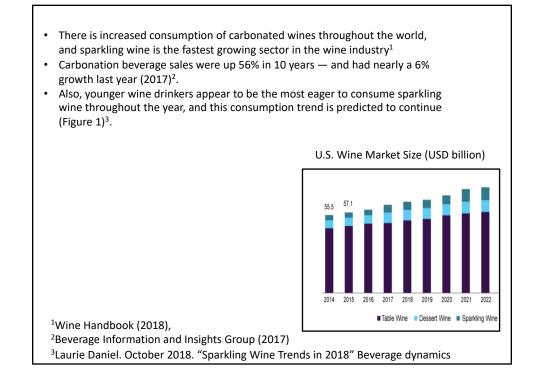
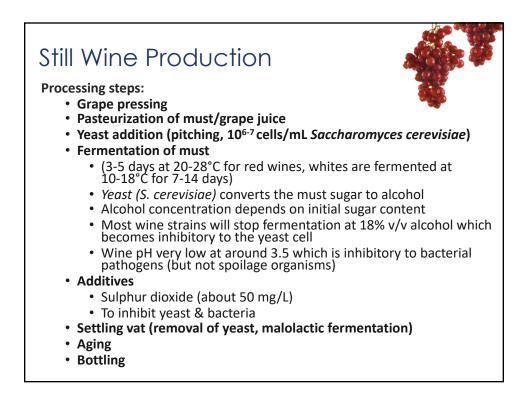
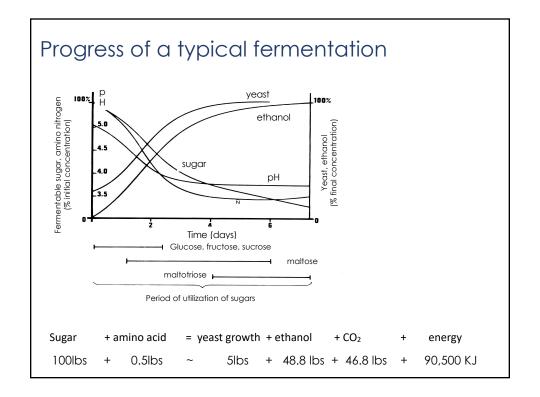


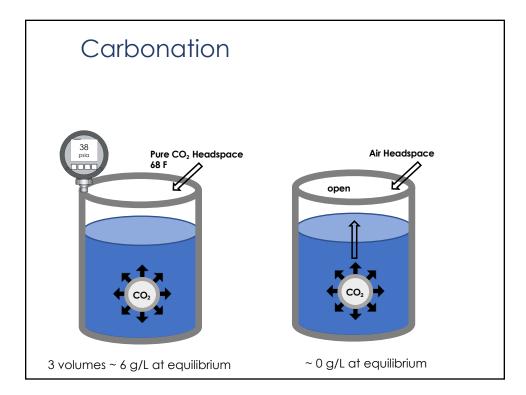
 Nearly 1.6 million gallons of wine were produced in the state of Florida during 2017¹ At ~ 21 million people - less than a bottle per person Only a fraction of Florida wineries produce carbonated wine products 							
US / California Wine Production							
California produces an average of 81 percent of total U.S. wine production.							
(In gallons)							
	Year	California*	U.S.*				
	2017	716,309,505	888,582,343				
	2016	680,272,512	806,447,891				
	2015	638,173,762	768,088,776				
	2014	709,647,220	835,468,643				
	2013	728,939,759	836,106,493				
	2012	662,818,311	752,431,183				
	2011	605,619,613	683,623,267				
	2010	606,448,660	677,490,922				
https://www.wineinstitute.org/resources/statistics/article83							
¹ Alcohol Tobacco Ta	Alcohol Tobacco Tax and Trade Bureau (TTB)						

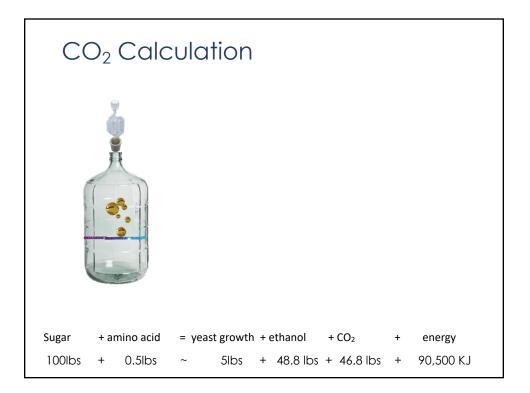




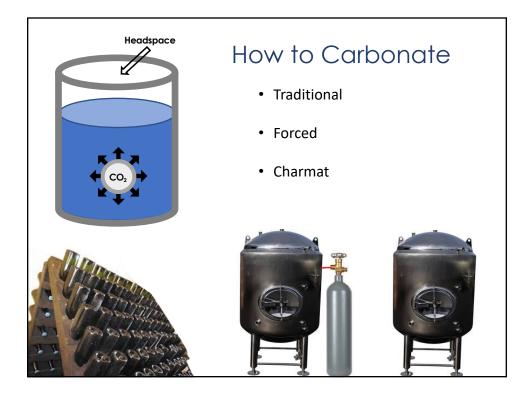








С	Carbon Dioxide is often present to some degree in "still" wine								
		Pressure	~ CO2 @ 20°C	EU Excise Duty					
	Still	< 1 bar	<2 g/l	Still					
	Semi Sparkling	1 to 2.5 bar	2 to 5 g/l	Still					
	Sparkling	3 bar +	> 6 g/l	Sparkling					
•	 Highly implicated in the still wine flavor profile. Beguits in clightly elevated origity. 								
•	 Results in slightly elevated acidity. "A bit of CO₂ helps to preserve the wine a little, so you can lower sulphur dioxide (SO₂) levels fractionally." 								
•	 CO₂ becomes perceptible to the human palate at around 1g/L as a slight spritz on the tongue, 								
•	 At around 2g/L wine is legally semi-sparkling (see above). ¹Geoff Taylor, Corkwise writter Source: Wine and Spirit Trade Association 								





Traditional

Pros: Provides the perceived highest quality sparkling wine products

Cons: Labor intensive Long maturation period ~ 6 months to 5 years

Forced Pros:

Can decrease the wine temperature or apply higher pressures to get faster/higher desired carbonation levels

Easy to receive desired carbonation level

Inexpensive and quick ~ 2-3 days

Cons: Requires CO₂ tank

Associated with a lack of quality



Charmat Pros:

Potential unique characteristics with muscadine grape wines

Shorter aging & less labor required than traditional method

Larger quantities produced

Cons: Require extra step: Filtering

Temperature restricted for yeast reproduction

Yeast may cause off flavors if not properly filtered

Sulfites or other antimicrobials in wines will inhibit this process





