Fruiting Vegetables

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 sugars. To support starch translocation and to aid in nutrient uptake control especially iron utilisation. A key nutrient for boosting chlorophyll performance in leaf to maximise leaf quality.	only as required	Early flower formation and at 2-3 week intervals after full flower or from visual signs of deficiency	3.0-5.0
MAS-Power Mn	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. also to support newer manganese demanding varieties.	only as required	As required from tissue analysis Repeat at 10-14 day intervals	2.0-3.0
MAS-Power Cu	To correct copper deficiency and 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 fruit.	only as required	As required from tissue analysis Repeat at 10-14 day intervals	0.25-0.50
MAS-Power B+Mo	To correct boron deficiency. Particularly important during the development of 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 fruit development.	As required	Apply before and during flowering periods as a total crop or band spray depending upon growing system	2.0-3.0
MAS-Power Zn	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.	As required	As required from tissue analysis during the growing season especially in substrate grown systems.	1.0-2.0
MAS-Power Fe	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 fruiting crops and functions in plant restoration and overall crop metabolism.	As required	Apply from first visual signs of deficiency or as part of a regular programme	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 quality at optimum	As required	As required from early season growth through harvest. MAS-Power 360 can be applied with all pesticide and other foliar applications	1.0-2.0
Fortify	**Use**	**No of applications**	**Timings**	**Rate litres/ha**
Fortify Cu	A highly advanced N:P and copper formulation which aids phloem mobility, corrects copper deficiency and most importantly supports and maintains crop yield when plants are under greater stress from pathogenic pressure.	As required	As required, repeat at 10-14 day intervals if applied foliarly. If applied via irrigation mix directly with fertiliser stock and apply weekly	Foliar 2.0-5.0 Irrigated 4.0-8.0

Crop Programme *continued*

Specialist Products	Use	No of applications	Timings	Rate litres/ ha
Integrate Soil Surfactant	To maximise the lateral movement of water, nutrients and soil applied pesticides through the rhizosphere in soils or in any substrate . Integrate will maximise root potential to increase hydrolysis to support overall yield and quality. Regular use will balance rootzone EC and will reduce the amount of water required to grow crops by up to 40 % .	Monthly	Apply every month from planting via normal irrigation. Apply at the higher rate for the first application and subsequent applicatons at the lower rate.	Northern Europe 0.6-1.2 Southern Europe 1.0-2.0
Bio-Chel Ca	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 fruit number and fruit size.	As required	From pre flowering through to harvest. Apply foliarly every two weeks. If used via irrigation, apply weekly at a rate depending upon calcium demand.	Foliar 2.0-6.0 Irrigated 5-15.0
Reactor	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 lime scale 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
Pure Mix Fertilisers	High quality soluble powders created specifically to supply the total nutritional requirements of fruiting vegetable crops in soil production. Analysis can be adjusted for differing growth stages and growing media.	As required	Use weekly as total feed from early growth through and beyond harvest	20-25kg
Brix-Builder	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 upto harvest periods	2-6 applications	Flower/fruit enhancement 1-2 applications. For growth apply weekly as required. For lifting brix levels apply weekly from 2-3 weeks before harvest. 2 applications will generally be sufficient.	1.0
Sion	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
Sentinel	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

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