

Agriculture Research Innovation

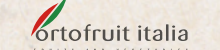
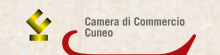


Agrion
Agricoltura ricerca innovazione



About Agrion

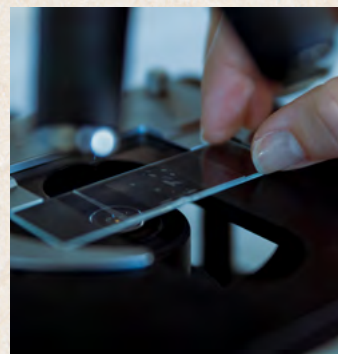
The Foundation for Research, Innovation and Technological Development of Piedmontese Agriculture - Agrion is the regional research and experimentation center recognized and included in the list of **national research institutions** whose statutory object is the performance and promotion of scientific research activities (Prime Ministerial Decree referred to in Article 14, paragraph 1, Legislative Decree of 14 March 2005). It was founded in **2014** by the will of the Piedmont Region and Unioncamere Piemonte, **"Founding Members"** with the aim of promoting and carrying out research, innovation and technological development of Piedmontese agriculture. In **2015** the Foundation incorporated the two centers, CReSO and Tenuta Cannona, operating respectively in the fruit and vegetable supply chain and in the wine sector, thus creating a single body aimed at strengthening the experimentation system applied in the agri-food sector. Following this merger, the Producer Organizations, the Agricultural Professional Organizations and other representative subjects of the Piedmontese agri-food chain have become part of Agrion, as **"Participating Members"**.



Agrion is Research

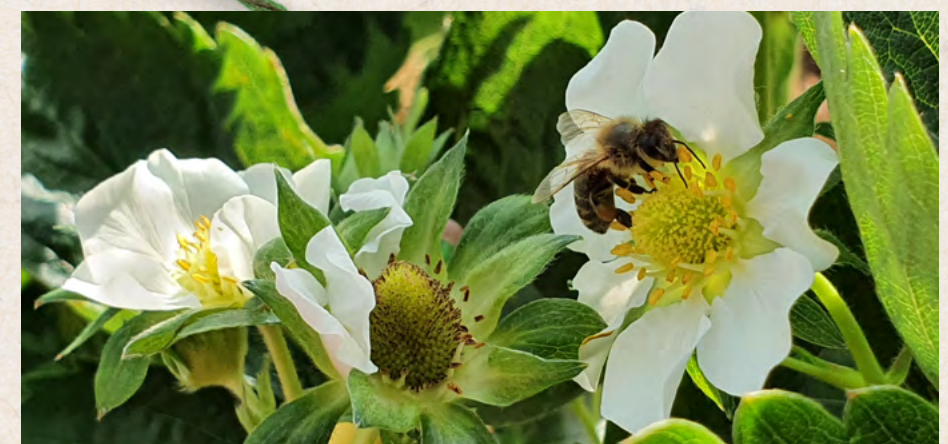
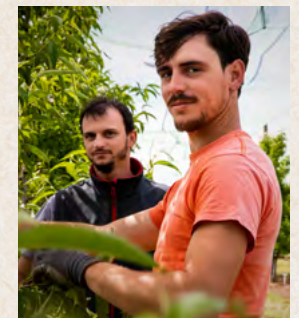
The Foundation carries out **research activities** in the agri-food sector, with particular regard to the issues of production quality and the sustainability of agri-food techniques and technologies. The innovation and research activities are aimed at the economic, social and cultural growth of those involved in the supply chains, professional training, as well as the development of the agricultural system, with particular reference to interconnections with the environment and in harmony with the protection and enhancement of the Piedmontese territory. In line with the statutory dictates, the Foundation performs a precise function, consisting in **applied research**, that part closest to turning into innovation.

It does not overlap with other entities on the regional territory: it occupies its own position, in a range between applied research and technology transfer.



Agrion is Innovation and Experimentation

Agrion's activities focus on development paths that guarantee continuous **innovation** for the **improvement of the quality of agriculture**, understood in terms of environmental and economic sustainability, sensory and nutritional quality, food security. The Foundation aims to promote the integration of knowledge from different fields and **stimulate synergies with the world of research**, with the aim of ensuring timeliness in the transfer of results. By participating in various working groups at national and European level, Agrion helps to bring the latest technical innovations to the territory in order to face current and future challenges more effectively, continuing to support farmers to promote an agricultural sector that is competitive at a global level.



