

Grupo Lucci | Quality and Environment

Our Pathway: Sustainability

The world is going through great changes. In Grupo Lucci, we constantly work to adapt and to be ahead of all the necessary transformations that guarantee sustainability in the business. This consists of being responsible for the new generations and it also means promoting healthy social relationships and care of our environment.

Our work is based on three pillars:

- 1.Environmental care
- 2.Care of the people and communities related to Grupo Lucci
3. Economic Growth, to assure a sustainable business in the long run.



Our exporter profile is always a challenge to expand our view, to remain in a leading position and to apply working strategies in order to face ambitious objectives in view of the year 2030. Our work is inspired in The Green Pact from the European Union and in Sustainable Development from the United Nations.

Green Pact – European Union

This agreement is a combination of policies from the European Commission whose purpose is to turn Europe into a neutral climate environment in 2050. One of the objectives is the reduction of greenhouse effect gas emission for the year 2030 by at least 50% from the EU.

Our sustainability strategy is lined up mainly with 6 mainstays of the Green Pact, directly related to our activity.

1. Clean Energy
2. Sustainable Industry
3. From farm to fork
4. Eliminating Pollution
5. Tenable mobility
6. Biodiversity

Sustainable Deveopement Objectives

The United Nations promotes initiatives comprised of 17 objectives and 169 goals with the purpose of ending poverty, of protecting our planet and improving people ´s wellbeing and perspectives around the world. These objectives and proposals include new issues such as: climate change, economic inequality, innovation, tenable consumption, peace and justice.

We contribute in a direct way to 10 objectives of Tenable Development promoted by the United Nations.





WATER: Our most important resource

Water is an essential natural resource for our lives in our planet, for people's survival and for food elaboration.

Water is present in all our value chain and we are aware of the need to handle this resource in a responsible way we are already implementing the following actions for water care:

- **Orchards Systematization** with levelling curves in order to prevent erosion and to optimize water retention in the ground.
- **Drip fertilized irrigation** in 40% of our crops, the most efficient irrigation method in over 3.000 hectares.
- **Accurate spraying**, 20% water consumption is reduced in phytosanitary applications applied to our crops.
- **With all these actions, we reached 50% reduction in water consumption** in the last decade in all our industries



Zero Effluent Program

- At the Effluent Treatment Plant, we treat 100% of the liquid effluent generated in our industrial plants. We are able to produce 5 million cubic meters of biogas through organic matter from the anaerobic digestion system, which **allowed us to save up to 20% of our fossil gas consumption in the last decade.**
- Once the organic load in our liquid effluents is removed, the **water that is treated is directed to irrigate 600 hectares of our own plantations** next to our factories avoiding any leak into natural water flows for more than 12 years.



New projects on Water Resources Management and Energy Efficiency

The implementation of a management system will allow us to measure energy and water consumption, also measure different equipment and process consumption standards and then figure out possible flaws and implement the necessary improvements in gas consumption by optimizing our steam system and to recover heat from our energy flow used in our industrial process.

Taking action on climate change reduction

We capture more than our emissions

Citrusvil is aware that we must take further action regarding the use of our resources.

We started to measure our Carbon Trace in 2019 and these results encouraged us to rise our energy efficiency standards and confirm the impact of our own activities on climate change.

