



# SIVAL

2024 JAN. 16>18  
PARC DES EXPOSITIONS ANGERS

# THE FUTURE OF PLANT PRODUCTION STARTS HERE

PRESS RELEASE/ ANGERS - 21 DECEMBER

## SIVAL INNOVATION CONCOURS 2024 PRIZEWINNERS : 21 INNOVATIONS REWARDED

The final jury of the SIVAL Innovation concours , 2024 edition, held their final meeting on Friday, 15 December, in order to select the Prizewinners.

**21 innovations received awards, out of the 32 entries preselected in November, from a total of 69 entrants this year.**

For this latest edition of the SIVAL Innovation concours, the jury has selected 21 innovations based on the degree of innovation, the level of usefulness for the sector and the environmental, social and economic impact of each of these solutions.

At the end of the discussions and taking expert advice into account, **4 innovations were awarded SIVAL Gold, 7 SIVAL Silver and 10 SIVAL Bronze.**

- **4 Prizewinners for varietal Innovation** (of which one SIVAL Gold, two SIVAL Silver and one SIVAL Bronze),
- **3 Prizewinners for inputs, crop protection, fertilisation and substrates** (one SIVAL Silver and two SIVAL Bronze),
- **7 Prizewinners for mechanisation and automation** (one SIVAL Gold, three SIVAL Silver and three SIVAL Bronze).
- **4 Prizewinners for services and programs** (one SIVAL Gold, one SIVAL Silver and two SIVAL Bronze)
- **1 Prizewinner for production solutions** (SIVAL Gold)
- **2 Prizewinners in the category for Marketing and Packaging** (two SIVAL Bronze).

This year the awards highlight **mechanisation and robotics**, the SIVAL Innovation concours 2024 focuses upon solutions that answer the important challenges facing the specialist plant production sector: improving working

conditions and making some tasks less tiresome, providing tools that are more efficient from an energy point of view (notably reducing emissions of CO2) and that are able to be modular, adaptable and combinable.

**Artificial intelligence**, equally, is a trend that has strengthened in this year's competition. Whether it is in robotics or programs that enable to predict the presence of pests or the quality of produce.

Concerning varietal innovation, varieties that are more **resistant, simpler to produce, with improved conservation** are sought after due to the need to meet consumer expectations for taste and product appearance.

Generally, **agro ecology with natural solutions and innovations that enable the reduction of the agricultural footprint on the environment**, whilst integrating social challenges (working conditions) and economics (cost reduction) are an underlying trend that echoes the theme of the SIVAL.

Presenting the 2024 award winners



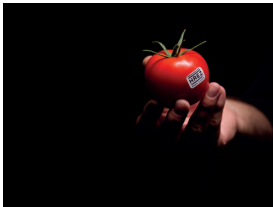
## VARIETAL INNOVATIONS

4 PRIZEWINNERS



### Haute Résistance par Enza Zaden (HREZ)

Enza Zaden is developing a growing collection of varieties that present a high resistance to « Tomato Brown Rugose Fruit Virus », a major problem for french and worldwide production. This high resistance is based on the reaction mechanism for the plant hypersensitivity.



**Enza Zaden Commercial S.A.S.**  
49 - Maine-et-Loire  
Sector : Market Gardening



### CARTESIO Chou-Fleur Romanesco Blanc

The Romanesco Blanc Cartesio Cabbage is a new white variety that is perfect and regular. This original new variety has revived the range, attracting consumer interest and providing new outlets for producers. It is remarkable for its mild taste and its attractive florets.



**Syngenta - Semences Potagères**  
31 - Haute-Garonne  
Sector : Market Gardening



### TONIK Apple

This new apple variety has numerous advantages, notably cost reduction. It has excellent conservation potential and can be stored in normal cold stores, without any expensive technology.

For production, the tree is easily managed with good productivity, regularity with good tolerance to diseases. As for consumption, the apple is sweet, slightly acidic and crunchy. Free variety.

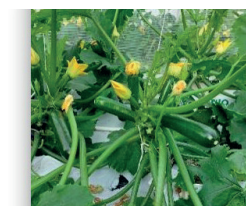


**DALIVAL SAS**  
02 - Aisne  
Sector : Tree production



### Frutastic

Frutastic 1<sup>st</sup> rang of highly parthenocarpic courgettes (fertilisation free) The aim is to guarantee a regular yield, and production quality throughout the growing season, even in difficult conditions (absence of pollinators, closed structures, high or low temperatures, temperature variations). It is suitable for indoor, conventional and organic production.



**GAUTIER SEMENCES**  
13 - Bouches-du-Rhône  
Sector : Market Gardening

## INPUTS CROP PROTECTION, FERTILISATION AND SUBSTRATES

3 PRIZEWINNERS



### EF POLYMER

EF POLYMER is the first super absorbent, 100% natural and biodegradable hydrogel polymer manufactured from organic waste. It meets the need for better water conservation by improving the water retention capacity of soils and therefore reducing irrigation requirements. Equally, it reduces nutrient run-off from the soil and improves microbial growth and soil fertility.