Agrion *is* Sustainability of the territory

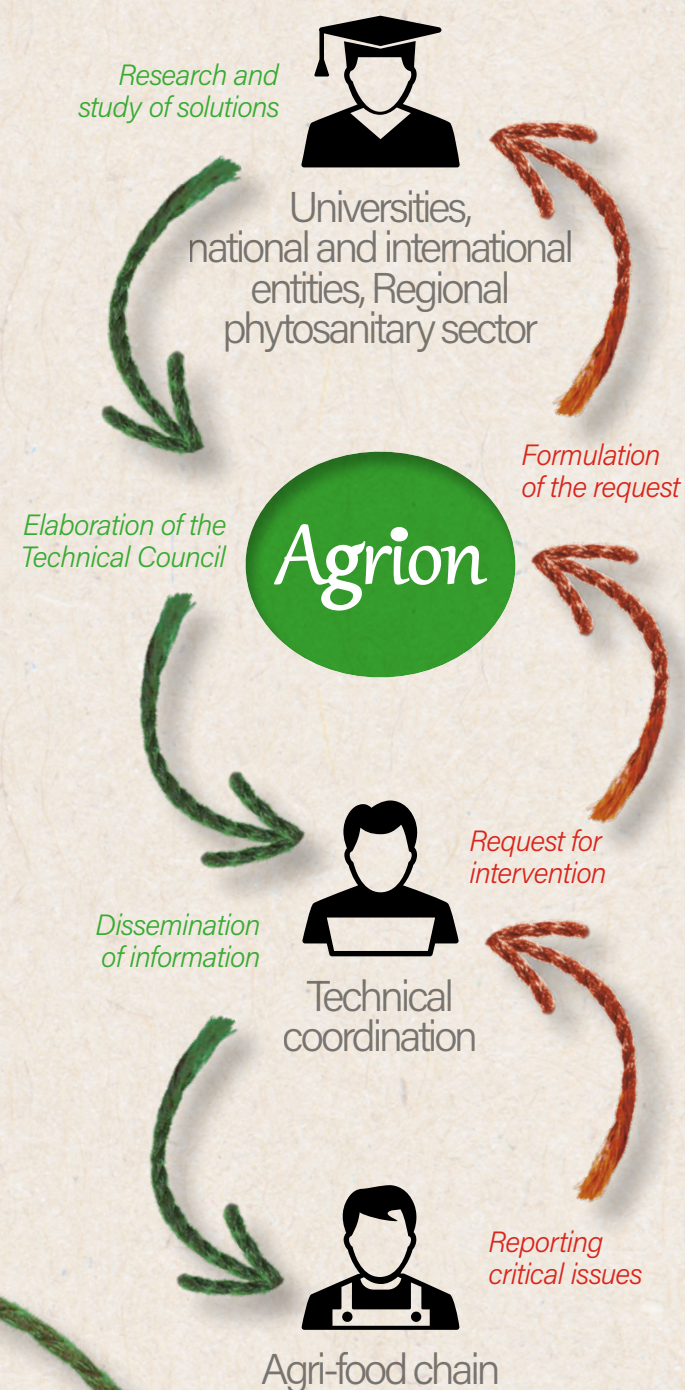
Sustainability has always been one of the fundamental values for the Agrion Foundation, whose goal is to allow farmers to obtain the highest quality of production with the lowest possible environmental impact. To achieve this goal, research and innovation at the service of agriculture, to which Agrion works every day, are increasingly central, intervening with innovative solutions that can be used by everyone, technicians and producers, so as not to sacrifice the quality level of production and to respond both to the challenges of climate change and to the sustainable containment of phytosanitary emergencies.



How does that work

Agrion

The Foundation acts as a **connecting body** between the needs of the territory and the intuitions of research. Agrion relates "downstream" by collecting the questions and needs expressed by the supply chains and starting from these, it plans its activity. Thanks to this link, the experimental activities are focused on the most urgent and topical issues, but also in a context of strategic vision expressed by the operators in the sector. The Foundation operates using a simple but effective scheme, which allows to group the best technical-scientific skills that are concentrated in dedicated Operational Groups (Universities, CREA, CNR, Regional, National and International Research Centers).





Agrion

Activities and areas of intervention

The activities carried out by the Foundation look to the present and future of Piedmontese agriculture, so as to be able to face the challenges of the sector according to the specific needs expressed by the different supply chains. The areas of intervention are different and seek solutions **for a cheaper and at the same time more sustainable crop management**, with less dependence on chemistry and which allows to enhance regional productions in terms of quality, food safety, protection of the health of operators and environmental resources. The Foundation's research and experimentation activity is financed thanks to the formulation or adherence to calls promoted by public or private bodies. Every single center, but also the Foundation in its entirety, aims to intercept financial resources from the various bodies to intensify and expand research and experimentation activities on fundamental issues for innovation and eco-sustainable development of Piedmontese agriculture.



VARIETAL INNOVATION

or bring new products to the territory to increase the competitiveness of the sectors.



CULTIVATION TECHNIQUE

*or "good agricultural practice" constantly updated.
New tools to improve the efficiency, quality, and sustainability of production.*



SUSTAINABLE DEFENSE

that is, to produce quality while respecting the environment, providing answers to the important global changes taking place.





