



Sportsmaster® CRF Mini

A complete range of fertilisers utilising **controlled** and **conventional release** technology to deliver a **strong initial response** with **extended longevity** for up to **3 months**



Researched, formulated and
produced in-house by **AICL**

Consistent growth response

The Sportsmaster CRF Mini range contains a combination of both controlled release and conventional fertiliser technologies. This provides a quick response with consistent turf growth for up to three months.

The range comprises five different nutritional analyses to support several N-P-K ratios. This supports turf health throughout the year in various situations.

The range is formulated to spread evenly and disperse quickly, providing the ideal turf response.

Key points

- Instant response and consistent nutrient release over 3 months
- Proven longevity
- Highly uniform blend for even application and consistent performance
- Complete range of analyses of nutrient to maintain plant health all year round

Areas of use

- ✔ Tees
- ✔ Fairways
- ✔ Green surrounds
- ✔ Stadia pitches
- ✔ Sports pitches
- ✔ Outfields
- ✔ Racecourses/Gallops
- ✔ Lawn



Polyhalite

The mineral polyhalite is a component part of the Sportsmaster CRF Mini range. Polyhalite is a naturally occurring mineral fertiliser containing potassium, magnesium and calcium. We have found that the addition of polyhalite into our fertilisers results in improved turf colour, turf quality, turf vigour and growth rates.

Polyhalite has the minimum contents of:

- Potassium 14% K₂O as from potassium sulphate
- Magnesium 6% MgO as from magnesium sulphate
- Calcium 17% CaO as from calcium sulphate

Different sources of N to phase release over a 4 - 5 month period

The conventional and uncoated sources of nitrogen offer initial strong growth and visual response whilst the controlled release Poly-S granules continue to maintain turf quality for 4-5 months.

* 'Start' does not contain polyhalite.

Sportsmaster[®] CRF Mini

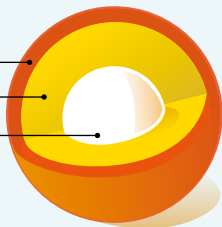
Optimal release, granular formulation

Sportsmaster CRF Mini fertilisers contain over 40%+ controlled release N in the form of our Poly-S technology.

The Poly-S in Sportsmaster CRF Mini is a controlled-release nitrogen source that delivers nitrogen gradually and consistently over a 3 month period. The nutrient release is primed by moisture permeating through the outer polymer channels, through micro-channels in the sulphur layer and into the nutrient core where the urea is solubilised. Once the urea is solubilised it is released and made available for plant uptake. This means that the fertiliser is released at an optimum rate for plant uptake and the risk of leaching losses is minimised.

Poly-S technology

Outer polymer coating
Inner sulphur coating
Urea nutrient core



Tested to guarantee longevity

Due to the extensive research, testing and quality control measures in place during production, the stated longevities of ICL controlled-release fertilisers such as Sportsmaster CRF Mini can be trusted and relied upon.

It's all about formulation...

There are a number of measures for granular fertilisers that are important to know and request.

- The Size Guide Number (SGN) is the median granule diameter (expressed as millimeters x 100) within the batch. It means that half of the fertiliser granules are larger than the set SGN and half are smaller.
- The Uniformity Index indicates the consistency of particle sizing within a fertiliser material. The higher the number, the more consistent the fertiliser is, resulting in optimal spread and application.

The SGN (Size Guide Number) for the Sportsmaster CRF Mini range will be an average of 150 with a high uniformity index. This is considered to be optimal for this category of fertiliser for application, coverage and dispersal. Competitor grades comprising of larger granules with a low uniformity index when applied would result in poor coverage, uneven distribution and would disperse less readily.

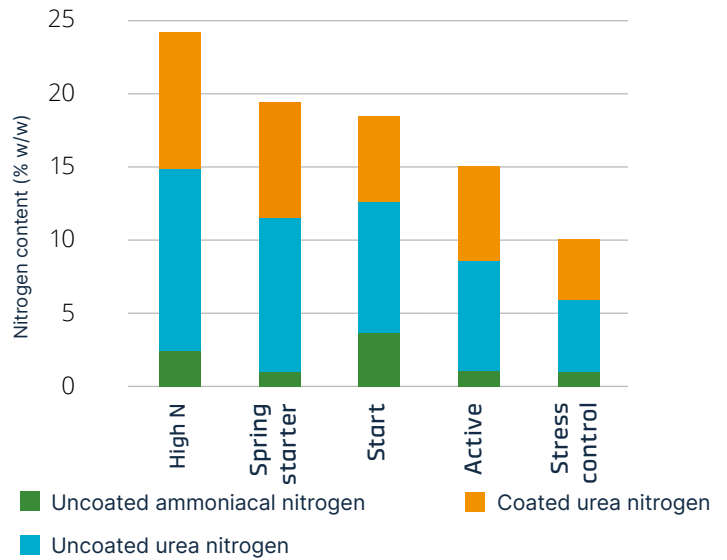
The physical characteristics of fertiliser blends dictate the performance of the product and with the Sportsmaster CRF Mini range, ICL are proud to be producing optimal formulations.