#### EF Polymer Japon

Sector : Market Gardening,  
Tree production, Wine  
production, Horticulture,  
PPAM.



### PRALIGEL® FLO

A ready to use organic root dip, Praligel Flo contains 2 bio stimulant technologies order to create a synergy that maximises the success rate for bare root planting.

It contains bio stimulant technology that is already available. PraliGel® Flo, associated with an extract of the Ecklonia maxima algae and the amyloliquefaciens B-Start, Bacillus, all contained within an innovative gel formulation, it can be used in organic farming.

[Plus d'informations // cliquez ici](#)



#### COMPO EXPERT FRANCE

92 - Hauts-de-Seine  
Sector : Market Gardening,  
Tree production, Wine  
production, Horticulture



### Powerfood 3.0®

This solution is made up of the prey of mites and complimentary feeds, over an inert support with the aim of feeding the mites and predatory bugs directly on the plant. This technology encourages the establishment and early installation of organisms that will control predators organically within the crop.



#### AGROBIO FRANCE 66 - Pyrénées-Orientales

Sector : Market Gardening,  
Tree production, Horticulture,  
PPAM



## MECHANISATION AND AUTOMATION

## 7 PRIZEWINNERS



### Autonomous robot for thinning tomato leaves

After 3 years of R&D, in collaboration with producers, Aisprid deployed its first wave of precise and evolving robots in 2023, for thinning tomato plant leaves, as a response to the lack of manual labour.



**AISPRID**  
35 - Ille-et-Vilaine  
Sector : Market Gardening



### VIROC

VIROC is a tractor and tool carrier that is suitable for all types of farm. Highly adaptable it can receive different implements and its rotating cab enables it to be used with implements on the front or behind. Its narrowness and its ability to be fitted with several types of wheel enable it to be used on steep slopes, or in narrow rows.



**CHABAS SAS**  
13 - Bouches-du-Rhône  
Sector : Market Gardening, Tree production, Wine production, Cider production, Horticulture, PPAM



### ECOSPADER 2030

Innovative and ecological, the Ecospader 2030 is a disced asparagus bed ridger. It creates homogenous loose mounds without damaging the spears, thus improving asparagus quality and ease of harvesting. It uses less fuel, emits less CO2 than a rotary ridger, and maintains green cover between the rows. The Ecospader 2030 meets the requirements of producers who care about the quality of their produce.



**SAS AGRIVALOIRE**  
37 - Indre-et-Loire  
Sector : Market Gardening



### Machine for harvesting melons

REAM-AGRI is offering this innovation, that relies on a patented melon picking head and mechanical conveyor and then a bottleneck which enables the melons to be put into wooden crates without damaging them. This innovation limits the drudgery of the work, by eliminating the hard task of carrying the melons, enabling the technical work of the pickers to be concentrated on. The trials at Lorca(Spain) in 2019 showed that the crop picked into wooden cases was not rejected because of splits or damage. The farm also reduced its seasonal labour by 60%. Used in 2022 in the Luberon, it provided a high level of satisfaction



**REAM-AGRI**  
84 - Vaucluse  
Sector : Market Gardening

## MECHANISATION AND AUTOMATION

7 PRIZEWINNERS



### ENTOMATIC™

Entomatic™ is an automated machine that is capable of spreading a wide variety of natural predators in crops. With an ingenious design it can be completely customised in order

to suit the requirements of each producer, glass house design or crop. It has an ultra precise rate governor that enables the material to be spread exactly where the producer wants it, whilst maintaining the integrity of the natural predators for an even more effective organic response!



### EVOLT®

Thanks to its experience of soil working implements, Boisselet proposes EVOLT®. Which enables electrical energy which is available on the new generation of electric machines such as robots, high

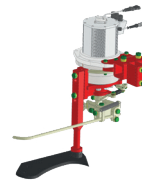
clearance and inter row tractors. It is designed for different types of adaptable or modular equipment for inter row hoeing and subsoiling efficiently using electricity.



### BIOBEST FRANCE

84 - Vaucluse

Sector : Market Gardening, Horticulture, PPAM



### BOISSELET

21 - Côte-d'Or

Sector : Tree production, Wine production, Cider production, Horticulture



### Self-propelled modular agricultural vehicle - AMA

The self-propelled AMA is a multifunctional electric machine that can carry out all the essential operations in market gardening conditions. Like a Swiss penknife, it is effective and fully adaptable for operations such as planting, weeding, hoeing, harvesting...

It makes work less tiresome, it is easy to use and improves the environment because it is silent and does not emit exhaust gases.



