

PRESS RELEASE

16 Award-winning innovations at the 2021 SIVAL Innovation Concours



The SIVAL Innovation Concours final jury met on Thursday, 10 December, and after deliberating selected 16 award-winning innovations and 12 nominees.

The general trend revolved around solutions for environmental challenges, with agro ecology remaining a key theme amongst the Concours's innovations. The Concours has, undeniably, now become a key framework for revealing innovations in the specialist plant production sector.

At the core of this trend is the number of award winners and nominees who put forward concrete solutions aimed at the problems concerning the reduction of inputs, the management of water, and carbon foot prints.

The two SIVAL d'Or Award winners show, equally, the capacity to activate new types of motors for transformation. It is the case in varietal innovation, where a « companion plant » is used as a means of protection against challenges, and also the reduction of inputs.

The presentation of an innovation based on a plant, whose end use is not for food, is a first at the Concours.

Amongst the developments in automation, a system of Persian blinds ensured crop protection when faced with climatic change. Fitted with photovoltaic panels, it offers energy production as a byproduct, but it's intelligent control system guarantees optimal plant production.

Decision-making tools for farms, that help create an agriculture that is more environmentally friendly, stood out in this latest addition.

A new theme emerged this year: alternatives to plastic packaging, that meet societal expectations, and that prepare for future legislation banning the use of plastics.

These innovations are not only part of a genuine environmental initiative, but they also enable businesses to be more competitive, whilst making the profession more attractive.

The jury joined Bruno DUPONT, President of the SIVAL, in paying tribute to the memory and unending commitment of Michel BRU, who was a member of the SIVAL family.

THE 16 INNOVATIONS REWARDED



GOLD MEDAL > 2 INNOVATIONS

Terapur - VILMORIN MIKADO (49 - La Ménière)

Varietal innovation - market gardening

For the first time, a plant innovation that is not dedicated to consumption, but to crop protection. Terapur is a 'companion plant' that enables the *Heterodera carotae* nematode to be resisted. It is a plant alternative to pesticide applications, and it fits into a system of crop rotations.

Sun'AGRI(r) - SUN'AGRI SAS (75 - Paris)

Machinery - Automatic systems - All types of production

Sun'Agri offers a system of movable Persian blinds, capable of providing shade, or of being totally unobtrusive. Controlled by algorithms, their priority is crop development, depending on the crops needs and meteorological conditions. The system also includes photovoltaic electricity production.



SILVER MEDAL > 6 INNOVATIONS

NATHY®-SAUVIGNAC - MERCIER NOVATECH S.A.S (85 - Le Gué de Velluire)

Varietal innovation – Wine production

Nathy@Sauvignac is a multi-gene grapevine variety, made up of several powdery mildew resistant genes. They enable quality white wines to be produced, whilst guaranteeing yields, reducing inputs and production costs. After the Sival d'Or 2019 for the INRAE-RESDUR varieties, the jury would like to pay tribute to the first resistant variety that is the result of private research.

INOGO C.O.V. - NOVADI sarl (69 - Lyon)

Varietal innovation – Tree production

INOGO has brought novelty to the range of yellow apple varieties. Naturally resistant to scab, it has very good eating and growing characteristics, as well as a high potential for storage. This new variety is polyvalent both for production techniques (conventional or organic) and also consumption (fresh or processed).

Eco'barquette Champignons - SAICA PACK (53 - Laval)

Packing – Marketing – Market Gardening

With « Zero waste » in mind, and anticipating the forthcoming bans on plastic wrappers, this complete packing solution is 100% biodegradable, and is suitable for direct contact with both food and damp products, such as mushrooms.

CapTrap® Vision for multi-pest surveillance - CAP 2020 (33 - La Teste-de-Buch)

Services and programs – All types of production

Fresh progress has been made in the use of connected traps: technology using artificial intelligence and algorithms is incorporated in the trap, limiting the collection requirements. Integrated light sources in the trap also improve the quality of the images and therefore insect recognition.

« Moisture status » function for the e-terroir cartographic interface - INTERLOIRE (37 - Tours)

Services and programs - Wine production

By combining a cartographic interface for wine producing regions (E-terroir) to a model for calculating the water status in the soil, (WaLIS Inra-IFV), this decision-making tool can establish a field scale plan of the soil's moisture status both on a daily and a weekly basis. It is both a pertinent and advanced tool that other specialist crops would like to benefit from!

