



# One Step Ahead with Sustainable Agriculture

**La Hornilla –  
Fundo Santa Inés**



Bayer  
Forward   
Farming

# Sustainable Agriculture in Practice

Cristián Allendes is an innovative and experienced farmer with a life-long vision to “produce more with less”. His fields are located in a privileged area of central Chile, with a Mediterranean climate and fertile soils that allow for the harvest of tasty and quality fruits. He is recognized in the area as a leader in the implementation of modern agricultural techniques, with a strong commitment to the environment and his workers. With Bayer ForwardFarming, on Agrícola La Hornilla, Bayer and farmers come together to demonstrate sustainable agriculture in practice.



## Introducing La Hornilla – Fundo Santa Ines

**Managed by  
Cristián Allendes**



### **Location:**

Calera de Tango, near Santiago, Chile



### **History:**

Agrícola La Hornilla Ltda. was established in 1986 in Melipilla and grew to include Fundo Santa Inés in 2012. Today, Cristián manages the fields with his children, Cristián Jr. and Benjamín.



### **Farming Land:**

Mainly sandy loam



### **Crops:**

Table grapes, cherries, plums, peaches, nectarines and sunflowers



### **Partners:**

AgroSucces, Agroservicios TecnoTrans-Billo, Aquitania Equipos-LectroBlast, Agroriego, CDTEC, LBTRACK

# La Hornilla – Fundo Santa Inés

## Farm Profile



## Key Elements

- 1 Integrated crop protection solutions**  
Integrating phytosanitary products in a sustainable way with modern agricultural techniques.
- 2 Insect pest monitoring**  
Continuous pest monitoring allows accurate applications and only when necessary.
- 3 Weed monitoring**  
Permanent resistance monitoring of weeds, in order to implement control programs to avoid buildup of resistant weeds.
- 4 Efficiency in agricultural tasks**  
Platforms to facilitate and improve thinning, pruning and harvesting, ensuring greater efficiency and safety in agricultural tasks.
- 5 Weather and irrigation monitoring**  
Real-time information on weather conditions assists in achieving the correct use of crop protection products and optimal irrigation.
- 6 Satellite monitoring**  
The satellite photographic spectrophotometric information helps determine orchard health throughout the season.
- 7 Operator safety**  
Maximizing user safety throughout all elements of crop protection with personal protective equipment.
- 8 Targeted applications**  
Efficient product application with electrostatic machines, which achieve better coverage, use less water, cause less drift and increase user safety.
- 9 Water protection**  
Phytobac®: Sustainable management of wastewater from cleaning equipment in a closed system that biologically breaks down crop protection product residues.
- 10 Preserving biodiversity**  
Planting of flower strips for feeding and proliferation of pollinators and other beneficial organisms.
- 11 Healthy hives for pollination**  
Demonstrating good hive-management practices for healthy bees, ensuring optimal pollination services to the farm.
- 12 Partnerships**  
Bringing together skills and expertise to demonstrate successful and modern sustainable farming in a holistic way.

- Tailored Solutions
- Proactive Stewardship
- Partnerships



Bayer ForwardFarming provides an up-close look at how farmers are practicing sustainable agriculture around the world. Unique in its global reach the Bayer ForwardFarming network serves as platform for knowledge sharing and dialogue. Forward-Farmers deploy technologies and best practices that reduce agriculture-related greenhouse gas emissions, decrease the environmental impact of crop protection, promote biodiversity and conserve natural resources.

On the ForwardFarms, progress towards the Crop Science sustainability commitments truly comes to life.

**Bayer ForwardFarming demonstrates solutions that support sustainability in agriculture across the following three components:**

// **Care for Crops** – Every farm is different, and every field within a successful farming operation is unique. **Tailored Solutions** are needed to meet the needs of the individual farmer and their specific field – from the right seeds and traits to the correct type and amount of crop protection, to the digital tools and services that allow for good decision making and precision.

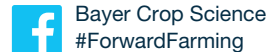
// **Care for the Planet and People** – ForwardFarming promotes and demonstrates **Proactive Stewardship** to protect human health and preserve the environment. Examples include addressing the safe and responsible use of crop protection products; soil health, biodiversity, and water conservation; and offering training in all of these areas.

// **Care for Partnerships** – Bayer ForwardFarming fosters **Partnerships** with agricultural value chain actors, research centers, universities, and other institutions to strengthen sustainable farming development.



For further information, visit our website:  
[www.forwardfarming.com](http://www.forwardfarming.com)

Follow us on Social Media:



## Contact Us

**Bayer S.A.**  
Av. Andrés Bello N° 2457  
Piso 21 Of. 2101  
Providencia – Santiago de Chile,  
Chile

**Alan Peter Lüer Barbieri**  
Mobile: +56 2 25 20 83 81  
E-mail: [alan.luer@bayer.com](mailto:alan.luer@bayer.com)

[www.cropscience.bayer.cl](http://www.cropscience.bayer.cl)  
[info@bayercropscience.com](mailto:info@bayercropscience.com)  
[www.cropscience.bayer.com](http://www.cropscience.bayer.com)

**Cristián Allendes**  
La Hornilla – Fundo Santa Inés,  
Camino Santa Inés S/N  
Calera de Tango,  
Región Metropolitana

© 2021 Bayer AG  
SBS-19-1050