



MATCHPLAY Superior Liquids have been proven across premier stadiums, golf course and racetracks and continue to deliver exceptional turf surfaces. MATCHPLAY products are expertly formulated, and quality controlled to provide reliable performance, every time.



LIVING TURF[®]
Scientific Turf Management



Managing high value turf in sand profiles is where MATCHPLAY Superior Liquids first came to prominence. These biologically enhanced liquid fertilisers specifically targeted to improve the performance and durability of sports turf were first used at Canberra Stadium, over a decade ago. Word soon spread between major Australian stadium managers and distribution through Living Turf followed. The MATCHPLAY Superior Liquid nutrient technology is now available throughout Australia and New Zealand.

SOIL BIOLOGY AND ROOT HEALTH

Recent case studies support the uplift MATCHPLAY Superior Liquids bring to turf root health and in collaboration with leading Australian and New Zealand scientists, we can now measure soil microbial populations and their diversity. By establishing population data, before and after programmed applications, the development of soil microbe populations can be directly linked to turf root vigour, density and depth.

From an environmental perspective, less applied nutrient is required and in most cases there have been reduced cost of inputs, both fertiliser and chemical. Microbiologists suggest this is due to the increased efficiency in the mineralisation of soil nutrients, and subsequently reduced leachate. It has long been known that microbes are responsible for nutrient availability, and now that science comes to life, leading us as an industry towards “Better Turf Surfaces, with Less Environmental Impact”.

Interestingly, the turf management practice that does most damage to soil microbes, is synthetic fertilisation. Through education, and now field experience, Living Turf sales agronomists are skilled at nutrition programming that protects soil biology. The amount and the form in which nitrogen is supplied, is critical. Considered programming recommendations in this regard, by your Living Turf agronomist, will ensure you get the most out of MATCHPLAY Superior Liquids.



VM3 is a proprietary organic technology that enhances nutrient availability, longevity and compatibility for better turf performance. VM3 is a product of fermentation that incorporates several beneficial bacteria, trace minerals and plant stimulants such as aminos, kelps, fulvic and humic acids.



VAM (Vesicular Arbuscular Mycorrhiza) is a group of beneficial symbiotic fungi that can colonize up to 80% of the turf root mass. The fungal hyphae grow out into the soil further than the root hairs, thus enhancing access to ordinarily unavailable soil nutrients.



MATCHPLAY Superior Liquids include a surfactant to ensure even coverage.