ScanBean - SYNGENTA FRANCE SAS (31 - Saint-Sauveur)

Services and programs - Market Gardening

Scan Bean is a decision-making tool for calculating the fungicidal protection required by beans. Thanks to an agro climatic model that calculates the risk of Sclerotinia, it enables chemical applications to be delayed, or even eliminated.



BRONZE MEDALS > 8 INNOVATIONS

Flat Nectarines ONDINE (TM) - ASF EDITION (66 - Elne)

Varietal innovation - Tree production

Ondine has a range of 11 flat white nectarine varieties with homogenous eating quality, and that cover a production calendar from June to September. They are aligned with consumer trends: healthy and tasty snacking. They are backed up by a sound marketing initiative.

MOKA - AGRAUXINE (49 - Beaucozéz)

Inputs - Fertilisers - Crop Protection - Wine Production

A liquid bio-stimulant based on yeast extract, MOKA encourages fruit development, and improves quality characteristics. An innovation that has been confirmed by interesting trial results in wine production.

Diffuseur T-Protect® - BIOLINE AGROSCIENCES (26 - Livron-sur-Drôme)

Inputs – Fertilisers - Crop Protection - All types of production

By protecting insect auxiliaries and more particularly Trichogrammes from the risk of being destroyed by heat and the sun's rays, the T-Protect technology optimises the efficiency of auxiliary insect release in crops where their use is actually difficult or impossible.



Electrically driven hydraulic power pack- - HYDROKIT - SABI AGRI (85 - Le Poire sur Vie)

Mechanisation - Automation - Tree Production/Market Gardening/Wine Production/PPAM

This mobile unit is economic and it enables standard hydraulic tools to be retained, without modification on an electric tractor. It can be tailor-made to order.

NETBOW - NETAFIM FRANCE (13 - Gardanne)

Production solutions - Market Gardening/Horticulture

A ring system that provides better distribution of droplet irrigation and more homogenous development of the root system whilst economising water use.

Vertical Lumia - VEGETAL GROW DEVELOPMENT (VGD) (13 - Châteaurenard)

Production solutions - Tree production/Market Gardening/Horticulture/ PPAM

A vertical light that follows the natural growing cycle of crops, with a simple 'plug and play' installation procedure. It increases the efficiency of LED lighting by bringing the light closer to the plant.

6 oscars + - SAICA PACK (33 - Pessac)

Packing - Marketing - Wine Production

This patented system for one piece wine cases with an integrated dividing panel simplifies storage and handling for manual or mechanised assembly.

Exhibition « A professional sector functioning/plant production example »

Programme Objectif Végétal (49 - Beaucozé)

Collective initiative - All sectors

This travelling exhibition highlights the diversity of the profession, the career paths and the areas of activity within the plant production sector. A useful initiative to improve both the image and awareness of the plant production sectors, in order to attract new skill sets into our profession.

THE NOMINEES

STARLOR C591 The first premium bunched yellow cherry - GAUTIER SEMENCES SAS (13 - Eyragues)

Varietal innovation - Tree production

FERTISS BIO - FERTIL (92 - Boulogne-Billancourt)

Inputs - Fertilisers - Crop Protection - Market Gardening/Horticulture/PPAM

Pressionet - INVENIO SOLUTIONS SAS (33 - Bordeaux)

Mechanisation - Automation - Tree Production

3D Colour sensor- - FACHAUX ET FILS (18 - Saint-Martin d'Auxigny)

Mechanisation - Automation - Tree Production / Market Gardening

GHVi- Tool carrier additional hydraulic unit - HYDROKIT (85 - Le Poire sur Vie)

Mechanisation - Automation - Tree Production / Market Gardening/ Wine Production/ PPAM / Cider

Oz guidance RTK - NAI0 Technologies (31 - Escalquens)

Mechanisation - Automation - Market Gardening / Horticulture / PPAM

Ground cover plants - HABERSCHILL (81 - Valdurenque)

Production solutions - Tree production / Wine Production / Horticulture

Mano - TELAQUA (13 - Aix-en-Provence)

Production solutions - All sectors

BaYoPal - SCHOELLER ALLIBERT FRANCE (92 - Neuilly-sur-seine)

Packing - marketing - All sectors

Water Weight - CLAUGER (69 - Brignais)

Services and programs - Tree Production / Market Gardening

IrrigAssistant® - CORHIZE (47 - Estillac)

Services and programs - All sectors

Hort.OS - RIDDER (Pays-Bas / Service France : 44 - Saint Brevin les Pins)

Services and programs - Market Gardening / Horticulture

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