



# Soft Fruit

## Crop Programme

MAS-Power	Use	No of applications	Timings	Rate litres/ha
<b>MAS-Power Mn</b>	To correct manganese deficiency, to assist the photosynthetic process by supporting assimilation of carbon dioxide, the Hill reaction and electron transport. Also to aid in the synthesis of chlorophyll and in nitrate assimilation which results in greater leaf quality	As required	As required from tissue analysis Repeat at 10-14 day intervals	1.0-2.0
<b>MAS-Power Cu</b>	To correct copper deficiency and to support photosynthesis and respiration within the plant. MAS-Power Cu will aid carbohydrate and protein metabolism and is essential in the formation of lignin in plant cell walls to contribute to the structural strength of cells, especially those involved in the formation of seeds and fruit. Late applications can aid fruit flavour, and the sugar content of berries	As required	As required from tissue analysis Repeat at 10-14 day intervals	0.25
<b>MAS-Power B+Mo</b>	To correct boron deficiency. Particularly important during fruit development, translocation of sugars and the reproductive process. Also assists with the regulation of water balance within cells. Boron is the essential nutrient for pollination, fertilisation and seed production, which are necessary for optimal berry development	3	<b>1st</b> White bud <b>2nd</b> 12-14 days later <b>3rd</b> Post harvest before leaf senescence	1.0-2.0
<b>MAS-Power Zn</b>	To correct zinc deficiency, which is essential for the production of auxins to promote healthy growth. It aids protein synthesis and the regulation and consumption of carbohydrate to support fruit development and visual quality. It is necessary for the formation of chlorophyll and influences the rate of seed and stalk maturation. Optimal levels of zinc in the tissue will enable plants to withstand lower air temperatures	3	<b>1st</b> Bud initiation <b>2nd</b> White bud <b>3rd</b> Post-harvest before leaf senescence	1.0-2.0
<b>MAS-Power Fe</b>	To correct iron deficiency and aid 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 berries and functions in plant restoration and overall crop metabolism	3	<b>1st</b> 2 weeks after planting in new crops or in once 2-3 new leaves are open in overwintered crops <b>2nd</b> White bud <b>3rd</b> Green bud if required. Then as required from tissue analysis	1.0
<b>MAS-Power 360</b>	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 quality at optimum	As required	As required from planting or production of new spring growth allow 15 days between applications	1.0-2.0
Fortify	Use	No of applications	Timings	Rate litres/ha
<b>Fortify Cu</b>	To aid phloem mobility, correct copper deficiency to cover the copper requirements of soft fruit. Importantly to protect yield and maintain crop development during periods of significant pathogenic pressure	2-4	As required from tissue analysis Repeat at 10-14 day intervals	2.0-3.0



<b>Fortify 30-20</b>	To increase the phloem mobility of nutrients when used as a regular foliar or irrigated programme. P and K are essential in healthy berry development and will support plant health and vigour. 30-20 will stimulate root development and initiation. Importantly 30-20 will stimulate phloem activity and aid crop health during periods of pathogenic pressure	4-8	As required from tissue analysis Repeat at 10-14 day intervals	2.0-4.0
<b>Specialist Products</b>	<b>Use</b>	<b>No of applications</b>	<b>Timings</b>	<b>Rate litres/ha</b>
<b>Integrate Soil Surfactant</b>	To maximise the lateral movement of water, nutrients and soil applied pesticides through the rhizosphere especially within substrate production to maximise EC balance, nutrient potential and uptake. Also to maximise hydrolysis to support overall yield and quality	Monthly	Apply every month from planting via normal irrigation. Apply at the higher rate for the first application and subsequent applications at the lower rate.	0.6-1.2
<b>Bio-Chel Ca</b>	To correct calcium deficiency and minimise calcium related disorders. To optimise cell division during flowering and the early development of fruit to support optimum yield and quality. The calcium sources in Bio-Chel will rapidly strengthen the walls of cuticle cells in leaves and fruits to protect against disease ingress and increase shelf life and storage potential. Applied post harvest it will support strong flower initiation and aid crown building in strawberries	As required	From pre bud burst through to harvest and beyond for initiation. Apply foliarly every 2 weeks. If used via irrigation, apply weekly at a rate depending upon calcium demand	Foliar 2.0-3.0 Kg Irrigated 5-15kg
<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 soft fruit in both substrate and soil production. Analysis can be adjusted for differing growth stages and growing media	As required	Use weekly as total feed from planting or early growth through and beyond harvest	20-25kg
<b>Brix-Builder</b>	To maximise any growth process by adding and stimulating carbohydrate production and mobility. Brix Builder will increase fruit number and size if applied before and during the flowering period and will aid growth during periods of poor weather. Later applications during fruit maturation will increase brix levels leading up to harvest. Post harvest applications will aid flower initiation and crown building for the next season	2-6 applications	Flower/fruit enhancement 1-2 applications. For growth apply weekly as required. For lifting brix levels apply weekly to from 3-4 weeks before harvest. 2 applications will generally be sufficient	0.5-1.0
<b>Sion</b>	A foliar nutrient spray containing a unique form of available silicon for the plant. Silicon boosts the strength of cells and increases the speed at which growth can be created so optimises overall growth potential.  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 or 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 will 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 or pathogen pressure increases. Ideal for use throughout the season.	0.5-1.0