Product characteristics

Formulation type:	Mini-granule
Technology:	Controlled release
Granule size:	1 mm - 2.5 mm
Pack size:	25 kg
Pack coverage:	714 - 1,250 m ²
Granule dispersal:	7 days (visually dispersed from surface)
Longevity:	2 - 3 months
Typical turf response:	7 days (depending on environmental factors)

Nitrogen content in Sportsmaster CRF Mini



The complete Sportsmaster CRF Mini range

Product name oxide analysis (elemental analysis)	Product notes	Recommended period of use
High N 24-5-11 (24-2.2-9.1)	Ideal first controlled-release fertiliser application of the season. Quick reaction in cooler conditions.	(J) (F) (M) (A) (M) (J) (J) (A) (S) (O) (N) (D)
Spring Starter 20-5-10+2MgO (20-2.2-8.3+1.2Mg)	Ideal for use as an early season boost and will sustain turf health through the growing season.	(J) (F) (M) (A) (M) (J) (J) (A) (S) (O) (N) (D)
Start 19-19-5 +2MgO +TE (19-8.3-4.1 +1.2Mg +TE)	Ideal for use when over-seeding or laying down new turf. Note does not contain polyhalite.	(J) (F) (M) (A) (M) (J) (J) (A) (S) (O) (N) (D)
Active 15-5-15+2CaO+2MgO (15-2.2-17.4 +1.4Ca +1.2Mg)	Ideal for pre-stress conditioning.	(J) (F) (M) (A) (M) (J) (J) (A) (S) (O) (N) (D)
Stress Control 10-5-21+2CaO+2MgO (10-2.2-17.4 +1.4Ca +1.2Mg)	Designed to sustain turf health during autumn and winter and aid recovery after periods of stress.	(J) (F) (M) (A) (M) (J) (J) (A) (S) (O) (N) (D)

Rotary spreader (Accupro 2000, SR-2000)

Rate (g/m ²)	Cone Setting	Spread Width	Single Pass at Full Rate	Double Pass at Half Rate
20	6	4.0 m	M	J ½
25	6	4.0 m	M ½	K ½
30	6	4.0 m	N ½	L
35	6	4.0 m	O ½	L ½

Application information

Application rate:	20 - 35 g/m ²
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Nutrient breakdown							Application rate (g/m ²)	Nutrient levels applied (kg/ha)			Bag coverage per m ²
Nitrogen			Total P	Total K	MgO	CaO		N	P	K	
Total N (% coated)	N-NH ₄	N-Urea									
24 (42%)	2.5	21.5	5	11			20	48.0	10.0	22.0	714-1,250
							25	60.0	12.5	27.5	
							30	72.0	15.0	33.0	
							35	84.0	17.5	38.5	
20 (43%)	1.4	18.2	5	10	2		20	40.0	10.0	20.0	714-1,250
							25	50.0	12.5	25.0	
							30	60.0	15.0	30.0	
							35	70.0	17.5	35.0	
19 (42%)	3.5	15.5	19	5	2		20	38.0	38.0	10.0	714-1,250
							25	47.5	47.5	12.5	
							30	57.0	57.0	15.0	
							35	66.5	66.5	17.5	
15 (41%)	1.4	13.2	5	15	2	2	20	30.0	10.0	30.0	714-1,250
							25	37.5	12.5	37.5	
							30	45.0	15.0	45.0	
							35	52.5	17.5	52.5	
10 (41%)	1.4	8.2	5	21	2	2	20	20.0	10.0	42.0	714-1,250
							25	25.0	12.5	52.5	
							30	30.0	15.0	63.0	
							35	35.0	17.5	73.5	

Sportsmaster® CRF Mini

Testimonials

"It's all down to the longevity of the Sportsmaster CRF Mini. We can apply this product and be happy knowing that it is working efficiently away; whereas with other fertilisers we would have needed repeat applications in order to achieve the same results we are now getting with this product.

"Not only do we get great longevity from just one application but I also really like the nice, green colour it gives us. We get a fantastic growth response from the product on the tees which is really important as they aren't particularly big and they take a lot of wear."

➤ **Eoin Riddell**
Course Manager, Royal Dornoch Golf Club

"I have used the Sportsmaster CRF Mini range here at Robert Gordon's College for a few years now. I have tried other controlled release fertiliser but I always come back to CRF Mini. I get a good three months' longevity from the product with an instant response from the non-coated proportion of Nitrogen. We are happy to use it on the sports pitches so they are always looking at their best."

➤ **Donovan Reid**
Grounds Manager, Robert Gordon's College

"I found the Sportsmaster CRF Mini granular to be an outstanding product. The quality of the granules made the application such an easy process. The evenness of growth throughout our fairways and tees all season showed me how great the longevity was and how well the granules dispersed over time and did not flush away within a few weeks.




"I put the improvement of our density, growth and colour down to the CRF Mini and will always use this on my tees and fairways every year. Just putting this down at 25 grams showed how well this product could perform, and at such a competitive price. For me, having consistently performing surfaces is something we try and strive for and having used the CRF range, it gives me confidence in achieving this standard throughout the summer months."

➤ **Andy Ewence**
Course Manager, Woking Golf Club

"We have been using ICL's Sportsmaster Mini CRF product range here at Hogs Head for a number of years. The quality of granulation and range of analysis help us achieve the high standards demanded from our golfers here."

➤ **David Daly**
Golf Course Superintendent, Hogs Head Golf Club

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