



# Premier HG Range

Slow release – Methylene Urea mini-granular fertilizers

## WHY PREMIER HG FERTILIZERS

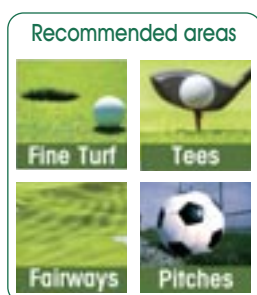
- › Multi-phased nutrient release pattern to provide consistent availability
- › Contains long lasting Nitrogen and Potassium for optimum nutrition availability
- › Comprehensive trace element package
- › Homogenous mini-granules for even distribution
- › Major nutrients released for up to 6 months
- › Flexible application rate



**Controlled Release Nitrogen** Premier-HG fertilizers not only contain conventional release Nitrogen to give an initial response, but also slow release Nitrogen in the form of patented Methylene Urea.

This Methylene Urea (MU) promotes strong root growth and a balanced, healthier sward development. It also encourages microbial activity in the soil improving the natural fertility, increasing and sustaining the population of beneficial organisms because it is a source of organic Carbon and Nitrogen. The MU also has a low salt index, meaning a very low scorch potential.

**Slow Release Potassium** As well as containing Potassium that provides a rapid availability, some is also complexed with Carbon to provide a slow release form, as well as having a bio-stimulation effect due to the organic component.



## Product selector



PRODUCT	NOTES	GRANULE SIZE mm	PACK SIZE kg	APPLICATION RATE g/m <sup>2</sup>	PACK COVERAGE m <sup>2</sup>	LONGEVITY	NUTRIENT INPUT		
							N kg/ha	P kg/ha	K kg/ha
<b>22-3-15</b> +TE	A balanced NPK fertilizer. Ideal as a base feed, and for sandy rootzones	1.0-2.5	20	25 35	800 571	NUTRIENT RELEASE FOR <b>20-24</b> WEEKS	55.0 77.0	7.5 10.5	37.5 52.5
<b>18-3-18</b> +TE	A 6:1:6 ratio NPK fertilizer. Will stimulate root growth, especially after aeration	1.0-2.5	20	25 35	800 571	NUTRIENT RELEASE FOR <b>16-20</b> WEEKS	45.0 63.0	7.5 10.5	45.0 63.0
<b>12-3-24</b> +2.5MgO+TE	Ideal to apply prior to drought stress conditions. Added Mg enhances colour. Organic K content	1.0-2.5	20	25 35	800 571	NUTRIENT RELEASE FOR <b>16-20</b> WEEKS	30.0 42.0	7.5 10.5	60.0 84.0
<b>3-3-32</b> +TE	High organic K content, for slow release and increased microbial and root development	1.0-2.5	20	25 35	800 571	NUTRIENT RELEASE FOR <b>10-12</b> WEEKS	7.5 10.5	7.5 10.5	80.0 112.0



In Premier-HG there is a free Urea fraction but in addition three fractions of Methylene Urea with differing chain lengths:

Urea fraction - very soluble and available to the turf in a matter of days.

*Fraction 1* – CWSN (cold water soluble Nitrogen) containing un-reacted Urea and short chain Methylene Urea polymers, with the Nitrogen being available over a period of weeks.


*Fraction 2* – HWSN (hot water soluble Nitrogen) consisting of medium chain length polymers released more slowly over 2-3 months.

*Fraction 3* – HWIN (hot water insoluble Nitrogen) containing longer chain polymers where the Nitrogen is released over 4-6 months or even longer depending on temperature and microbial activity.



The comprehensive trace element package contains

Iron	Improves disease tolerance
Manganese	Stimulates chlorophyll synthesis
Zinc	Enhances root development and seed establishment.
Copper	Improves cell structure
Boron	Promotes translocation of carbohydrates
Molybdenum	Converts nitrates into amino acids

TOTAL NITROGEN %	AMMONIACAL	UREIC	COLD START 	METH-UREA	TRACE ELEMENT PACKAGE	SUGGESTED USE PERIOD											
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
22	4.0	1.7		16.3	✓												
18	5.5	4.6		7.9	✓												
12	6.2	1.8		4.0	✓												
3	1.7		1.3		✓												