



WINE PRODUCTION IN CHILE

117.559 Has

88.703 Has / red

28.856 Has / white

Estimated Production: 1.200.000MM litres

EMILIANA WINE PRODUCTION

Emiliana

Lilillalla	8.5MM Kg
Producers (13)	532 has 4.0MM Kg
Total	1374 has

2/12 has

12.5MM Kg

Emiliana Millestone





First Chilean winery in adding the variety on the labels.

First Chilean winery and 7th worldwide to receive the **ISO 14001** certification. Our organically grown grapes are certified by IMO Switzerland.

Gê was the first wine in Latin America to be certified biodynamic by **Demeter** Germany.



10 years of sustainable viticulture.

IMO Fair For Life certifies Emiliana's fair trade practices.

1986 1988 1998

2001

2003

2005

2007

2008

2009

2011

"Viñedos y Bodegas Santa Emiliana S.A." was founded.

Beginning of organic & biodynamic agriculture implementation.

The company changes its name to "Viñedos Emiliana S.A."

The first organic wines are introduced in Chilean market: COYAM & NOVAS.



COYAM 2001 (1st harvest), obtained "Best in show" & "Best Blend" in the First Annual Wines of Chile Awards.



IMO For Life certifies Emiliana's Social Responsibility, good working conditions and a transparent and fair organization. "Los Robles" estate receives Carbon Neutral certification.



COYAM becomes the second biodynamic certified Chilean wine.

ELQUI Coquimbe LIMARÍ Ovalle CHOAPA Illapel ACONCAGUA las Andes CASABLANCA Valparaiso Casablanca Santiago SAN ANTONIO & LEYDA San Antonio MAIPO Rancagua CACHAPOAL San Fernando RAPEL VALLEY Curicó CENTRAL COLCHAGUA VALLEY CURICÓ MAULE Talcahuano Chillan' ITATA Los Angeles BIO BIO MALLECO PACIFIC OCEAN Temuco











WINE FERMENTERS

Oak

Vinification in oak can produce woody, toasty or vanillin aromas that are not desirable in every case.

Stainless Steel - Inox

Making wine in stainless steel, meanwhile, can deprive it of the bouquet and tannin-ameliorating effects of a measured oxygen exposure, sometimes obliging winemakers to use artificial micro-oxygenation.



The porous clay-cement walls allows for natural oxygenation without oakiness.







CONCRETE FERMENTERS

History

The ancient "Georgian" (8.000 BC) practice of fermenting and aging wine in "Kvevri" (earthenware/pottery) never left. Then the Romans during the Etruscan civilization used cement containers (280 BC) with the same purpose.

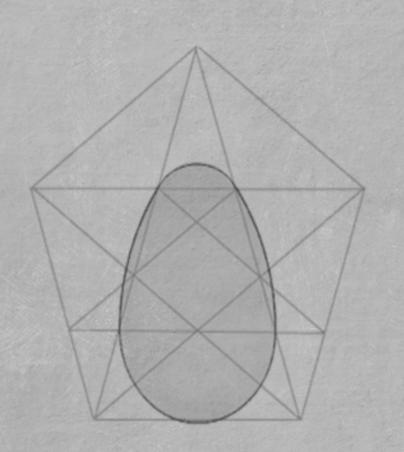


The Rebirth

The first egg-shaped, concrete fermentation vessel was commissioned in 2001 by Michel Chapoutier, following discussions with French vat manufacturer Marc Nomblot, whose company has been making concrete wine vats since 1922. Chapoutier asked Nomblot to produce a prototype for him based on two years of research.







The Creation

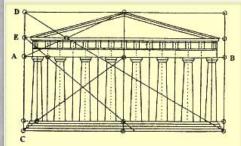
- The eggs vessel are made following the regulating lines of the golden number, 1.61803 a 'precious jewel, "the astronomer Johannes Kepler (XVII century).
- Using the number of gold Ptolemaic reiterates the perfect geometric shape egg: $\tau = \frac{1}{2} (\sqrt{5} + 1) = 1.618033989$

The Golden Number

- The golden number (divine proportion), discovered in antiquity, and represented by the Greek letter φ (fi).
- It is an irrational algebraic number (decimal nonrecurring infinity). Its symbol is the first letter of Greek sculptor Phidias (430-490 BC).







