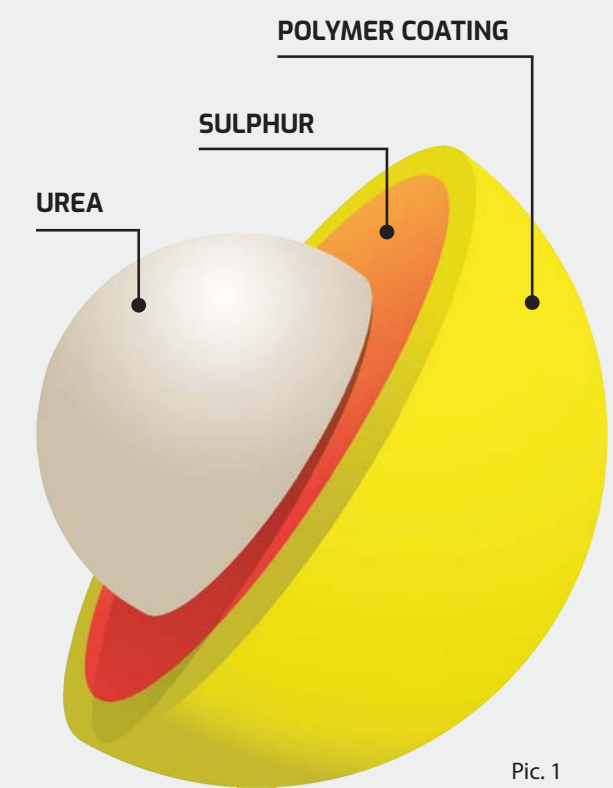


KEY NUTRITION TECHNOLOGIES

POLYMER SULPHUR COATED UREA (PSCU) is the cornerstone technology in many of the Black Label fertilisers. Using a combination of polymer and sulphur coatings around the urea granular results in a controlled release of nitrogen primarily driven by the presence of soil moisture, and to a lesser extent temperature. (Pic.1)

METHYLENE UREA (MU) is a technology for which distinguishing between principles of controlled release and slow release becomes important. Where SCU, PCU and PSCU utilise physical coatings to control the release of nitrogen, MU utilises long-chain type molecules that require breakdown by microorganisms for a slow and highly regulated nitrogen release. With the microbial activity driving nitrogen release being highly influenced by soil temperature, MU thus possesses a release pattern tied directly to soil temperature which in turn generally aligns with the turf plant's temperature-driven growth needs.

AMMONIUM STABILISERS are an alternative technology that are neither true slow release nor controlled release. They work by influencing or inhibiting the microbial-driven nitrification process within the soil. Nitrates are a highly plant-available form of nitrogen; however, it is also very prone to leaching if not utilised promptly, so being able to carefully meter the rate at which it is converted into nitrates is of great environmental and economic importance. The nitrification inhibitor technology moderates the activity of certain soil microbes to regulate both the quantities and speed of the nitrification process in an effort to match availability to growth rates.



Pic. 1

CONTROLLED RELEASE POTASSIUM. MULTIPLE FORMS OF POTASSIUM are utilised across the range in the form of resin-coated, controlled-release potassium within the Black Label Pro+ fertilisers. The resin coating provides a high quality, durable coating which regulates the release of potassium to the plant over a period of 2-4 months. This ensures the plant's potassium needs are met long after application. Additionally, the potassium contained within the formulations is in the form of potassium nitrate, a unique source of potassium with many benefits to the plant and the soil environment. Potassium nitrate is the only fertiliser that provides nitrogen as NO3-, the most available form of nitrogen for plant uptake, and potassium as K+ which is the major cation in the plant.

ABOUT NUTURF



With a proud heritage of innovation and investment in people and products, Nuturf have been providing genuine solutions to Australian turf managers for over 50-years. Our vision is to be the partner of choice for Australian turf managers and your trusted advisor in turfgrass agronomy



OUR HISTORY



OUR TEAM

Our national network of qualified Territory Managers and technical support staff offer advice and solutions in plant nutrition, plant protection, seed, surfactants and colourants. Between them the Nuturf sales team share over 300 years of experience servicing the Australian turf and associated industries, with multiple current tenures stretching over 30 years.

SERVICES WE PERFORM

At Nuturf, we believe in providing meaningful solutions that yield real results. Through the provision of specialty products, developed by global leaders in turfgrass research, Nuturf partner with turf professionals around the world to deliver results every time.



