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We take care of the environment

We carry out our production activity in harmony with nature. We promote the efficient use of natural resources and enhance the value of biodiversity.

Efficient Use of Resources

We manage water, energy, supplies and waste in a responsible way. The following are the highlights of 2020 management:



WATER



- We incorporated pressure gages to **measure soil moisture and optimize irrigation efficiency.**
- In farms, we continued using phytomonitoring to manage irrigation and water balance calculation to optimize irrigation.



- We reduced water use by 28% from the previous year.
- We established a **Water management plan.**
- We monitored irrigation to avoid wasting water along with the Lower Sundays River Water User Association.



- Under the **Blue Footprint Certificate Program**, we improved the roofing of the Chinchá reservoir to avoid losing water due to evaporation, and in Chepén we changed irrigation hoses to avoid leaks when used.
- **We reduced this footprint by 22% as a country**, compared to the previous crop season.





ENERGY



- We completed the greenhouse gas inventory globally to reduce our carbon footprint.



- We incorporated renewable energies in the Industrial Complex in Tucumán, **supplying more than 67 % with wind power.**
- We launched a campaign to raise awareness and foster natural resources savings for the whole organization.
- We prepared the identification material for equipment modulation and turn-off according to “Shut off- Shut down”, a good practice applied in other food facilities that will be implemented in 2021.



- **We use 100% of renewable energies.**
- We implemented a plan to replace lights with LED technology. This would lead to an estimated **75%** reduction in lighting energy consumption.
- **We improved by 22% the efficiency of electric power consumption** in packaging (KWh/Tn) compared to the previous year.



- We developed the Environmental Resource Management Procedure according to SIZA environmental standard and other relevant standards.



- **We improved by 32% the efficiency of electric power consumption** (KWh/Tn) in the Chinchá packing plant compared to the previous year.
- We installed solar panels in strategic points where there was no electric power grid.

WASTE



- We reduced by **16%** the waste generated from natural ingredients versus the previous year.
- We adhered to the “**Campo Limpio**” Program for managing empty phyto-sanitary containers.
- We implemented a monitoring and traceability system for currents generated.



- Agreement with waste management company in Novacore (IV).
- Mapping waste without final disposal in field and packing.
- Defining strategic waste storage places for field and packing.



- We initiated audits of waste landfills with recyclers to verify the proper management of waste and its recycling.



- We revised the central waste warehouse management to ensure proper segregation prior to final disposal.

EFFLUENTS



- **We achieved 86% sustained efficiency** by the anaerobic reactor.
- Under INTEGRA, we documented all significant equipment of the effluent treatment plant, mapping the most critical aspects of each piece of equipment.
- We achieved to generate granular sludge surplus with good methanogenic activity for the first time since the installation of the anaerobic reactor.



- We completed one more stage in the improvement plan for the Liquid Effluent Treatment Plant (Novacore).



Biodiversity Protection

We enhance the value of flora, fauna and the ecosystem services of our farms.



- We continue studying the **quality of the aquatic environment and its biodiversity**.
- We found taxons in sampling sites that had not been previously detected, providing greater knowledge of the aquatic diversity of our farms, also evidencing the **excellent water quality and excellent gallery forest and river habitat quality**.
- **61% of the total surface of our lands is preserved as wild areas (7,282 ha)** and the rest are areas used for agriculture production.
- We monitored environmental units of our farms in the 2019-2020 period, with a positive result that suggests that there were **no significant changes in forest surfaces**.
- We validated compliance with the criteria of **PROYUN-GAS certification** in the different stages of production activity and the progress made on the continuous improvement process at farms and the industrial plant.



- We carried out a **Flora and Fauna Search and Rescue Program**.



- We held trainings and talks related to flora and fauna care and protection.
- We put signs for flora and fauna protection in strategic locations of our farms.



- We entered into an agreement with the environmental authority to carry out a biodiversity study, to protect and preserve native fauna in farm 33.
- We delimited two conservation areas and identified the related ecosystems.