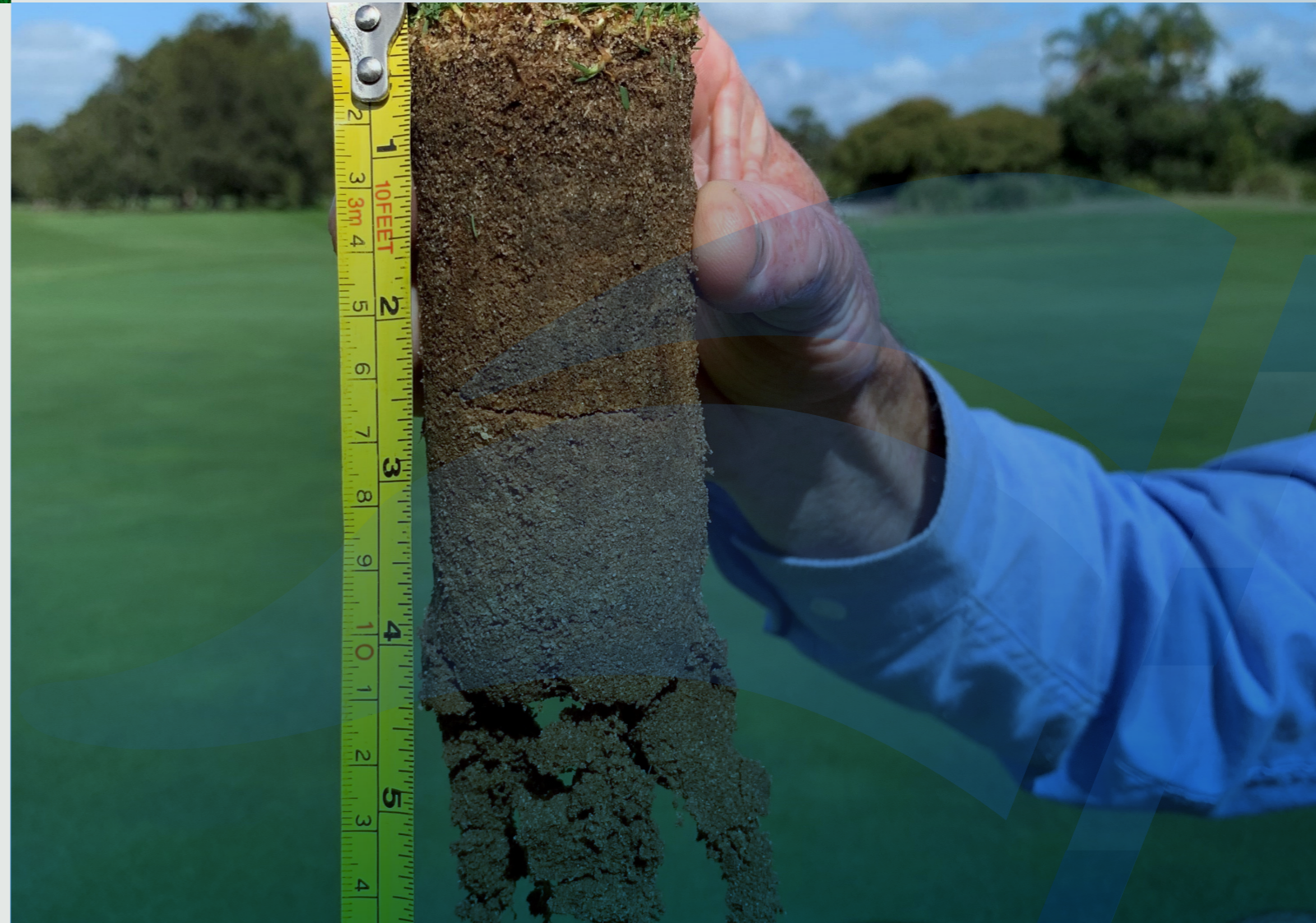
Trace elements with fulvic acids, humic acids, amino acids, kelps and sugars. This package works well together with beneficial bacteria to boost soil biology, increase soil carbon, stimulate plant growth and break down organic matter.



Beneficial bacteria to boost soil biology, increase soil carbon, stimulate plant growth and break down organic matter.



NRDT is a unique formulation of nutrients, enzymes, carbohydrates, biostimulants and trace minerals allowing better extraction and delivery of nutrients to turf.