$\sqrt{\varphi^{2} + 1}$ $\sqrt{\varphi^{2} + 1}$ $\sqrt{\varphi}$ $\sqrt{\varphi^{2} + 1}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$ $\sqrt{\varphi}$

The Magic of the Number

This ratio is found in the human body (ratio of the distance from the shoulder to the fingers and the distance from the elbow to the fingers, the relationship between the first metacarpal and phalanx, or between the first and second or between the second and third, relationship between the diameter of the mouth and nose etc)

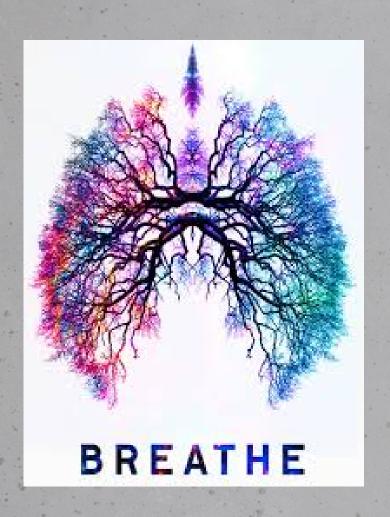
The ratio works for architecture (Parthenon) or other arts (drawing by Leonardo Da Vinci "Man of Vesuvius" to illustrate the book De Divina Proportione mathematician Luca Paciolli published in 1509).



Concrete is Cool

- Concrete can take the heat, or the cold.
 It's a natural insulator and will stabilize the temperature of whatever is inside of it.
- This stability makes for a smooth and gradual fermentation, because there are no temperature spikes to make the yeast become aggressive.





Just Breath

Concrete is porous, albeit on a microscopic scale, and that's where it beats stainless steel. The environment in stainless steel is too perfect to be ideal for fermentation. Without a gradual introduction of microoxygenation, the wine remains flat. It cannot breathe and evolve.

Staying Neutral

- You know that even neutral oak is not neutral, all oak will give a bit of itself to the wine, whether you like it or not.
- Concrete makes for a truly neutral vessel, imparting only a slight and desirable minerality.

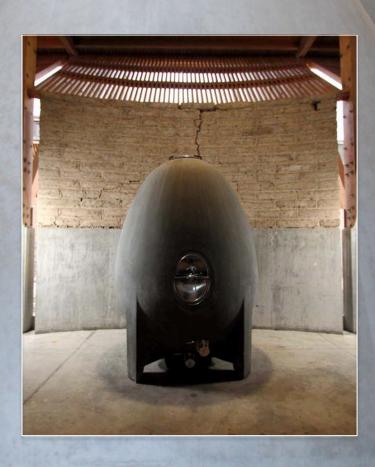




Always in movements

The ovoid tank takes advantage of the micro-oxygenation that is made possible by the clay-cement material. Inside the "egg", the wine is continuously in movements because all fluids rise when temperature increases, and do so in a vortex, but in a barrel or other container, the vortex is slowed by the angles.