### ELATEC

32 - Gers

Sector : Market Gardening, Horticulture, PPAM





### Trap Eye™

Thanks to the innovative Trap-Eye™, producers have a reliable, regular and overall vision of the insect populations throughout their glasshouses that is fully automated. The equipment relies on a dense network of sticky panels that are associated with cameras that take photographs of them at a constant rate in order to enable artificial intelligence to detect six species of pest and beneficial insects.



### BIOBEST FRANCE

84 - Vaucluse  
Sector : Market Gardening, Horticulture, PPAM



### PommaQuality

Thanks to a simple mobile application PommaQuality is capable of evaluating instantaneously the quality of apples during picking, by using artificial intelligence the apple calibre and colour provides producers with precise information for packing. PommaQuality combines artificial intelligence and agricultural know-how in order to optimise orchard management and add value to crops.



PommaQuality

### SAS ARBOFLOW

79 - Les Deux-Sèvres  
Sector : Tree production



### Dosepilot

Aptimiz offering a new system that enables farmers and wine producers to spray in compliance with the legislation concerning traceability thanks to its new module called Dosepilot. This innovation enables the mix in the sprayer to be declared by scanning the barcodes on the spray containers. By detecting the amount incorporated, the application rate per hectare is calculated. The area covered is calculated using Aptitrack.



### APTIMIZ

49 - Maine-et-Loire  
Sector : Tree production, Market Gardening, Wine production, Horticulture, PPAM



### Cclair Mapping service for adjusting thinning

Cclair is the first mapping service for flowering, in order to optimise thinning. It is an innovative decision-making tool that enables tree producers to manage thinning autonomously, thanks to an overall and objective vision of the orchards. The producer defines his own strategy in order to modulate thinning and chemical/ mechanical operations. The benefits generated are a reduction in chemical application frequency of 35% and a yield increase of 15%.



### AGRI CONNECT

04 - Alpes-de-Haute-Provence  
Sector : Tree production, Cider production



### Groupe d'eau glacée Kibo

An original answer for the requirements concerning economy and energy performance for cold store and refrigeration users that unites a high energy yield, combined with reduced environmental impact. The KIBO chiller is a revolution in the world of refrigeration. Consideration of the environment even with the smallest details from conception to installation and also maintenance, it provides a 47% saving in electricity annually (measured by the specialist independent organisation Optinergie – August 2023), or even more, depending on the settings and the climate.



### QUERCY RÉFRIGÉRATION

82 - Tarn-et-Garonne

Sector : Tree production, Wine production



### LES SANS CULOTTE®

You are probably aware that in France, tons of plastic are used in horticulture. Sometimes it can be recycled, sometimes not, but in reality just about all of it is burnt or buried. LES SANS CULOTTE® offers

marketing advice to producers that have made the choice to use plastic free Fertil pots. What is a SANS CULOTTE® plant ? It is the ability to go gardening without using plastic. SANS CULOTTE® is an ambitious and very different marketing method.



### FERTIL

88 - Vosges

Sector : Horticulture, PPAM



### A new system for washing glass bottles for re-use

A service based on a new system for glass bottle washing for re-use : environmentally friendly technology reducing water and energy consumption, and greenhouse gas emissions. An important step towards sustainability.



### BOUTIN GROUPE

44 - Loire Atlantique

Sector : Wine production, Cider production







## THE 21 INNOVATIONS FROM THE SIVAL INNOVATION CONCOURS 2024



Find details about the prize-winning solutions : [CLICK HERE](#)  
Find high definition photos : [CLICK HERE](#)

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REUSSIR Fruits & Légumes  
Nourrir votre performance



## OPENING OF INSCRIPTIONS

Accreditations / inscriptions at the SIVAL have been open on online since 3 November.

You can register yourself and request your badge for the event now.

[CLICK HERE](#)



FRUIT 2050 is the bi-annual European event at the SIVAL and it is dedicated to the fruit sector.

In January 2024 at the SIVAL, Fruit 2050 will be pleased to welcome you with the new program whose general theme will be : The attractiveness and skills in the fruit sector : **HR in the fruit sector: the challenge for tomorrow ?**

- 4 guided themed circuits around the SIVAL
- A Conference and Roundtable discussion  
This Roundtable discussion will give the opportunity to experts and International Press Club journalists to speak, and provide an overview of practices.
- An opportunity for networking and conviviality over a cocktail.



The SIVAL Online application is available !  
Get connected with specialist plant production and optimise your experience with SIVAL Online

- An exhibitor directory
- A catalogue listing all the equipment, products and key services offered by exhibitors
- BtoB appointments made
- A catalogue with employment offers
- The complete program of conferences and speeches live/or on replay direct by using application
- The VIBE Business Convention
- An interactive plan of the show.

>>> Application is available at <https://online.sival-angers.com/c/sival> // Available at App store and Google Play Store.



[WWW.SIVAL-ANGERS.COM](http://WWW.SIVAL-ANGERS.COM)

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