	PRODUCT	DESCRIPTION	TECHNOLOGY	ANALYSIS	SPRING	SUMMER	AUTUMN	WINTER
MAINTAIN	MP FOUNDATION	MP FOUNDATION is the complete package formulated to boost soil biology and stimulate turf growth as well as improving availability and uptake of applied fertilisers.		1.3-1.5-1 + VM3 + VAM	Apply to growing turf to boost soil biology, build soil carbon, stimulate plant growth, break down organic matter and mineralise granular fertilisers.			Apply in low sunlight for carbohydrate energy supply.
	MP ROOTS	MP ROOTS helps turf growth during winter by providing available phosphorus as well as enhancing root development and repairing roots damaged from stress.		5-5-3 + VM3 + VAM	Apply during cool spring conditions as required.	Apply during stress for root recovery and/or during winter to supply available phosphorus for root growth.		
	MP NOURISH	MP NOURISH is the nutritional base for turf during growing months having a balanced NPK formulated with stimulants and VAM to optimise turf response and health.		10-1-11 + VM3 + VAM	Apply during growing months for balanced nutrition.			Apply in winter if potassium is required.
	MP SAFE N	MP SAFE N is the no burn liquid nitrogen with essential stimulants and trace minerals that maximises nitrogen for increased growth and colour response.		28-0-0 + VM3	Apply whenever increased growth rate is required. Supports MLSN requirements.			
	MP SAFE K	MP SAFE K is the chelated liquid potassium with kelp and humates to address potassium deficiency and mitigate stresses such as wear, drought and disease.		2-0-21 + VM3		Apply for additional potassium and/or to offset sodium in recycled irrigation water to maintain transpiration.		Apply in winter for additional available potassium.
PREPARE	MP REINFORCE	MP REINFORCE is the turf toughener containing silica (3% Si) as mono-silicic acid (MSA) to strengthen turf against wear and stress.		3% Si		Apply in summer for extra wear tolerance and turf resilience.		Apply in winter for extra wear tolerance.
	MP PROMOTE	MP PROMOTE is a concentrated inoculum source consisting of natural VAM, Pseudomonas and Bacillus, key to engineering the rhizosphere and creating an ideal environment for turf performance.		1.3-1.5-1 + Plant Guard + VM3 + VAM	Apply in spring to start growing season with beneficial soil microbes.		Apply in autumn to maintain microbial balance of beneficial microbes.	
	MP FILTER PLUS	MP FILTER PLUS is a specialised formulation with patented turf stress hormones, organic acids, and trace elements that prime turf's natural defence responses against heat, drought, cold, and salinity.		Plant hormones	Apply in late spring to help with UV stress and extra wear tolerance to improve turf resilience.		Apply in late autumn to help with UV / cold stress and wear tolerance.	
	MP MANGANITE	MP MANGANITE is a liquid manganese formulation to combat abiotic and biotic stresses by strengthening turf defence mechanisms particularly in high pH or sandy soils.		11% Mn	Apply to ensure sufficient Mn is available for plant uptake to withstand disease stress.		Apply to ensure sufficient Mn is available for plant uptake to withstand disease stress.	
STIMULATE	MP ENRICH	MP ENRICH is the unique liquid iron / manganese / zinc chelate to enhance and support chlorophyll function, delivering natural deep lasting colour and turf resilience.		1-0-0 + 5Fe + 4Mn + 3Zn + VM3			Apply in autumn and winter or when healthy greening is required. TIP: apply with growth regulator.	
	MP ENERGISE	MP ENERGISE has the unique NRDT technology which helps turf adapt to shade and environmental stress by stimulating soil microbes for enhanced nutrient mineralisation.		Plant enzymes and biostimulants		Apply in summer to stressed cool season turf to deliver enzymes, carbohydrates, biostimulants and trace minerals for better extraction and delivery of nutrients.	Apply in autumn and winter to shaded turf to deliver enzymes, carbohydrates, biostimulants and trace minerals for better extraction and delivery of nutrients to turf.	
REPAIR	MP REFRESH	MP REFRESH is the calcium and boron builder critical for cell division and cell wall strength that improves playing surface resilience to wear and stress.		10-1-0 + 10Ca + 1.5B + VM3	Apply after spring renovations to aid the recovery from environmental stresses.		Apply after autumn renovations.	
	MP KELPLUS	MP KELPLUS is the scientifically formulated tri-kelp complex (Sargassum, Ascophyllum nodosum and Laminaria) to stimulate turf root growth and aid stress recovery.		Kelp + VM3	Apply during growing seasons to increase leaf and shoot growth and speed up recovery.			
	MP VITALISE	MP VITALISE is the go-to stress management product specifically formulated with complete range of plant derived amino acids, humics, kelps and carbohydrates to support turf survival during stressful growth periods.		2.7-1-1.7 + VM3	Apply as required, programmed or responsive, to help the turf's metabolism to build energy for increased resilience and/or stimulate recovery from stress.			TOP TIP: tank mix with curative fungicides to assist with repair.

OPTIONS FOR DEALING WITH SPECIFIC SITUATIONS



SHADE



SOIL HEALTH



WEAR STRESS



ESTABLISHMENT

If turf is in shade or under cold stress, especially common in sand based profiles, add these products to your routine.

- MP FOUNDATION**
- MP ENERGISE**
- MP PROMOTE**
- MP ROOTS**
- MP VITALISE**
- MP KELPLUS**
- MP REINFORCE**
- MP FILTER PLUS**

Boosting soil biology to encourage growth and resilience of the turf.

