



Cider Fruit

Crop Programme

MAS-Power	Use	No of applications	Timings	Rate litres/ha
MAS-Power Mg	To correct nutrient deficiency and aid the mobility of sugars and sugar synthesis. Also to support starch translocation and aid in nutrient uptake control especially with the increase of iron utilisation. Magnesium is also key boosting chlorophyll performance.	As required	Early bud formation and at monthly 4-6 week intervals after petal fall	5.0
MAS-Power Mn	To correct micronutrient deficiency, to assist the photosynthesis process by aiding assimilation of carbon dioxide supporting the Hill reaction and stimulating electron transport. Manganese also aids in the synthesis of chlorophyll and in nitrate assimilation which results in greater leaf quality.	3-4	1st pink bud 2nd petal fall 3rd from tissue analysis recommendation. Late season post harvest before leaf senescence.	2.0-3.0
MAS-Power Cu	To correct micronutrient deficiency. Copper is also a catalyst in photosynthesis and respiration within the growing tree. It is important in carbohydrate and protein metabolism and is essential to the formation of lignin in plant cell walls which contributes to the structural strength of fruit. Late applications can aid fruit flavour, the storage ability, and the sugar content of fruits.	As required	Pre bud burst applications will aid reduction in pathogen infection from the previous year. Further application as required from tissue analysis. Repeat at 10-14 day intervals	0.25-0.5
MAS-Power B+Mo	To correct micronutrient deficiency as boron is particularly important in the development of fruit and foliage, translocation of sugars and reproductive processes. It assists with the regulation of water balance within cells. Boron also helps to maintain the balance between sugar and starch within the tree which is essential in pollination and seed production.	3	1st White bud 2nd 12-14 days later 3rd Post harvest before leaf senescence	1.0-2.0
MAS-Power Zn	To correct micronutrient deficiency as zinc is essential for the production of auxins, which in turn essential for healthy extension growth. It aids protein synthesis and is involved in the regulation and consumption of sugars. It also influences the rate of seed and stalk maturation and aids starch formation and root development. Adequate amounts of zinc in the tissue enables them to withstand lower air temperatures.	3	1st Bud Burst 2nd White bud As required from tissue analysis during the growing season and 1-2 application post harvest before leaf senescence	1.0-2.0
MAS-Power Fe	To correct micronutrient deficiency and aid photosynthesis as Iron plays a major role in chlorophyll (green pigment plants) its development and its function. It plays a role in energy transfer within cider apples and functions in tree restoration and overall crop metabolism.	3+	1st White bud 2nd Petal fall Further applications from tissue analysis recommendation	1.0-2.0
MAS-Power 360	To increase nutrient mobility and reduce overall stress from chemical applications, abiotic and biotic stress. Also works as a general health booster and keeps leaf quality high.	As required	As required from early bud growth through to harvest. Can be applied with all pesticide applications	1.0-2.0

Crop Programme *continued*

Fortify	Use	No of applications	Timings	Rate litres/ha
Fortify Cu	A highly advanced copper formulation which aids phloem mobility, corrects copper deficiency and most importantly supports crops 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 from pre bud burst to post harvest. Avoid applications direct to open flower	2.02.5
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 supports crops during periods of pathogenic pressure and is ideal for the stimulation of root initiation.	4-8	As required from tissue analysis Repeat at 10-14 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 soil applied nutrients around the rhizosphere especially during the irrigation period to maximise nutrient potential and root uptake. Also to maximise hydrolysis to support 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 deficiency and minimise calcium related disorders. To maximise cell division and cell elongation during flowering and the early development of fruit to maximise yield and to strengthen cell wall development for strong fruit growth and extend storage period post harvest. Also to stimulate enzyme activity and when applied to soil aid regeneration of roots throughout the season. In late season to support flower initiation.	As required	From early bud burst through to harvest and beyond for initiation. May be mixed with other fertilisers and pesticides unlike other calcium products	2.0-3.0kg
Pure Mix 6.5-12-31+5MgO+Te	A soluble powder created specifically to support strong fruit production. The low nitrogen formulation makes the nutrient package ideal for use as both a foliar fertiliser and a irrigated fertiliser from late may until harvest.	As required	Use bi-weekly from late May until harvest	10-20kg
Brix-Builder	To maximise any process by adding and stimulating carbohydrate production and mobility. Will increase fruit number and size early in the season, will enhance growth mid season and during periods of poor weather and will increase brix levels if used leading up to harvest. Also to minimise the risk of biennial bearing.	6-10 applications	Flower/fruit enhancement 1-2 applications. For mid season application as required in 2 application batches. For brix levels 3 applications before harvest and for biennial bearing 2 applications post harvest	1.0
Mas-AS	For use as the ultimate is stress relieving foliar sprays to aid the crop with any stress related issue and to maximise water potential in crop and fruit. Ideal to mix with every foliar application. Also for use as a dormancy breaker early season.	As required	Apply with all foliar applications	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