



# Sports Turf

## Crop Programme

MAS-Power	Use	No of applications	Timings	Rate litres/ha
MAS-Power Mg	To correct magnesium deficiency, aid the mobility and synthesis of carbohydrates to aid sward vigour and to aid in nutrient uptake control especially iron utilisation. Magnesium is a key nutrient for boosting chlorophyll performance in the leaf to maximise leaf strength and colour.	As required	Apply at first visual signs of deficiency in the mature leaves as interveinal chlorosis or from tissue analysis	3.0-5.0
MAS-Power Mn	To correct manganese deficiency, to assist the photosynthesis process to aid in the synthesis of chlorophyll and in nitrate assimilation which results in greater leaf blade quality and more rapid leaf expansion. MAS-Power Mn will cater for the demands of manganese demanding grass species varieties if root pH is high or manganese root levels are diminished	only as required	As required from analysis or from first visual signs of deficiency as interveinal chlorosis in younger leaves Repeat at 10-14 day intervals	1.0-2.0
MAS-Power KS	To maximise potassium uptake within grass without the application of nitrogen. To correct deficiency or maximise physical stress recovery. Also to aid the sward later in the season as grass prepares for lower temperatures	As required	Apply throughout the season during periods of mechanical or abiotic stress. Also apply as part of a regular programme from late summer to late autumn as a conditioner for colder conditions	5.0-15.0
MAS-Power Fe	To correct iron deficiency and maximise photosynthesis as iron plays a major role in chlorophyll (green pigment in plants), its development and its function. Iron plays a role in energy transfer within sports turf species and functions in plant restoration and overall crop metabolism. With the addition of Mas technology high quality colour can be maintain for longer periods.	As part of a regular programme	As required from tissue analysis during the growing season or at first signs of deficiency especially in early season when transpiration is low or during periods of hot weather	1.0-2.0
MAS-Power 360	To increase nutrient mobility and reduce overall stress from chemical applications, abiotic and biotic stresses. Regular applications will aid overall nutrient movement and assimilation and will support plant health and keep leaf blade quality at optimum	As part of a regular programme	As required from throughout the growing season. 360 can be applied with all pesticides and other foliar applications	2.0-3.0
Fortify	Use	No of applications	Timings	Rate litres/ha
Fortify Cu	To aid phloem mobility, correct copper deficiency to cover the copper requirements of the sward. Importantly to protect sward quality and maintain optimum development during periods of significant pathogenic pressure .	As required	As required from tissue analysis or as part of a regular programme. Repeat at 10-14 day intervals.	2.0-4.0

Crop Programme *continued*

Specialist Products	Use	No of applications	Timings	Rate litres/ha
<b>Integrate Soil Surfactant</b>	To maximise the lateral movement of water, nutrients and soil applied pesticides through the rhizosphere. Also to maximise hydrolysis to support overall quality. Integrate also has the potential to reduce water requirement yet still maintain a healthy, quality sward.	Monthly	Apply monthly from early season at the higher rate. Repeat every month at the lower rate via irrigation.	0.6-1.2
<b>Bio-Chel Ca</b>	To correct calcium deficiency and optimise cell division during period of strong growth. The calcium sources in Bio-Chel are designed to maximise uptake through root and leaf and will rapidly strengthen the walls of cuticle cells in leaf blades to protect against disease ingress and increase sward strength. The high levels of natural ligning and carbon energise rootzone for higher uptake and will support healthy root microflora.	As part of a regular programme	Throughout the season during periods of higher growth or through period of stress	5.0-10.0
<b>Reactor</b>	For use as a water conditioner, acidifier and softener which is low hazard and highly effective at maximising the efficacy of chemical applications and keeping irrigation lines free of algae, organic and limescale deposits. Reactor will acidify irrigation water to optimise irrigation water pH for greater nutrient availability without the hazard issues associated with acids.	As required	To be used in spray tank when required from early season. For use in irrigation add constantly to stock tanks and dose as normal.	Rate established by water analysis
<b>Pure Mix Fertilisers</b>	High quality soluble powders created specifically to supply the total nutritional requirements of all turf species of grass in any rootzone and soil type. Analysis can be adjusted for differing growth stages and water types.	As part of a regular programme	Use regularly as total feed throughout the growing season using different analysis	10.0-25.0kg
<b>Brix-Builder</b>	To maximise any growth process by supplying and stimulating carbohydrate production and mobility. Brix Builder will increase leaf blade number and size if applied before and during the growth periods and will aid growth during periods of poor weather or environmental conditions. Later applications will aid recovery from stress and will aid growth during the re-growth, sward thickening process	As required	To be used as required every 7 days to boost growth and carbohydrate levels for a short period	1.0-2.0
<b>Sion</b>	To boost the strength and increase the speed at which growth can be attained. Sion will aid the balance of nutrient uptake by the plant by addressing the silicon requirement thereby reducing competition for uptake against other essential elements. Importantly Sion reinforces leaf cuticle and other epidermal tissues to protect the plant from the pathogenic and pest pressure.	As required	Apply as required as part of a regular programme or when pest of pathogen pressure increases. Ideal for use throughout the season.	0.25-0.5
<b>Sentinel</b>	A foliar nutrient spray containing a unique form of available silicon + salicylic acid. The blend maximises tissue recovery from stress and mechanical damage. Also the blend with maximise the leaf cuticle reinforcement and immune system responses to protect from pathogenic and pest pressure.	As required	Apply as required as part of a regular programme or when pest of pathogen pressure increases. Ideal for use throughout the season.	0.5-1.0