

Viluco | Agriculture

Increasing our potential based on new technologies applied to our sector

Our production grows year by year. We have elevated our standard performance in our 29.300 hectares of extensive farming in Agriland and Viluco in line with (PAP) Proper Agricultural Practice and our commitment with sustainability.



—
Ramiro Aznar
Agriculture Manager





8076 certified hectares
Soy Production – RTRS
Corn Production – FSA/SAI



Our cultivation is certified with the highest quality standards, shows our commitment with sustainability and the environment.

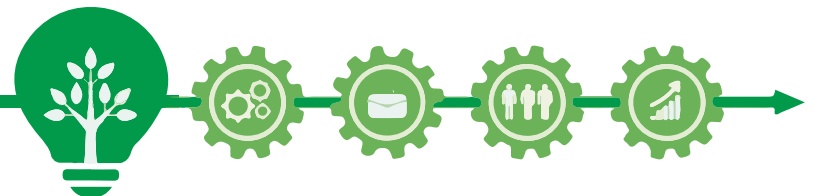
RTRS - Round Table Responsible Soy

This certificate follows five basic principles:

1. To comply with the law and proper business practices.
2. To provide proper labor conditions.
3. To respect and promote relations with local communities.
4. To take care of our environment.
5. To carry out proper agricultural practices.

FSA/SAI – Farm Sustainability Assessment, a tool from Sustainable Agricultural Initiative

The SAI platform promotes sustainable agriculture: efficient production of safe and high-quality products so that they can, not only protect the environment, but also improve farmers´ social and economic conditions as well as their employees and rural communities.





Technology as a strategic pillar in Agriculture

SIMA: implemented at 100%

One of the technologies that made more impact in our productive activity is the use of SIMA Platform and we are proud to say we obtained its 100% implementation in 2021.

SIMA allows registration in real time and it controls all crop

requirements. This is how we take corrective actions under plague control. We bought a second machine in 2021 which helped us reach a greater number of hectares. This is how we were able to monitor each area in a more specific way and we were able to delegate tasks in real time.

Variable fertilization

It is imperative to know the soil we work with very well. This is why we run tests every 20 hectares. This allows us to observe and handle each aspect that is necessary to maximize productivity by also preserving our soil capacity for the future.



Soil improvement

“We found that some fields had phosphorus under the standard level. This is why we carried out a homogenization process in order to raise levels in those fields which actually needed them.” Says Ramiro Aznar, Agricultural Manager.

Selective pulverization

Through selective pulverization, we promote the optimization of water consumption and the use of herbicides.

This technology allows us to increase efficiency in the process by reducing economic costs and preserving the environment. It consists of devices that detect the presence of weeds and pulverize the affected area.

During 2021, we bought a second machine that allowed us to expand, and we plan to get a third machine in 2022 so that 100% of this technology reaches all of our establishments.





PRO Carbono

PRODUCTIVIDAD & SUSTENTABILIDAD

Challenges for 2022

Grupo Lucci continually seeks excellence. We believe that innovation means excellence. We face new challenges on our way towards sustainability.

Our pathway will be set by the implementation of new technology for 2022:

- Sensorial devices for silo-bags to detect changes in temperature in grains.
- Maintain the quality of our harvest.
- Measure our CO₂ emission.

We improve management by working together with our allies. This is why we are trying to reinforce our Alliance with Bayer, which has been planned in two ways:

PRO Carbon: “Increase carbon fixation in soil”

This is a program that is meant to improve productivity by reducing greenhouse effect gas emission.

This first stage consists of a 3 year study to measure carbon fixation in soil. This is a starting point that will allow us to promote our future actions taking care of climate change.



Bayer Phytobac 

Phytobac: “Tenable effluent management project”

This system is based on the formation of a biological bed that avoids any kind of agricultural-chemical waste to reach the soil or underground water. There are three steps to follow:

- Collect pulverized machine waste.
- Transport waste to a regulation tank for effluent storage.
- Distribute these effluents through a drip irrigation system towards the degradation area that contains a

mixture of earth and dry matter in a 70/30 proportion. In this substrate, microorganisms belonging to the soil carry out the necessary decomposing process by transforming agricultural-chemical compounds into substances that have no effect on the environment.

Sustainability and commitment with our community are two distinctive values of Grupo Lucci. Agriland and Viluco enabled us to face two major challenges, growth and excellence.