

CIDER
Aromatic Cider

VARIETY	TYPE OF WINE
Heirloom or Modern Apple	Aromatic Cider Production
PROBLEM(S)	OBJECTIVE
Fermentation Off Aromas Hydrogen Sulfide	Cider fermentations can be controlled to promote aromatic and vibrant ciders through minimizing oxidation, selecting aroma producing yeast, providing sufficient nutrition throughout and managing microbial contamination with Stab Micro M. To limit production of off-aromas, it is important to stagger nutrient additions both at inoculation and again at 1/3 fermentation, which has been shown to decrease hydrogen sulfide production. Analysis throughout production stages help build consistency

WINEMAKING STAGE	OBJECTIVE	ENARTIS RECOMMENDATIONS	DOSAGE
Juice Transfer to Fermenter	Microbial Protection	Enartis Stab Micro M: Pre-activated chitosan, purified yeast hulls. Reduce spoilage microbes like <i>Brettanomyces</i> , <i>Acetobacter</i> , <i>Lactobacillus</i> and <i>Pediococcus</i>	10 g/hL
	Clarification	Enartis ZYM RS: Enzyme for clarification and to aid filtration. Focused pectinase, polygalacturonase, cellulase and hemicellulase side activities	5 mL/hL
	Tannin	Enartis TAN Blanc: Gallic tannin for protection from oxidation and to aid clarification and filtration	10 g/hL
Inoculation	Complex Nutrient	Nutriform Arom Plus: Aroma enhancement during primary fermentation. Strengthen yeast to minimize off aromas and enhance aroma production	20 g/hL
	Yeast { Select One }	Enartis FERM WS: Clean fermentation across cider styles, increased cultivated apple variety aroma	25 g/hL
		Enartis FERM AMR-1: Intense aromatic expression to enhance apple flavor	25 g/hL
1/3 Sugar Depletion	Fermentation Nutrient	Nutriform Advance: Nutrient providing complete nitrogen balance to reduce H ₂ S production, provide detoxifying survival factors and ensure complete fermentation	20 g/hL
Post Fermentation	Antioxidant	Winy: Pure, high quality potassium metabisulfite. Microbial and oxidation protection	5-9 g/hL will add 30-50 ppm SO ₂
		Effergran: Effervescent granulated potassium metabisulfite. Requires zero tank mixing after addition!	7-13 g/hL will add 30-50 ppm SO ₂
	Microbial Protection	Enartis Stab Micro M: Removes spoilage microbes such as <i>Brettanomyces</i> , <i>Acetobacter</i> , <i>Lactobacillus</i> and <i>Pediococcus</i> . Helps boost aromatics and protect until packaging	5-20 g/hL Maximum addition 20 g/hL

The above is achieved to the best of our knowledge and experience.
 The industrial application of the advice provided does not imply any responsibility on the part of our company.