

# CALITERRA®

CALIDAD DE NUESTRA TIERRA

Environmentally  
Friendly



**Since the past century**, agriculture has been mainly “productive”, tending to optimize the input-output relationships, seeking significant increase in the world’s food supply, but at the same time, it has created an environmental liability for the long term. Today, worldwide consumers have changed their perception, not only observing supply, demand and competitive pricing; but also giving a great value to high standards of environmental quality, based on the objective of obtaining high-quality products, protecting the health of the consumer and producer, respecting the environment (flora and fauna), minimizing the use of fertilizers and preserving the natural landscape.

Caliterra, since its beginning, has crafted high quality wines in a sustainable way, in harmony with the environment under the protocols of Good Agricultural and Clean Production Practices.

The sustainable viticulture practices that Caliterra has employed in the vineyard are:

## Vegetal Sanity

Caliterra works with the IPM (Integrated Pest Management), a combination of biological, chemical and cultural practices to minimize environmental impact.

- a) Environment friendly phytosanitary programs based on low health and environmental impact products.
- b) Favoring pest biological control and use of low impact products on natural enemies.
- c) Use of advanced monitoring systems which allow the segregation of control areas.
- d) Product rotation to prevent resistance.
- e) Adequate light and ventilation in canopy management to minimize diseases.
- f) Minimal use of herbicides.

## Irrigation Water Management

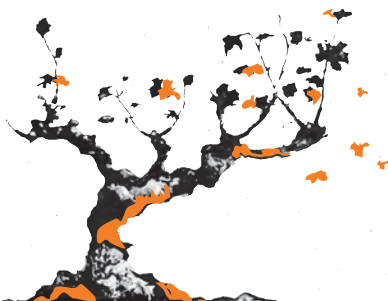
The rational use of water resources in the Caliterra vineyards is essential to achieve a sustainable wine production. The development and improvement of our irrigation strategies aimed at maximizing the efficiency in water use combined to maximizing the quality our products has been done with the following procedures:

- a) Controlled irrigation that allows minimal use of water resources.
- b) Use of technology and instruments (Scholander Camera) to measure the plants real water status.
- c) Use of un-contaminated water sources.
- d) Reducing of the unnecessary use of energy.

## Nutrition and Fertilization

Caliterra’s policy is to use fertilization in a minimal, rational manner. This implies the following activities:

- a) Implementation of fertilization plans based on nutritional balance, analyzing foliar nutrients and soil. The objective is know what, when and how much is needed as an input so we do not to generate any fertilization excess.
- b) Avoid the use of nitrogen based products that can contaminate underwater currents. If required, they are provided organically.
- c) Use of organic matter that allows to enrich the soil’s microflora and improve its fertility.



## Precision Agriculture

Top of the line technology has been introduced to develop a strong precision agriculture that allows an intensive and detailed management of every specific location in the vineyard, while maximizing quality and productivity with a rational use of resources. In this sense, Caliterra has introduced the use of:

- a) Multispectral aerial photography: vigor and water use mapping.
- b) Software that allows administration of vigor maps, samplings and monitoring of plagues and diseases, which permits a specific management of vegetal sanity, irrigation and harvest.
- c) Scholander Camera: plant water measurement.
- d) Foliar nutrient analysis.
- e) Soil chemical and physical analysis.
- f) Use of automatic weather stations.
- g) Use of soil thermometers.

## Sustainability in Wine Production

Caliterra has developed management protocols based on the BPA and APL concepts, practices that are aimed to protect natural resources, improve productivity, maximize soil/plant/water relationship and develop product quality and worker security.

- a) Caliterra subscribed to the Chilean Industry Clean Production Agreement.
- b) Commitment in workforce professional training.
- c) Implementation of security protocols for our workers, vineyards and bottling line.

## Environment

Caliterra has implemented a number of practices related to the protection of the environment:

- a) Identification of polluting sources and implementation of reduction plans.
- b) Development of environmental protocols and standards.
- c) Implementation of damaged areas recovery plans.
- d) Organic waste management.
- e) Productive labor water recycling.
- f) Implementation of erosion protection plans.
- g) Input of non polluting organic matter by incorporating pruning wastes back to the vineyards.
- h) Conservation of native flora policy within the properties, prohibiting logging of native forests and promoting proliferation in the non-productive areas.

## Community

Caliterra works strongly united to the community in the Colchagua Valley to give back knowledge and education to our workers and their families. Altogether, we promote showing our Chilean roots and Colchagua traditions to the world. The actions taken place in this sense are the following:

- a) Security and professional training for our workers.
- b) Municipal School Santa Victoria de Peralillo support since 2004.
- c) Tradicional Music School for children created in 1999.
- d) Promotion of the Colchagua Wine Route.

