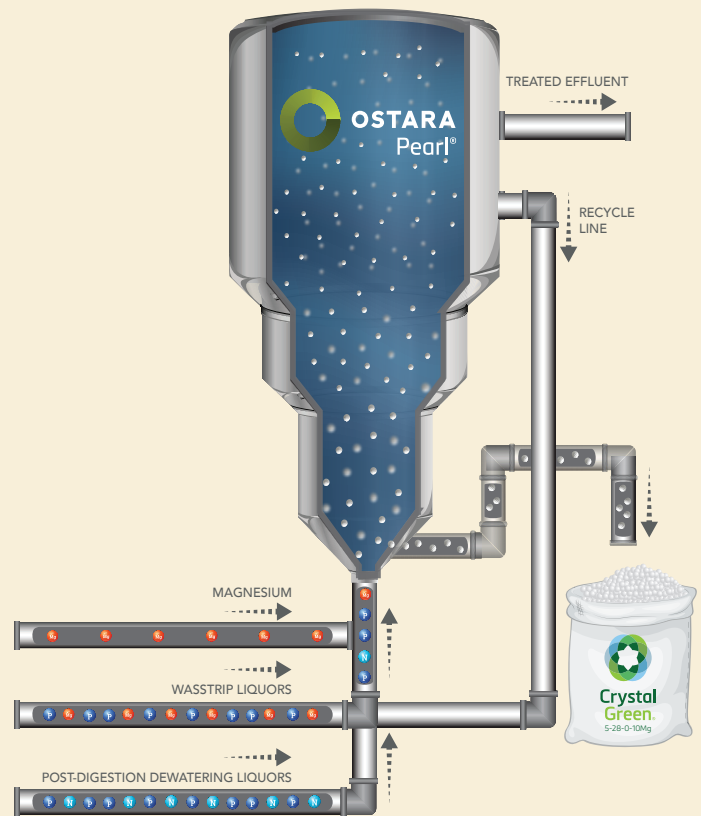
# The Pearl process

Sierrablen Plus with Pearl Technology incorporates Ostara's Crystal Green®. Crystal Green is sustainably produced and is the first continuous-release fertilizer to provide Root-Activated™ phosphorus. Crystal Green is recovered from high P water streams, including industrial, mining, food processing, livestock and municipal, utilising a unique process which allows recovery of a pure struvite granule (5-28-0+16MgO). Crystal Green's unique mode-of-action releases phosphorus, nitrogen and magnesium, only in response to organic acids produced by growing roots. As the roots produce organic acids the granules release phosphorus, fertilizing the plant on demand, all-season long. As plant demand increases, phosphorus demand increases, and Crystal Green releases. This reduces the environmental impact caused by excessive leaching and run-off of nutrients into adjacent waterways.

