

2022

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

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

OUR 2021

22 years leading organic viticulture and winemaking

1.294 | Organic hectares

886 | Own organic and Biodynamic Hectares

↳ 150 Hectares in transition to organic
NEW EL CUARZO ESTATE

408 | Organic hectares from small producers

9.229.415 LITRES
OF ORGANIC WINE SOLD

equivalent to

1.025.490  | **6%↑**
9L CASES | vs. 2020

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 2021

\$134.486.000
INVESTED IN
RESEARCH

PROYECTS

We are working on 11 projects of which we highlight



ASSESSMENT ON ECOSYSTEM SERVICES FROM CONVERSION TO ORGANIC PRODUCTION



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, 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 at
Los Robles estate



Study the role of **MICROBIAL
DIVERSITY** (fungus
and bacteria) in the
elaboration of our wines



OUR 2021

- 1.160 new native trees and bushes were planted: **98%↑**
 - Design and implementation of biodiversity corridors and islands in our new property El Cuarzo Estate in Maule Valley.
 - It was possible to find 164 different species of native flora in our fields.
-

OUR COMMITMENT #4

REDUCING OUR CARBON FOOTPRINT

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

** direct and energy-related emissions*

HOW WE REDUCE OUR EMISSIONS?



OUR FOOTPRINT 2021



27%
AGRICULTURE

27%
WINEMAKING

46%
PRODUCTION AND DISTRIBUTION

TOTAL EMISSIONS

16.526
TONS OF CO₂

1,26 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 **770.551** trees in a year*

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

OUR COMMITMENT # 5

REDUCE OUR ENERGY CONSUMPTION

7 ENERGY-SAVING measures were implemented during 2021

ENERGY CONSUMPTION IN 2021
3.743.847* KWH

35%
AGRICULTURE

53%
ENOLOGY

1%
ADMINISTRATION

11%
BOTTLING

*Due to increasing production

0,378 KWH/L
OF BOTTLED WINE
VS 0,425 IN 2020



2021 FUEL CONSUMPTION

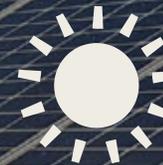
330.198 LITRES
↓ **13%** vs. 2020



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



MOBILE USES
226.363 L
[tractors and trucks]



In 2021 the Casablanca Photovoltaic Power Station came into operation, generating **40.875 KWH**, avoiding **18,31 TON CO2**

OUR COMMITMENT # 6

REDUCE OUR WATER CONSUMPTION



At Emiliana, we use drip irrigation in 100% of our fields

We have 13 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 2020-2021 WE USED:

 **2.150.168 M³**
OF WATER FOR IRRIGATION
(2.920 M₃/HA)

 **24.109 M³**
IN THE CELLARS

Equivalent to 2.43 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 2021

5.368.810 KG WERE PURCHASED:



98,9%
of the supplies are
RECYCLABLE



94,7%
of the supplies contain a
percentage of recycled materials
in their elaboration process



87%
of the bottles
were ecoglass



37,3%
of the total weight
purchased corresponded to
recycled material



Just
0,07%
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

1.212 TONS OF COMPOST

were made to fertilize our vineyards

13% ↑ versus 2020

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

In our cellar, vineyards, and offices we recycled:

 **4.653 KG** of Glass

 **2.396 KG** of Paper

 **835 KG** of Plastic

Because we care



WWW.EMILIANA.ORGANIC