

An aerial photograph of a lush vineyard with rows of grapevines stretching across a valley. In the background, there are large, forested mountains under a clear sky. The text is overlaid on the center of the image.

OUR
8 COMMITMENTS

- to the Planet -

EMILIANA
ORGANIC  VINEYARDS

OUR COMMITMENT # 1

HEAL THE EARTH THROUGH ORGANIC AND BIODYNAMIC AGRICULTURE

OUR ORGANIC AND BIODYNAMIC PRACTICES

- ✓ Use of covercrops
- ✓ Preparation and use of compost & compost tea
- ✓ Agricultural and enological supplies from natural sources
- ✓ Biodynamic preparations
- ✓ Biological corridors and protection of biodiversity areas

- ~~✗ Chemical pesticides~~
- ~~✗ Herbicides (ex glyphosate)~~
- ~~✗ GMOs~~

OUR 2020

22 years leading organic viticulture and winemaking

1.212 | Organic hectares

738 | Own organic and Biodynamic Hectares

474 | Organic hectares from small producers

 8.710.579 LITRES OF ORGANIC WINE SOLD

OUR CERTIFICATIONS



CHILE



JAPAN



EUROPE



SOUTH KOREA



BRAZIL



CHINA



USA



MEXICO



CANADA



DEMETER BIODYNAMIC

OUR COMMITMENT # 2

RESEARCH AND DEVELOPMENT TO IMPROVE ORGANIC PRACTICES

OUR 2020

CLP\$145 MILLION
INVESTED IN RESEARCH

CLP\$21 MILLION
RECOVERED BY THE R&D LAW
(FISCAL YEAR 2019)

PROJECTS



**IMPROVEMENT OF THE
COMPOSTING PROCESS**
(Collaboration with Cono Sur and
Concha y Toro, with support from CORFO)



**INCREASE OF ASSIMILABLE
NITROGEN IN OUR GRAPES**



**DETERMINATION OF NATIVE
YEASTS DURING FERMENTATIONS**
(with support from ANID)



**EVALUATION OF BIODYNAMIC
APPLICATIONS**



**SOIL HEALTH AND QUALITY
EVALUATION**



**REDUCTION IN THE USE OF
SULFUR IN VINEYARDS**

CONSERVING THE BIODIVERSITY IN OUR VINEYARDS

IN ORDER TO PROTECT AND PROMOTE EMILIANA'S
FLORA AND FAUNA, AS A TEAM WE WORK TO:

Protect the most valuable areas



OF BIODIVERSITY

622 hectares destined
for the conservation of
NATIVE FLORA AND FAUNA

Create **BIOLOGICAL**
CORRIDORS and



hedgerows within our vineyards

Propagate **NATIVE FLORA**

in our nursery in
Los Robles estate



Study the role of **MICROBIAL**



DIVERSITY (fungus
and bacteria) in the
elaboration of our wines

OUR 2020

- It was possible to find 163 different species of native flora in our fields.
- 586 new native trees and bushes (30 distinct species) were planted in biological corridors
- 1,033 different yeasts and 61 bacteria participated in our fermentations. Of this total, 444 yeasts and 15 bacteria came directly from our vineyards

OUR COMMITMENT # 4

REDUCING OUR CARBON FOOTPRINT

Emiliana is now part of Science Based Target, committing to decrease **46% of emissions** by 2030*.

** direct and energy-related emissions*

HOW WE REDUCE OUR EMISSIONS?



COMPOSTING

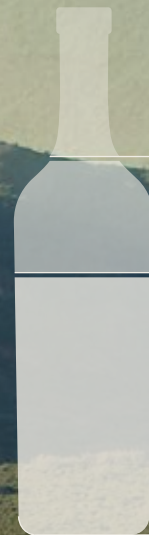


USING LIGHTER BOTTLES



ENERGY EFFICIENCY

OUR FOOTPRINT 2020



28,6%
AGRICULTURE

23,7%
WINEMAKING

47,7%
PRODUCTION AND DISTRIBUTION

TOTAL EMISSIONS

21.447
TONS OF CO₂

1,66^{KG}/_{CO₂}
PER BOTTLE

25% are direct emissions, 6% are associated with our energy use, and 69% are indirect emissions.

Equivalent to what is captured by **1,000,000** trees in a year

Source: <https://www.climateutralgroup.com>

OUR COMMITMENT # 5

REDUCE OUR ENERGY CONSUMPTION

9 ENERGY-SAVING measures were implemented during 2020

The Los Robles estate has a biomass heating system that generates heat from **100% RENEWABLE ENERGY**

ENERGY CONSUMPTION IN 2020
3.324.358 KWH

43%
AGRICULTURE

56%
WINEMAKING

1%
ADMINISTRATION
AND TOURISM

2020 FUEL CONSUMPTION

377.783 L



IMMOBILE USES
188.662 L
[boilers, generators,
frost control]



MOBILE USES
189.121 L
[tractors
and trucks]

In 2020 we signed an agreement for the first **PHOTOVOLTAIC POWER STATION** at Emiliana, that will begin operating in 2021

Avoiding **303 TON CO₂/YEAR** and generating **210.467 KWH** annually.



OUR COMMITMENT #6

REDUCE OUR WATER CONSUMPTION



At Emiliana, 100% of our fields are irrigated mechanically and monitored remotely.

In our fields we've implemented probes to understand the real water requirements of our vineyards.

WE MANAGE 100% OF OUR WATER USAGE

Using meters in all of our



WELLS




IRRIGATION SYSTEMS



WINE CELLARS

Irrigation is monitored remotely

DURING THE 2019-2020 WE USED:

 **2.908.681 M³**
OF WATER FOR IRRIGATION
(4.201 M₃/HA)

 **20.763 M³**
IN THE CELLARS

Equivalent to 2.68 L of water for every liter of wine

MINIMIZE THE ENVIRONMENTAL IMPACT OF OUR PACKAGING

WHAT DO WE LOOK FOR IN OUR SUPPLIES?

- ✓ Lower environmental and social impact in its production
- ✓ Minimization of the quantity required
- ✓ High level of recyclability post-consumption

OUR 2020

4.725.016 KG WERE PURCHASED:



93,6%

of the supplies contained a percentage of recycled materials in their elaboration process



35%

of the total weight purchased corresponded to recycled material



63%

of the bottles were ecoglass



96,3%

of the supplies are recyclable



Just
0,056%

are plastic

MINIMIZE OUR PRODUCTION OF WASTE AND INCREASE RECYCLING

We compost **100%** of our organic waste.


We have recycling stations within our installations.

We work with suppliers that receive their containers and packing materials, and recycle them.


OUR 2020

1.074 TONS OF COMPOST

were made to fertilize our vineyards

 **3.402 KG** of Hazardous Waste was disposed of in authorized plants.

In our cellar, vineyards, and offices we recycled:

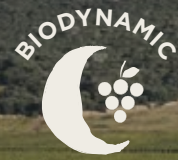
 **2.624 KG** of Glass

 **9.977 KG** of Paper

 **1.273 KG** of Plastic

 **616 KG** of Other Reciclables (aluminium, tetrapack, etc)

Because we care



WWW.EMILIANA.BIO