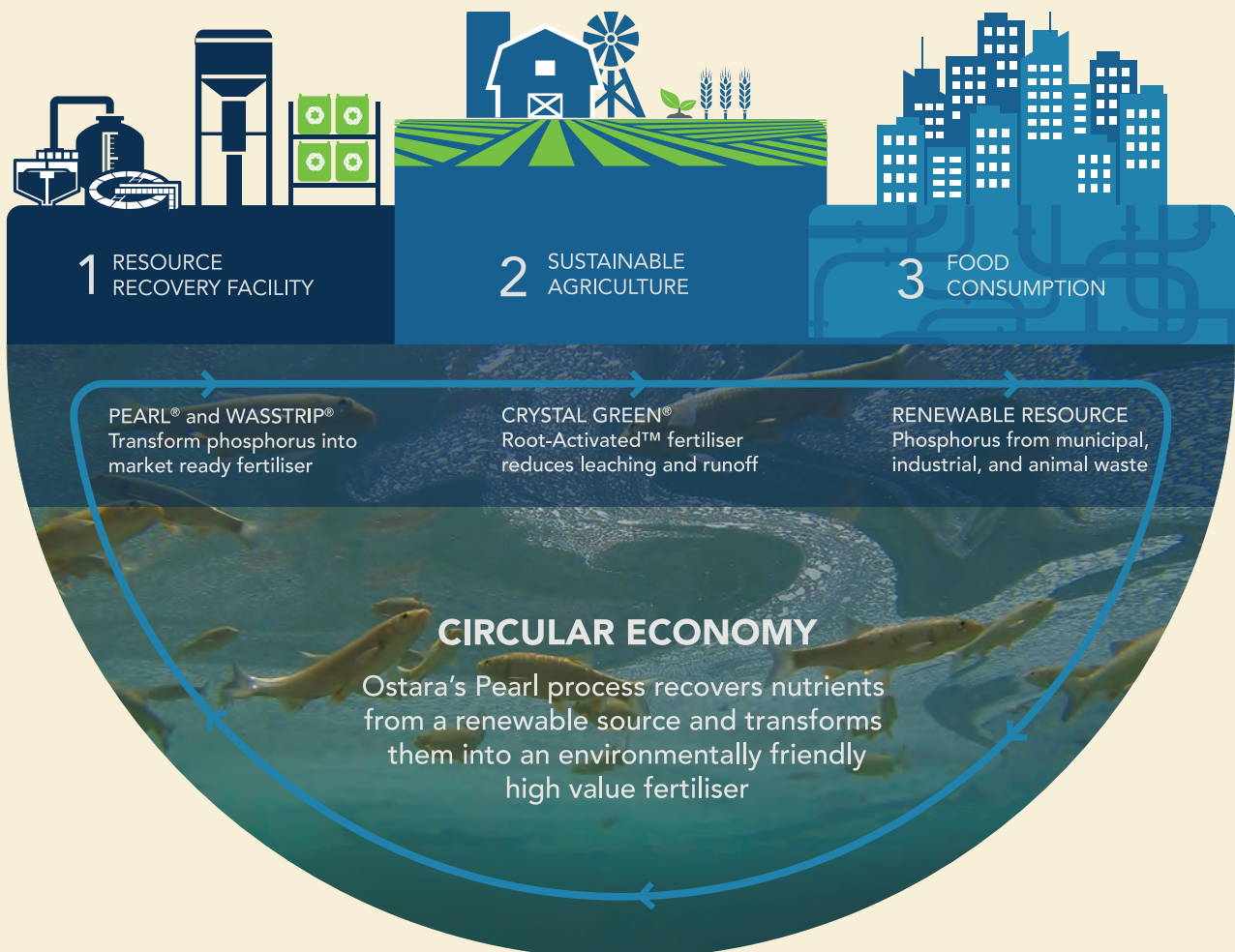


Read more about Ostara Nutrient Recovery technologies

[www.ostara.com](http://www.ostara.com)



Utilising recycled sources of phosphorus like Crystal Green helps close the phosphorus cycle, reduce phosphorus losses to the aquatic environment and preserve the primary and finite resources of rock phosphate to produce conventional fertilizers.



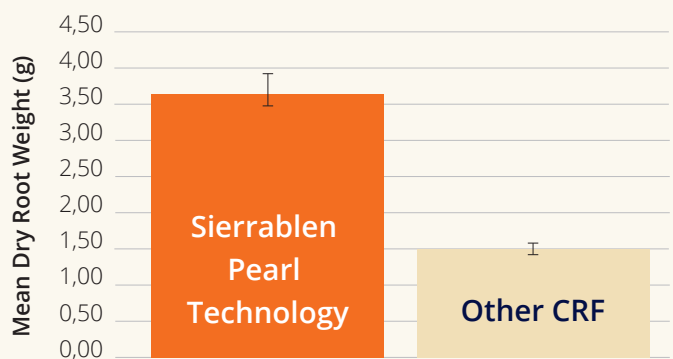
# Sierrablen Plus with Pearl Technology

The key benefits of Root Activated™ continuous-release phosphorus including increased turf rooting density and better phosphorus use efficiency have been proven through published independent research trials in the UK and US.

## AVAILABLE PRODUCT RANGE

PRODUCT	ANALYSE
RENOVATOR	11-11-5 + 4CaO+8MgO
SPRING AND SUMMER	17-5-5 + 4CaO+5MgO
AUTUMN	10-5-15 + 4CaO+5MgO
SOD STARTER (pure crystal green)	5-28-0+16MgO

**Independent trial data** has shown significantly increased rooting when Sierrablen Plus with Pearl Technology is used as a fertilizer during sod-laying. There was a 2.5 x increase in rooting when compared to another existing high-performing product.



Sierrablen Plus with Pearl Technology



High performing other fertilizer



Pearl® is an Ostara Nutrient Recovery Technologies Inc. registered trademark.

**ICL Specialty Fertilizers**

Koeweistraat 4, 4181 CD Waardenburg  
Nederland

Tel.: +31 (0) 418 655 700

Fax: +31 (0) 418 655 795

E-mail: [info@iclsf.com](mailto:info@iclsf.com)

[www.icl-sf.com](http://www.icl-sf.com)



**ICL**