WINE

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Ancient Origins (6000 BC –500 BC)

Caucasus(高加索)

Modern Georgia(格鲁吉亚), Armenia(亚美尼亚) and Iran are considered the origins of wine. Archaeological discoveries have detected wine composition in the remains of clay pots dating back to 6000 BC

Egypt

The murals in the tombs of the Egyptian pharaohs show the process of viticulture and winemaking, wine as a religious ritual and a noble drink.

Ancient Greece

Wine became central to Greek culture and was closely linked to the cult of Dionysus (酒神) The Greeks improved their winemaking techniques and broadened viticulture to the coast (e.g., Italy, southern France).

Office PLUS POWERPOIN

Golden Age of the Roman Empire (500 BC – 500 AD)



The Romans perfected viticulture (such as grafting techniques), oak barrel aging, and established systematic vineyard management. Therefore, viticulture was introduced to France, Spain, and Germany, laying the foundation for the European wine map. At the same time, wine is used in the Christian ritual, giving it a sacred meaning in order to remember the sacrifice of Christ

Globalization of Great Navigation (15th – 18th centuries)

Modern Crisis and Revival (19th – 20th centuries)

Spanish missionaries brought grapes to the Americas, and the Dutch, planted grapes in South Africa, beginning the history of wine in the New World.



In 1863, phylloxera (根瘤蚜 虫) was introduced to Europe from the Americas, destroying 90% of vineyards, which was eventually solved by grafting American rootstocks. Australia, California, Chile and other regions have used industrial production and technological innovation to challenge Europe's traditional position.



Modern Diversification (Late 20th – 21st Century)

Scientific winemaking: temperature-controlled fermentation, stainless steel barrels, and microbiological research to improve quality stability.

New Style Exploration: The Rise of Garage Wine and Natural Wine



5 steps from grapes to wine

The Harvest

Crush and Pressing

Fermentation

Clarification

Aging and Bottling

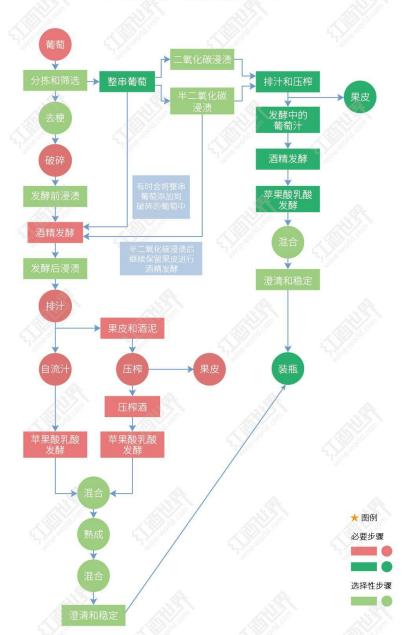
Reference:

[1] Wine world, zhuanlan.zhihu.com/p/108279979#, 2020.2.21

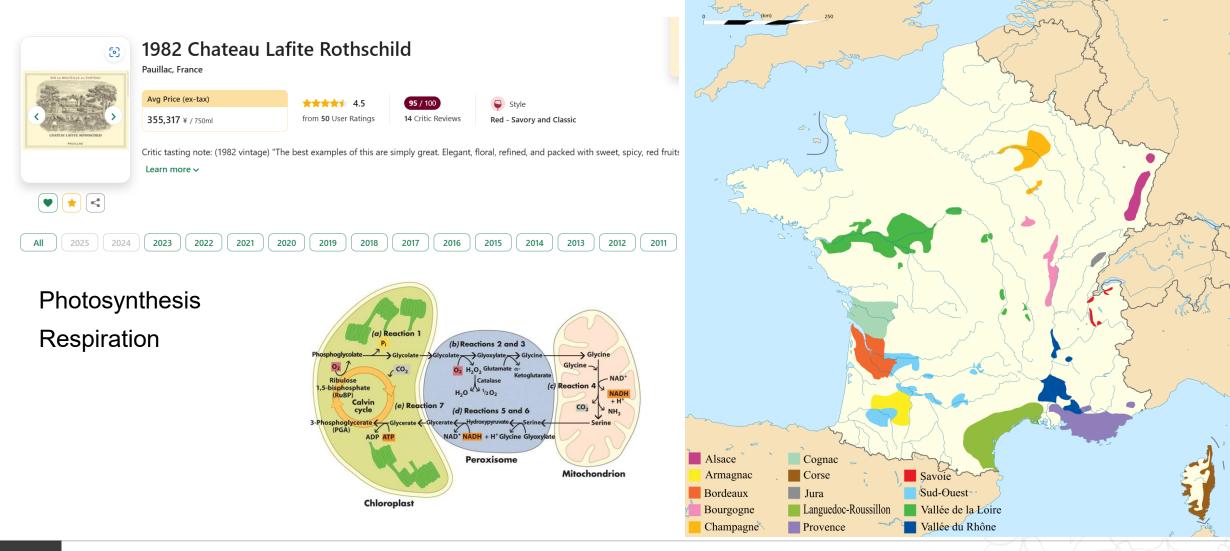
[2] www.winemonthclub.com/the-wine-making-process