EGG-FERMENTERS ADVANTAGES

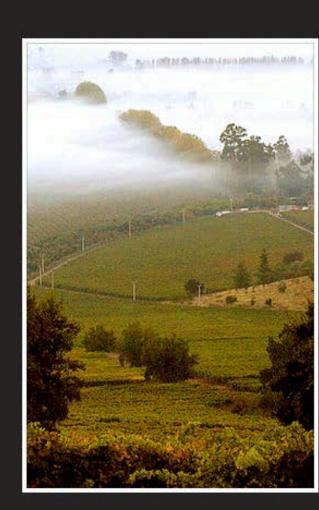


- Is an insulating material opposite the stainless steel that is conductive.
- The temperature control is achieved with little expenditure of energy allowing more cold fermentations that favor higher flavor retention.
- Particular advantages for native yeasts or spontaneous fermentation that is more sensitive to thermal shock, that contributes to softer and longer fermentations.
- Porous material that allows the wine to breathe, both during fermentation and aging.
- The internal temperature differences of the eggs vats generate a smooth vortex which creates a helical motion that raises the mannoproteins released by yeasts keeping them in contact with the wine, delivering weight and fat mouth feel.
- No wood flavors input.
- Mayor aromatic purity with clear reflection of the terroir and minerality characteristic.
- Low volatile acidity
- The shape of the vats makes much of the hat is submerged most of the time.
- Virtually no evaporation losses.

VALLEYS & VARIETIES

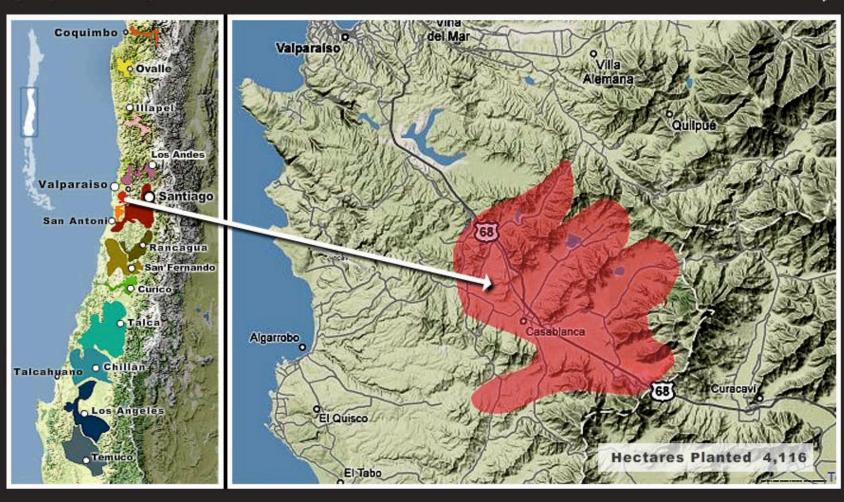
CASABLANCA

- Located 60 kms north West of Santiago.
- One of the world's great 'cool climate' regions.
- Mediterranean climate with marked maritime influence. 450mm / 17.7 in of rain per year.
- · Soils: clay and sandy soils.
- Terrific results: Proximity to the ocean creates cool foggy mornings ideal for top quality Sauvignon Blanc, Chardonnay, and Pinot Noir.



VALLEYS & VARIETIES

CASABLANCA





YIELD PER HECTARE: 4 tons, 20 Hl.

HARVEST: Manual, from April 27 to May 16, 2014.



D.O: Casablanca Valley

VARIETY: 97% Syrah, 3% Viognier.

VINEYARDS: : Fundo Casablanca, sector La Quebrada vineyard, foothills of the Coastal Range, Blocks 16 and 27.

VINEYARD DESCRIPTION: Located 380 m.a.s.l. and vertically positions, the vineyards have a northeast-southwest orientation. Clone 174 grafted onto SO4. Drip irrigated.

PLANTATION YEAR AND DENSITY: 2002 year of plantation; 4,000 plants/hectare.

YIELD PER HECTARE 4.5 tons, 24 Hl.

SOIL: Granitic colluvial origin. Deep soil with low clay content, sandy-loam texture, and slightly acidic pH (6.1-6.3). It is low in organic matter (1.7%), with moderate fertility and low salinity.

CLIMATE. The 2012–2013 season presented average maximum temperatures that were slightly higher than those of the previous season. Lower precipitation with a total of 260 mm concentrated in the winter, followed by a very dry spring and summer, which encouraged fruit set. Harvest came early and the grapes were healthy due to high temperatures and the absence of rainfall, although some dehydration was observed in the grapes due to high luminosity. The wines obtained present a slightly higher alcohol level and lower acidity than in past years due to the high temperatures.