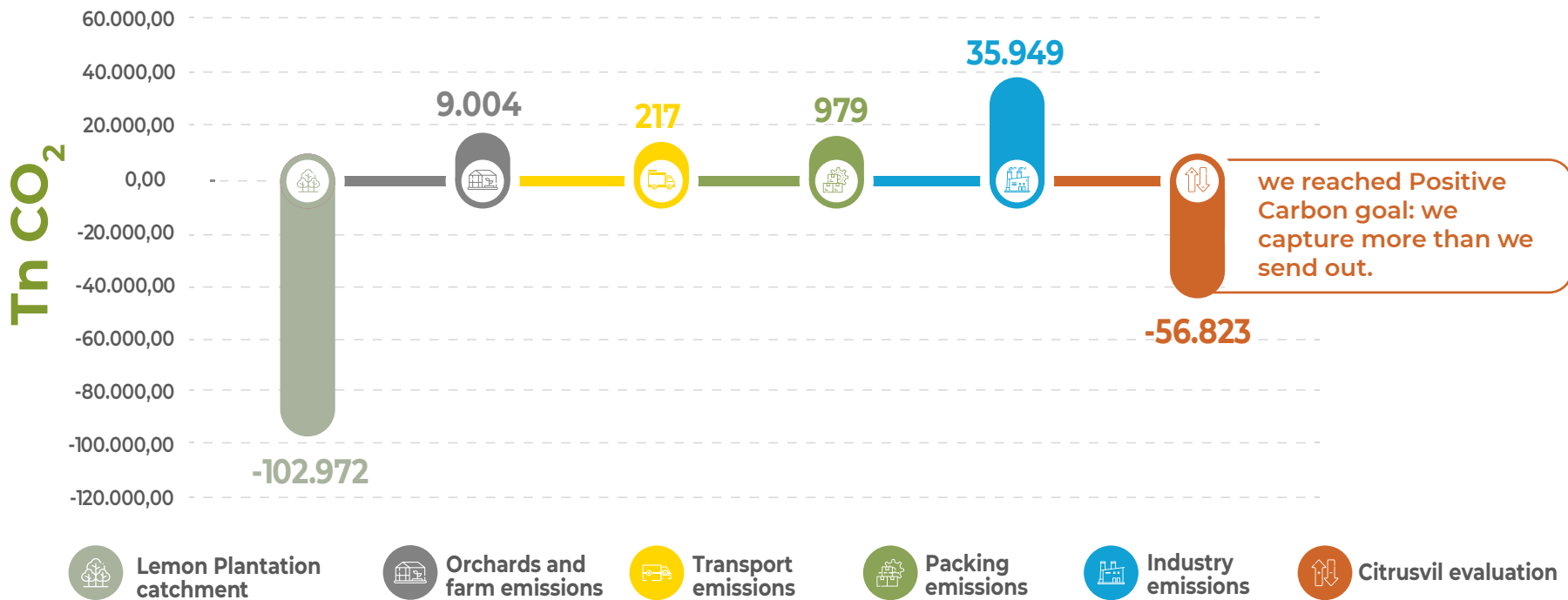


**7.875 Hectares
of Lemon
Plantation**



**5.744 Hectares of
Native Forest
Preservation**

Net Carbon Trace 2021



Vertical integration of our business and the outcome measure have proved that our business has a positive net carbon balance, which means we capture more than we emit.

Our annual net trace of 56.822,85 metric tons CO₂ indicates that we compensate all the emissions coming from our different productive activities and we also contribute to climate change reduction since we are a real CO₂ drain.

Fundación ProYungas is a strategic ally in our commitment on sustainable growth. This prestigious Non Governmental Organization (NGO) in our region joined us to measure the annual rate of CO₂ that is absorbed by our lemon plantation through an objective methodological process.

We have a new challenge for the year 2022. Together with Fundación ProYungas we will calculate carbon stock in our native forest which means a genuine improvement in our balance and we will incorporate this result to Citrusvil environmental management to value the importance of our forest.



Plastic Waste Recycling Plant

What is circular economy?

Circular economy is a model that intends to modify the way we produce and consume. Opposed to linear economy based on extraction, production, consumption and production of waste, circular economy encourages a constant flow, a virtuous circle in which waste can be used as a resource in order to re-enter the productive system.



Citrusvil supports the circular economy concept with our Plastic Waste Recycling Plant by transforming this waste into raw material (plastic pellets) which is later commercialized in other industries.

Our Plastic Waste Recycling Plant allows us to reduce waste and also reduce planet extraction of natural goods.



3rd Forum Meeting of Sustainable Companies in Tucumán

Sustainability is greater than one company's sole commitment, it needs a global commitment.

On this basis, Citrusvil is part of this Forum, which links several companies that work on the same issue in the province. This time we hosted the 3rd Forum Meeting of Sustainability and among other activities we shared our process and challenges regarding sustainability.

Many prestigious industries from Tucumán took part; to name a few, **Quilmes/Pepsi, Edet SA, Scania SA** among others.

This enables us to keep finding regional solutions to common problems in our region.





Sustainable Supply Program

Citrusvil tries to make the food chain more sustainable by creating a fair and healthy food system that respects the environment.

As a part of our support of sustainable actions in our supply system, this year we trained lemon producers together with **Bayer** in a program called Good **Agricultural Practice (GAP)**. This training program will allow them to plan actions to have access to a **GAP** certificate recognized as **GlobalGAP** increasing competitiveness and producing in a responsible way.

“By offering this program we intend to gain knowledge on GAP in citrus producers from the Province of Tucumán who are lemon industry and packing suppliers. We are interested in showing the importance and the impact of producing food and beverages in a sustainable way”, adds Eng. Noelia Lescano, Responsible for Quality and Environmental Assurance.



 **BayG.A.P.**
SERVICE PROGRAM

GLOBALG.A.P.
The Global Partnership for Good Agricultural Practice

We protect Bio-diversity

For each productive hectare of lemon in Citrusvil, we preserve 0.75 hectares of native forest in our field.

We have been working for more than 5 years with Fundación ProYungas. Their professional team whose mission is the same as ours: environmental conservation and sustainable development.

We identified unprotected areas and a priority to preserve and protect bio-diversity. The Protected Productive Landscape Program grants major importance to the relationship between production and environmental care.

In 2018 we built the Private Natural Reserve Don Vicente placed in Burreyacú, North of the Province of Tucumán. It has 1411 hectares destined to ecosystem conservation. It is a member of the Argentine Net of Private Natural Reserves, which is an organization we work with in regional projects focused on sharing the importance of voluntary conservation in Argentina.

During 2021, we were able to quantify carbon storage in native forests. We carried out this task with Fundación ProYungas as well as other challenges such as identifying and monitoring pollinators and restoring native forest in degraded areas.

In addition, Citrusvil and Bayer, another ally in sustainability matters, will become the first producers in Argentina to implement the project called Bee Hotels. In this way we are dealing with a worldwide existing concern about the reduction of wild pollinators. Pollinating is one of the greatest services that nature offers, invisible, but invaluable, on which our life quality and our future depend on.



RED ARGENTINA DE
RESERVAS NATURALES
PRIVADAS

Bayer

Looking into the future

Grupo Lucci understands that **the only way towards general welfare is to be sustainable, this is where our commitment lies:** to meet our goals and to follow our innovation principles and constant development and improvement, we search for new solutions that will make a positive impact on the ecosystem. **Sustainability lies at the center of our decisions.**



Noelia Lescano
Chief of Quality and
Environmental Assurance

[Volver al Índice](#)