红葡萄酒酿造流程图



The Harvest: Why does 1982 Lafite hit the headline?



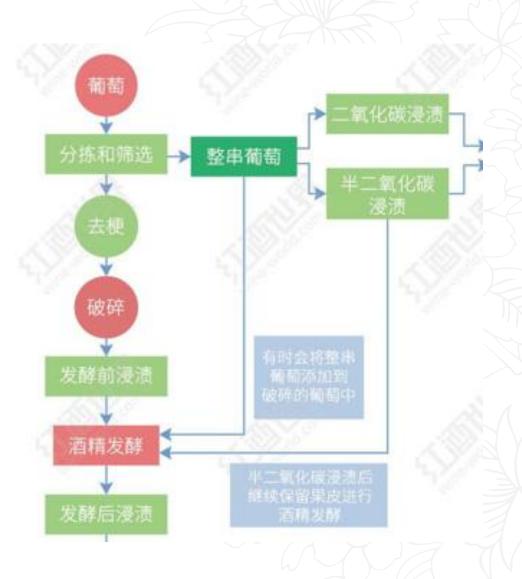
Reference:

[1] Archimatth - File: Vignobles_France.svg, CC BY-SA 2.5, https://commons.wikimedia.org/w/index.php?curid=37093378

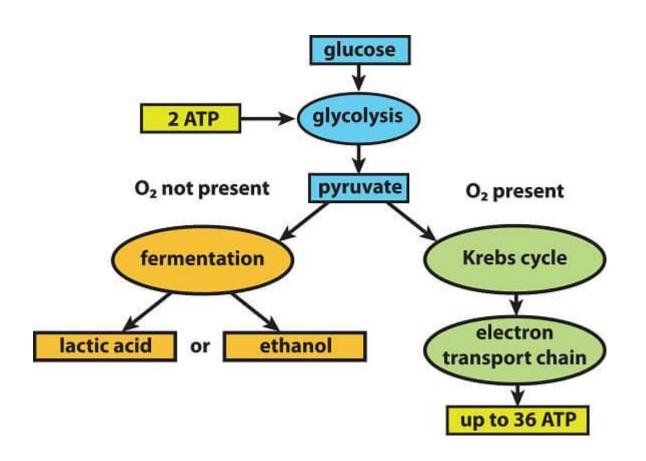
Crush and Pressing: Tech differs, favor varies.

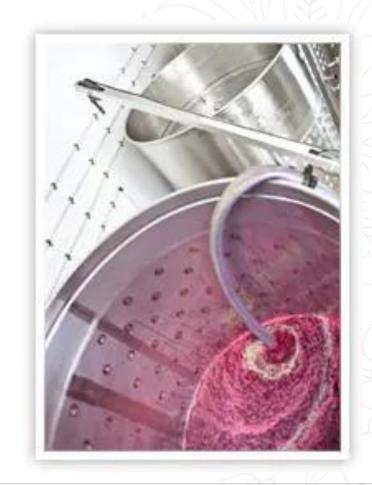
Impregnation: CO2 or half-CO2

The whole bunch of unbroken grapes is placed in a fermentation tank, and then carbon dioxide is injected to expel oxygen, triggering fermentation in the fruit. When the alcohol concentration in the fruit reaches 2%, the skin gradually cracks and the grape juice flows out.



