Top Fruit

Crop Programme

MAS-Power	Use	No of applications	Timings	Rate litres/ha
MAS-Power Mg	To correct magnesium deficiency and aid the mobility and synthesis of sugars. To support starch translocation and to aid in nutrient uptake control especially iron utilisation. Mg is key for boosting chlorophyll performance in leaf.	2	**1st** Bud burst (if known deficiency) **2nd** Petal fall	5.0-7.0
MAS-Power Mn	To correct manganese deficiency, 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 nitrate assimilation which results in greater leaf quality.	2-3	**1st** Pink bud (from known deficiency only) **2nd** Petal fall **3rd** If necessary after 10-14 days	2.0-3.0
MAS-Power Cu	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 fruit.	As required	As required from tissue analysis Repeat at 10-14 day intervals	0.5-1.0
MAS-Power B+Mo	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 fruit development.	3-4	**1st** Pink bud **2nd** Early bloom **3rd** Petal fall **4th** Post harvest before leaf senescence	1.0-2.0
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 trees to withstand lower air temperatures especially during bloom period.	3	**1st** Bud burst **2nd** Petal fall **3rd** Post-harvest before leaf senescence	1.0-2.0
MAS-Power Fe	To correct iron deficiency and aid photosynthesis as iron plays a major role in chlorophyll (green pigment plants), its development and its function. Iron also plays a role in energy transfer within pome fruits and functions in tree restoration and overall crop metabolism.	3	**1st** Pink bud for known deficiency **2nd** 1st cover (early fruit set) **3rd** As required from tissue analysis; repeat at 7-14 day spray intervals	1.0
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 pink bud allowing 15 days between applications	1.0-2.0

Crop Programme *continued*

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 trees are under greater stress from pathogenic pressure.	As required	From tissue analysis or as part of a regular foliar programme. Apply after petal fall to harvest at 10-14 day intervals.	2.0-3.0
Fortify 30-20	To increase the phloem mobility of nutrients when used as a regular programme. Fortify 30-20 provides a strong potassium and phosphorus source which can be distributed within a plant at higher volumes. 30-20 will aid trees in maintaining yield under periods of pathogenic pressure and is ideal for the stimulation of root initiation.	6-8	Apply from petal fall at 14-21 day intervals.	2.0-4.0
Specialist Products	**Use**	**No of applications**	**Timings**	**Rate litres/ha**
Integrate Soil Surfactant	To maximise the lateral movement of water and nutrients and soil applied pesticides around the rhizosphere especially with irrigated orchards to maximise nutrient potential and root uptake. Also to maximise hydrolysis to support overall yield and quality.	4-5	Apply from early season to maximise lateral movement of water. Use every month either by spray boom to base of the tree or via irrigation drip tape.	0.6-1.2
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, increase shelf life and storage potential. Also essential nutrient to be applied during flower initiation.	As required	From early bud burst through to harvest and beyond for initiation. May be applied every 2 weeks and may be mixed with other fertilisers and pesticides unlike other calcium products.	2.0-5.0
Pure Mix 6.5-12-31+5Mgo+Te	A soluble powder created specifically created to support strong fruit production. The low nitrogen formulation makes the nutrient package ideal for use as both a foliar and irrigated fertiliser from late may until harvest.	As required	Use bi-weekly from late May until harvest.	10-20kg
Brix-Builder	To maximise any growth process by 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 reduce the possibility of biennial bearing in the following season.	6-10 applications	Flower/fruit enhancement 1-2 applications. For mid season application as required in 2 application batches. For brix levels 3 applications every 2 weeks before harvest and for biennial bearing, 2 applications post harvest.	1.0
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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