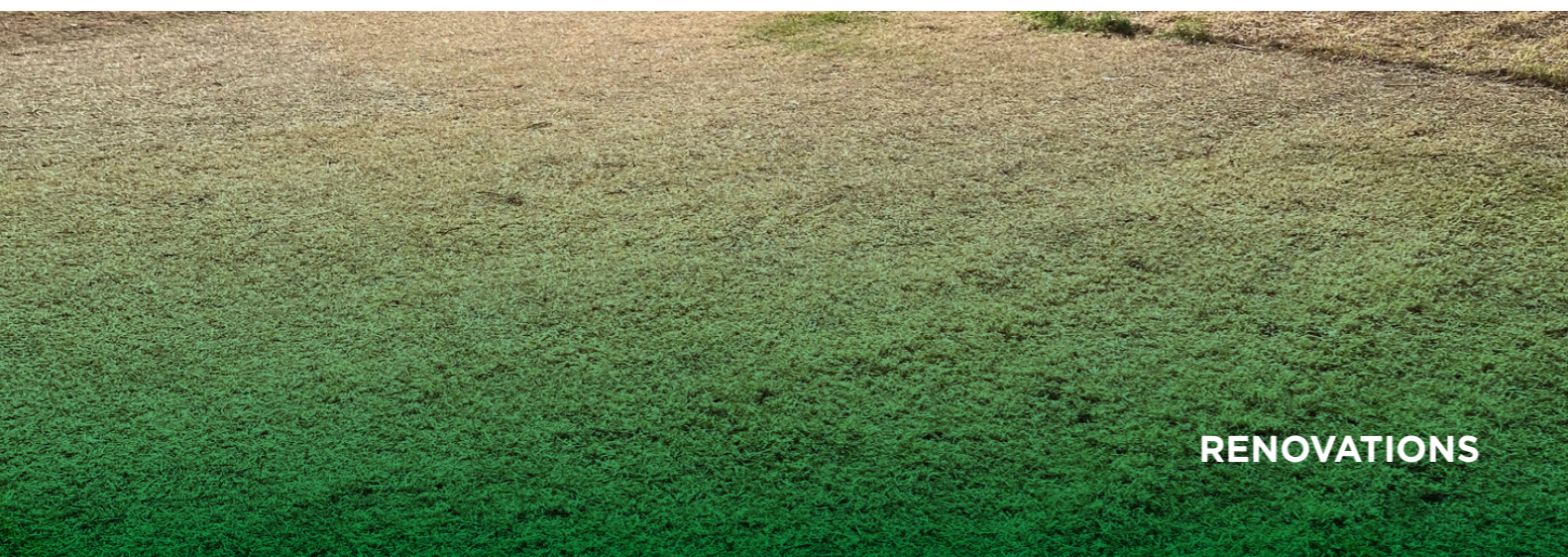
- MP FOUNDATION**
- MP ENERGISE**
- MP PROMOTE**
- MP SAFE N**
- MP KELPLUS**
- MP ENRICH**

After the season or before a stress event like a tournament or concert, strengthen the leaf, shoot and root tissue with these products.

- MP NOURISH**
- MP REFRESH**
- MP REINFORCE**
- MP SAFE K**
- MP FILTER PLUS**

Essential nutrition to set up a foundation and give your turf the best chance.

- MP ROOTS**
- MP REINFORCE**
- MP FOUNDATION**
- MP PROMOTE**



RENOVATIONS

When turf needs a little extra to promote recovery after renovations.

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|---------------------|----------------------|
| MP REINFORCE | MP FOUNDATION |
| MP ENERGISE | MP ROOTS |
| MP REFRESH | MP NOURISH |
| MP KELPLUS | MP SAFE N |
| MP VITALISE | MP SAFE K |

COMPATIBILITY GUIDE

	MP ENERGISE	MP ENRICH	MP FILTER PLUS	MP FOUNDATION	MP KELPLUS	MP MANGANITE	MP NOURISH	MP PROMOTE	MP REFRESH	MP REINFORCE	MP ROOTS	MP SAFE K	MP SAFE N	MP VITALISE
MP ENERGISE														
MP ENRICH														
MP FILTER PLUS										NO				
MP FOUNDATION														
MP KELPLUS														
MP MANGANITE										NO				
MP NOURISH														
MP PROMOTE														
MP REFRESH										NO				
MP REINFORCE			NO			NO			NO					
MP ROOTS														
MP SAFE K														
MP SAFE N														
MP VITALISE														

 **COMPATIBLE**

 **NOT COMPATIBLE**

NOTE: The programs and recommendations in this document are examples only. Programs will differ depending on sites and budgets. Please contact your Living Turf representative for more detail if required.