Fermentation: The Magic of Yeast



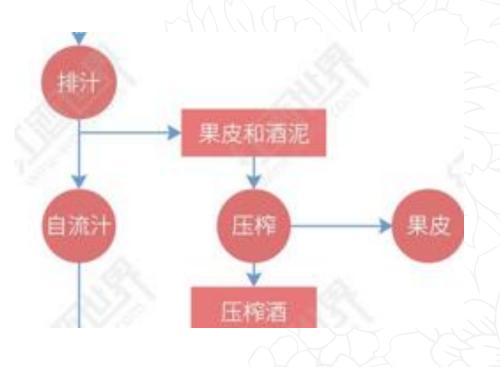


Reference:

[1] https://biologydictionary.net/wp-content/uploads/2021/01/1-4.jpg

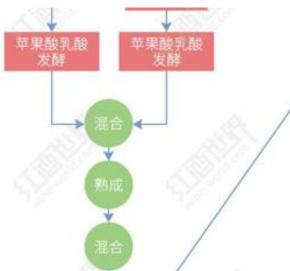
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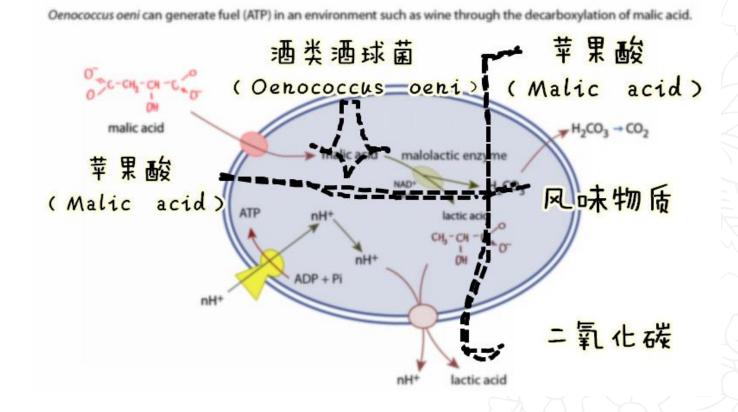




Aging and Bottling: Malic and lactic acid fermentation









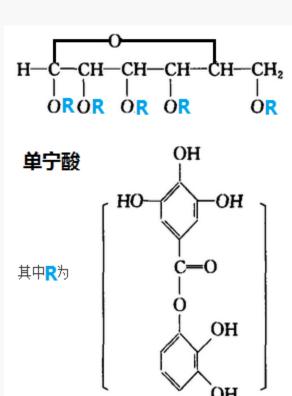
D f f i c e P L U S

Tannins单宁

Tannins are natural polyphenolic compounds found in grape skins, seeds, and stems.

Main flavor: Dry,

astringent



Tastes

02

Intensity

Robust强劲/Soft

Eg. Sauvignon 赤霞珠/

Merlot梅洛

Texture

Velvety天鹅绒/ Coarse 生涩如砂纸(unripe)



Domaine de la Romanée-Conti(罗曼尼·康帝)

Quality Hallmarks:

- •5,000-bottle annual yield (3 vines/bottle)
- •Silken tannins丝绸质感单宁evolving from violet紫罗兰→ truffle 松露



Technical Mastery:

- •18th-century manual grape treading (4 times /day)
- Precision maceration control (tannin optimization)

Château Lafite Rothschild(拉美)

Quality Hallmarks:

- •Cabernet Sauvignondominant blend赤霞珠混 酿
- •20+ year aging potential陈年潜力 (sandalwood/mineralogy balance檀木/矿物质平衡)



Technical Mastery:

- •Thermoregulated fermentation (28-30°C stainless steel)
- •Dual pump-over cycles 双次淋皮技术 (anthocyanin enhancement)

Pétrus(帕图斯)

Quality Hallmarks:

- •100% Merlot梅洛 "liquid velvet天鹅绒" texture
- •Dark chocolate & truffle松露



Technical Mastery:

- •Proprietary yeast + 28day maceration 浸渍
- Oak chip microoxygenation

Penfolds Grange(葛兰许)

Quality Hallmarks:

- •Multi-regional blend混 酿innovation
- •American oak fermentation美桶发酵 (vanilla/coconut signature香草/椰奶调 性)



- •Dual-strain yeast succession (EC1118 → RC212)
- •Glycosidase activation = in oak橡木桶糖苷水解 强

The secret to top wine quality is:

- Using special grapes from specific places
- Controlling the fermentation process very precisely
- Mixing old and new winemaking techniques



