What to Test and When

When Testing by Process Stage Application by Test Type Harvest рΗ Brix harvest - for optimum ripeness (w/ TA, Brix) Hq pre-fermentation - to optimize yeast fermentation TΑ pre-MLF - to optimize growth of desired MLF bacteria taste post-MLF- to determine proper sulfite additions tannins maturation - to determine proper sulfite additions pre-bottling - to prevent premature/excess aging Soak Free SO2 - whites **Titratable Acidity** D-Lactic Acid Harvest - for optimum ripeness (w/ pH, Brix) post-fermentation (whites) - to adjust for proper taste balance post-MLF(reds) - to adjust for proper taste balance **Primary Fermentation** maturation - to correct for acidity losses during aging pre-bottling - to ensure taste balance (don't bottle immediately after adj.) Hq Nitrogen Specific Gravity **Residual Sugar** Residual Sugar fermentation - to determine completion of dry wine fermentations Titratable Acidity D-Lactic Acid L-Lactic Acid Secondary Fermentation - MLF MLF - to confirm the start of MLF pН L-Lactic Acid Temperature **Malic Acid** pre-MLF - to estimate loss of acidity during MLF (w/ dilution of sample) Malic Acid MLF - to monitor for stuck MLF D-Lactic Acid MLF - to determine completion and time to add sulfite Titratable Acidity Free SO2 **Maturation - Start** to confirm proper addition during cold soak (whites) post fermentation (whites) - to confirm proper addition Ηα Free SO2 post MLF (reds) - to confirm proper addition (>50% becomes bound) TΑ maturation - to determine need for replacement due to oxidation, binding D-Lactic Acid **D-Lactic Acid Bottling** must - to determine excess contamination pН fermentation - to check for growth of unwanted lactic bacteria, especially Titratable Acidity with sugar present and a stuck fermentation

MLF - - to check for growth of unwanted lactic bacteria

maturation - - to check for growth of unwanted lactic bacteria

D-Lactic Acid

Free SO2

Alcohol