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International fair "4 per 1000" Initiative: real farmers experiences for living soils and carbon sequestration

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Exhibitor



Asociación Argentina de Productores en
Siembra Directa (AAPRESID)

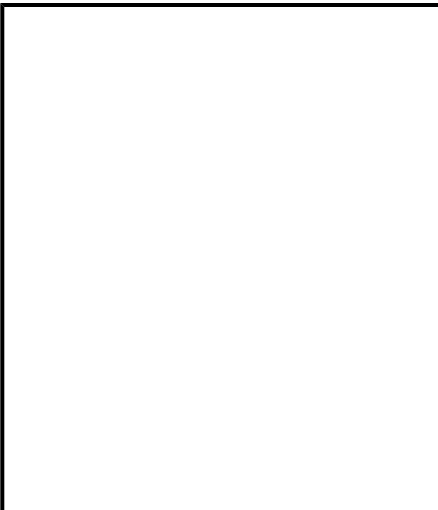
<https://www.aapresid.org.ar/>



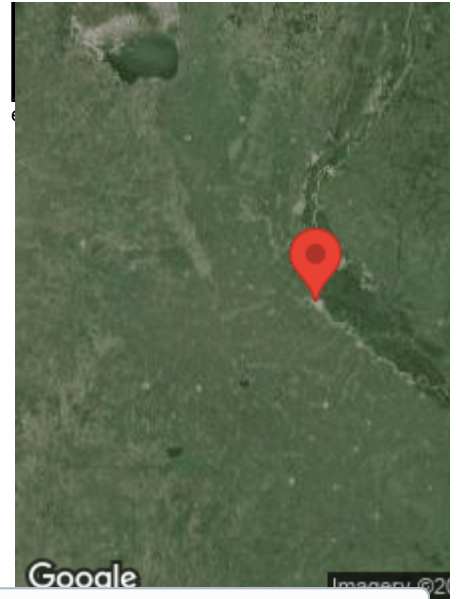
Team

Mailen Saluzzio
Alejandro O'Donnell
María Beatriz "Pilu" Giraudo
Marcelo Torres

Location



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Summary

The Argentine No-till Farmers Association (Aapresid) promotes the sustainable production of food, fibers, and energy, mainly by two actions: developing agricultural systems which optimize production with lower environmental impact, and promoting innovation in networks.

The production system promoted by Aapresid aims to emulate nature and it is based on the following pillars:

- 1- NO TILLAGE, as a non-negotiable condition;
- 2- INTENSIFICATION, living crops in the fields all year round;
- 3- DIVERSIFICATION, smart integration and rotation of crops and production in time and space;
- 4- BALANCED NUTRITION;
- 5- INTEGRATED PEST MANAGEMENT; lower use of supplies to control plagues.

This agricultural model is an ally against the challenges faced by Humanity regarding the need to produce food with a smaller environmental footprint as well as to mitigate climate change.

Below we would like to show a practical example of the implementation of these pillars that govern our *raison d'être*. The "Chacra Pergamino", a regional project led by Aapresid farmers who, along with specialists from research institutions and universities and companies in the sector, decided to find out whether it was possible to increase production and at the same time reduce the environmental impact.

For this purpose, they evaluated the evolution of soil health indicators (chemical, physical and biological), environmental impact indicators associated with the use of phytosanitary products (EIQ), fertilizer use and GHG emission balances for different crop rotation and agronomic management models over a period of more than 10 years.

Presentation

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Soils are the first land carbon reservoir, and therefore, key allies in the fight against climate change and the reduction of GHG emissions. Agriculture needs soils to produce food and ensure food security, but like any productive activity, it contributes to the emission of GHGs. However, not all forms of agriculture are the same.

What are the benefits of the model of agriculture that we promote?

- 700m tons of soil stopped losing through erosion;
- +25% water productivity (+grains/mm of water);
- +28% in yields;
- +13% yields stability;
- - 60% use of fossil fuels;
- - 50% environmental impact due to less use of phytosanitary products;
- Soil biological activity and its biodiversity improved.

The model of agriculture and innovation promoted by Aapresid is an ally against climate change. It increases soil carbon sequestration while reduces GHG emissions: CO2 emissions are reduced by 40%, the requirement of synthetic fertilizers is reduced by half and it improves productivity, this means it allows the production of more grains per CO2 unit emitted.

The path of innovation in networks

Aapresid promotes the innovation in networks by exchanging information and experiences at local level; identifying common issues and challenges among farmers; finding solutions to those common problems, that are based on science and experimented in real productive scenarios; developing private-public partnerships; applying and scaling better productive systems that helps to anticipate future scenarios; developing certification standards that ensure environmental, productive and social sustainability.

Join the XXXI AAPRESID Annual Congress from August 9-11, 2023: The most outstanding event in the field of agricultural knowledge and technologies in Argentina and a worldwide reference that gathers every year over 6,000 in person and 15,000 virtual attendees.

- Over 90 simultaneous lectures and workshops Commercial Exhibition Hall
- Machinery Park
- Simultaneous translation

This year, the theme of the event will be "**C, ELEMENT OF LIFE**". Carbon is a vital element for human life. It composes most of what we are, what we use and what we consume. In agriculture, it is a key ally to increase food, fiber and energy production while mitigating climate change and improving the health of our soils. Therefore, this 2023 event will focus on **discussing different carbon strategies** along the following themes: soil health and climate change, bioeconomy, biotechnology, agroecological systems, integrated systems, crop management, machinery and new technologies, legislation and public policies, and education and communication.

The Congress will have a hybrid format: in person and online.

REGISTRATION AND TICKETS AVAILABLE HERE: www.aapresid.org.ar/congreso

Join a technical tour in the Pampa region! August 5-13, 2023

In the framework of the XXXI AAPRESID Annual Congress, we invite you to join a technical tour on sustainable agricultural systems in the heart of the Pampa, the main productive region of Argentina, where you can learn about our productive models, leaders in innovation, soil care and sustainability.

- Real production systems in the main productive regions of the country.
- Technical exchange with our farmers and experts.
- Conservation Agriculture (CA) and no-till farming systems.
- Agriculture for Climate Change Mitigation and Adaptation. }
- Evergreen Agriculture: a new concept of production based on no-till: efficient, taking care of the environment and people.

Target audience:

Farmers, technicians, university students, agricultural organizations, policy makers / official delegations.

The tour includes:

Transfers, 8 nights accommodation, meals, bilingual technical guide (Spanish-English) and entrance to the XXXI Aapresid Congress.

+ info: congreso@aapresid.org.ar / saluzzio@aapresid.org.ar

Images

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Videos

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<https://www.youtube.com/watch?v=pupxIOvK2Ug>

<https://icedrive.net/s/A51XxG8SCFVyZQxbR7j5jGGWTi3b>

More

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Meet the team

During the indicated periods, one of the team members is available for a video chat.

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Contact

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saluzzio@aapresid.org.ar

Events & Calls

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