For more information contact your local Nuturf Territory Manager on 1800 631 008 or visit www.nuturf.com.au

SUPPLY OF SPECIALTY PRODUCTS	TRAINING & ACCREDITATION
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Black label

NUTRITION RANGE



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Black label

NUTRITION RANGE

PREMIUM GRANULAR NUTRITION FOR AUSTRALIAN TURF MANAGERS

The Black Label range of professional granular fertilisers has been developed to accommodate the needs of turf managers in every turf maintenance scenario. Refined over many years, Nuturf's Black Label range has continuously evolved to harness the latest turf nutrition technologies available including multiple forms of controlled and slow-release nitrogen for any situation.

With three uniquely different ranges available, from Black Label, to Black Label Pro, and Black Label Pro+, the consolidated portfolio contains an array of individual formulations with a raft of features including:

- PROUDLY AUSTRALIAN MADE FOR LOCAL CONDITIONS
- MULTIPLE FORMS OF NITROGEN
- MULTIPLE FORMS OF POTASSIUM
- VARYING GRANULE SIZES FOR ANY SPORTSTURF APPLICATION
- ADDED MINOR ELEMENTS FOR PLANT HEALTH BENEFITS
- MULTIPLE FORMULATIONS TO SUIT YOUR SITUATION



Black label PRO+

The Black Label Pro+ fertilisers are the premium flagship of the Black Label range. These superior mini prill blends are developed for use in high pressure sportsturf situations where perfection is the standard.

- Coated potassium nitrate for 2-4 month controlled release
- Sustained and uniform growth response for up to 18 weeks
- Contains both MU and PCSU nitrogen release technologies
- Added iron for immediate deep greening
- Consistent 150SGN mini prill for even distribution and reduced surface disruption

PRODUCT	Product Analysis											SGN	Rate/ Ha	N Tech	K Tech	Bag Size
	N	P	K	Fe	S	Ca	Mg	Mn	Zn	Cu	B					
Black Label Pro+ Strength	22	-	19	2	3.1	-	-	-	-	-	-	150	230	PSCU 26% MU 18%	CRK 20%	20kg
Black Label Pro+ Elite	25	-	13	3	3.6	-	-	-	-	-	-	150	200	PSCU 22% MU 14%	CRK 20%	20kg
Black Label Pro+ Extend	30	-	7	1	6	-	-	-	-	-	-	150	170	PSCU 52% MU 28%		20kg



Black label PRO

The Black Label Pro fertilisers are a collection of sportsturf blends leveraging PSCU for a sustained growth response. These tried and tested analyses have formed the backbone of turf management programs for many years and are now available in a smaller prill size.

- A variety of tried and tested NPK analyses for any situation
- Contains PSCU for controlled nitrogen release
- Added iron for immediate deep greening
- Premium 200-230SGN prill size for optimised distribution

PRODUCT	Product Analysis											SGN	Rate/Ha	N Tech	Bag Size
	N	P	K	Fe	S	Ca	Mg	Mn	Zn	Cu	B				
Black Label Pro Super	30	1	5	0.18	8.6	2.6	-	-	-	-	-	200-230	165	PSCU 86%	20kg
Black Label Pro All Seasons	24	2	9	2	5.5	4.9	-	-	-	-	-	200-230	210	PSCU 65%	20kg
Black Label Pro Hi Performance	34	1	6	2	3.6	1.7	-	-	-	-	-	200-230	150	PSCU 30%	20kg
Black Label Pro Balance	22	-	18	2	3.5	0.9	0.1	-	0.01	-	-	200-230	230	PSCU 40%	20kg



Black label

The Black Label fertilisers are highly economical, ever predictable and proven options that meet a whole suite of needs in a logical manner. This range seeks to address all the fundamental requirements of turfgrass management. No fuss – just effective.

- Well-rounded no fuss formulations
- Varying nitrogen release technologies
- A broad array of controlled release options
- Standard 300-350SGN for high-cut turf situations

PRODUCT	Product Analysis											SGN	Rate/Ha	N Tech	Bag Size
	N	P	K	Fe	S	Ca	Mg	Mn	Zn	Cu	B				
Black Label Starter	18	10	9	-	8.3	-	-	-	-	-	-	300	275	PSCU 49%	20kg
Black Label All Purpose	19	-	19	1.5	12	-	1.4	0.13	-	0.13	-	350	265	PSCU 45%	20kg
Black Label Turf King	23	1	10	2.5	6.8	-	1.7	0.47	-	-	-	250	220	DMPP 95%	20kg
Black Label Uplift	28	1	8	-	7.6	0.03	-	-	-	-	-	350	185	PSCU 32%	20kg
Black Label Biosmart	23	-	4	1.5	5.1	0.9	0.1	0.7	-	-	-	350	210	PSCU 27%	20kg
Black Label Rapid	20	-	16	3	2.8	1.7	0.1	-	0.02	-	-	350	250	Urea	20kg
Black Label Hi K	14	-	24	0.2	-	5.6	2.9	-	-	-	-	200-230	200	PSCU 59%	20kg

