

# Microfine Range

slow release – Methylene Urea and Didin, mini-granular fertilizers

## WHY Microfine fertilizers

- Slow and conventional release forms of Nitrogen
- Nitrogen from patented Methylene Urea released in sync with plant needs
- No excessive growth even after rain
- Uniform granule for even application
- 8-12 week release pattern



## WHY Duragran fertilizer

- Contains DIDIN for phased Nitrogen release
- Provides dependable nutrient release
- 8-12 week release pattern



## Product selector



PRODUCT	NOTES	GRANULE SIZE mm	PACK SIZE kg	APPLICATION RATE g/sq.m	PACK COVERAGE sq.m	LONGEVITY	N kg/ha	P kg/ha	K kg/ha
<b>18-3-12 +2%Fe</b>	Combines Methylene Urea with Iron for improved colour and extra plant resilience	1.0-2.0	20	25 35	800 571		45.0 63.0	7.5 10.5	30.0 42.0
<b>16-0-16 +2%Fe+Zn</b>	Balanced NK fertilizer, combining nitric source of N to use in cooler conditions. A true early-start fertilizer	1.0-2.0	20	25 35	800 571		40.0 56.0	0 0	40.0 56.0
<b>14-2-14 +2%Mg</b>	A 1:1 ratio N & K formulation with added Phosphate and Magnesium for all round plant health	1.0-2.0	20	25 35	800 571		35.0 49.0	5.0 7.0	35.0 49.0
<b>12-0-24 +1%Mg+1%Fe</b>	For use prior to stressful situations. Corrects Potassium deficiency and added Iron and Magnesium aids chlorophyll production	1.0-2.0	20	25 35	800 571		30.0 42.0	0 0	60.0 84.0
<b>12-0-10 +2%Mg+2%Fe</b>	Zero P for maintaining strong summer growth. Iron and Magnesium will give good strong colour	1.0-2.0	20	25 35	800 571		30.0 42.0	0 0	25.0 35.0
<b>8-0-6 +2%Mg+4%Fe</b>	Organic N provides slow consistent nutrient release to aid microbial activity. Provides a green-up effect without flushes of growth	1.0-2.0	20	25 35	800 571		20.0 28.0	0 0	15.0 21.0
<b>5-0-15 +1%Mg</b>	Potassium Nitrate and Ammonium Sulphate for increased K. Year round use and ideal for cooler conditions	1.0-2.0	20	25 35	800 571		12.5 17.5	0 0	37.5 52.5
<b>Duragran 15-5-5</b>	A mini-granular fertilizer containing Dicyandiamide, for fine turf and outfield. Reduced initial flush due to Didin	1.0-2.5	20.0	35.0	571		52.2	17.5	52.5

## Microfine Proven Technology

High performing, homogenous micro-granules combine the benefits of controlled release Methylene Urea with conventional forms of Nitrogen.

Sustained performance is achieved from an initial nutrient release response followed by a consistent balanced release for up to 12 weeks. These release patterns are achieved through the use of short-length Methylene Urea polymer chains, specially designed to achieve the desired performance.



The patented Methylene Urea used promotes strong root growth, a balanced, healthier sward with a very low salt index that reduces the potential for scorch.

The Activity Index (AI) of the Methylene Urea used is over 55%, providing the ideal slow release characteristics of consistency and reliability.

Methylene Urea release is triggered by temperature and microbial activity, thereby matching the demands of the plant at the time and growth stage required.



### Duragran with DCD Technology

**Duragran** is specially formulated to use Dicyandiamide (DCD) technology which is a nitrification inhibitor that stops the activity of Nitrosomonas. By keeping the Nitrogen in ammonium form for longer, before it converts into Nitrite and then Nitrate, there is less chance of leaching. DCD is broken down by micro-organisms, and the inhibition of the nitrification gives the fertilizer an 8-12 week release pattern. All Nitrogen sources solubilise quickly, so there is no pick up.

COLD START



TOTAL NITROGEN %	AMMONIACAL	UREIC	ORGANIC	NITRIC	METH-UREA	SUGGESTED USE PERIOD											
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18	✓	✓			✓												
16	✓	✓			✓	✓											
14	✓	✓	✓			✓											
12	✓	✓				✓											
12	✓	✓	✓			✓											
8	✓	✓	✓			✓											
5	✓			✓	✓												
12	✓	✓	✓														