4 × 4
seats fields



Manta (CN)

Fruit growing

Boves (CN)

Horticulture
strawberry, small fruits and chestnut



The Center is located in **Manta** (CN) and consists of two laboratories, one of agronomy, pathology and entomology and the other of pomology and fruit quality, as well as 7 hectares of experimental field plots. Varietal innovation for the main species of fresh fruit in Piedmont is a central topic for the supply chain. The evaluation, selection and creation of new genetic materials is the tool of product innovation, one of the bases of the competitiveness of the sector.

The cultivation technique deals with architecture and management of the orchard, eco-sustainable protection from adversity, quality and post-harvest. The topics of the research concern the cultivation interventions on the tree and the use of water and nutritional resources. The experimentation is also aimed at the development of forecasting models to monitor the evolution of adversity and identify the moments for effective interventions, as well as the verification of new diagnostic methods. In Manta there is also the administrative headquarters of the Foundation.

The center is located in **Boves** (CN) and consists of a laboratory for carrying out qualitative-quantitative analysis and 5 hectares of experimental fields, where tests are carried out on varietal innovation, cultivation techniques, defense and maintenance in purity of ecotypes (local varieties of typical Piedmontese vegetables).

In addition to investigating how the new materials can be valid from the agronomic-qualitative point of view, efficacy tests are constantly carried out on new active substances or tested agronomic techniques aimed at improving the qualitative-quantitative aspects of production, satisfying consumer demands and ensuring the protection of the health of operators.



Carpeneto (AL) *Viticulture*



The Experimental Center Tenuta Cannona in **Carpeneto** (AL) is dedicated to viticulture, but not only. In adherence to the perspective of environmentally friendly and sustainable management adopted by the Agrion Foundation, experimentation activities related to the management of phytosanitary problems, the improvement of agricultural biodiversity and the landscape, are pursued in this center. Also for the Carpeneto seat the pillars of the activity are Varietal Innovation, cultivation technique and sustainable defense.



An experimental winery dedicated to micro-vinifications is operational, which constitute the oenological part of research projects started in the vineyard. The Carpeneto site is of considerable importance for the wine and, more generally, agricultural world, for the possibility it provides, with adequate structures, to carry out tests ranging from the vineyard to the cellar, but which may also affect other crops, outside the vine. Activities related to hazelnut are already underway, given the interest and continuous expansion of this crop in Eastern Piedmont, but also to almond and cereals.



Cravanzana (CN) *Coriliculture*



At the Experimental Center of Cravanzana (CN) the research and experimentation activities have as their main objective to provide hazelnut growers with tools to improve the environmental and economic sustainability of the hazelnut crop. Currently the research is focused on the efficiency of the hazelnut, both from the point of view of the cultivation technique and from that of sustainable defense.



The evaluation of the clones of Tonda Gentile Trilobata is very important: the intention is to compare the clonal material, evaluating the environmental adaptability and productivity of the clones compared to the standard ecotype. The center is located in a strategic position for the high level of representativeness of the cultivation of the hazel on the territory. It consists of a laboratory for basic qualitative analysis and about 3 hectares of experimental fields.

The fruits of research

Agrion

The Agrion Foundation in years of activity in the area **has generated concrete repercussions at the service of the entire Piedmontese agri-food chain**, especially through specific research projects on the main and most urgent needs of the sector, meetings and seminars, as well as constant information activities towards the foundation's stakeholders. Its role has thus become essential and increasingly central in the harmonious and sustainable development of the regional agriculture of the future.

24
RESEARCHERS
INVOLVED

150
APPOINTMENTS
TO THE YEAR

*including technical
meetings, conferen-
ces, and coordination*

8
MLN €
*Benefits
in relapse*

2
MLN €
Resources invested

50
RESEARCH AND
EXPERIMENTATION
PROJECTS
*realizzati negli
ultimi 5 anni*

20
IN PROGRESS





REGISTERED OFFICE

EXPERIMENTAL CENTER FOR FRUIT GROWING

Via Falicetto, 24 – 12030 **Manta (CN)** - Italy

TEL. 0175.1953030 / FAX 0175.1953031

EMAIL info@agrion.it • PEC fondazioneagricolturapiemontese@legalmail.it

www.agrion.it

EXPERIMENTAL CENTER FOR HORTICULTURE, STRAWBERRY AND SMALL FRUITS

Via Albertasse n. 16 – 12012 **Boves (CN)** -Italy

Tel. and Fax 0171.388880

EXPERIMENTAL CENTER FOR VITICULTURE

Tenuta Cannona n. 518 – 15071 **Carpeneto (AL)** -Italy

Tel. 0143/85121

EXPERIMENTAL CENTER FOR HAZELNUT GROWING

Via Provinciale Valle Bormida 2 – 12050 **Cravanzana (CN)** - Italy

