KNOW, MONITOR AND PROTECT

ENTOMOFAUNA WITH INTELLIGENT TECHNOLOGY

The essential tool for researchers who need accurate data, automatic identification and real-time monitoring of insects in the field.

INVESTIGATE WITH PRECISION. DECIDE WITH CONFIDENCE.

Automatic monitoring, capture and identification system of insects for biodiversity studies and biological control.

AUTOMATIC CAPTURE
High resolution images

INTEGRATED IDENTIFICATION
Automatic species catalog

REAL-TIME DATA
Metrics, trends and alerts

REMOTE ACCESS AND STORAGE
Access your data from anywhere

TOTAL AUTONOMY
Solar energy and field design

SCIENCE THAT PROTECTS.
TECHNOLOGY THAT TRANSFORMS.

Support your research with reliable data and cutting-edge technology.

SELECT-TRAP helps you in your work

The selective trap that lets you control and access data to automatically identify and quantify entomofauna

- It helps you understand entomofauna with real, visual and quantifiable data without needing to travel.
- It enables more planned and less reactive action.
- It guides decision-making with a clearer view of the situation.
- It self-manages, minimizing travel and time spent. Let it run on its own; it will notify you when it needs you.
- It is easy to transport and its autonomy allows it to be placed anywhere.
- It avoids the use of traps that endanger beneficial species.
- It lets you quickly know when a species is in the study area: early detection.

- If you use them, it minimizes the consumption of attractants, infesting agents...
- To make it more effective, an automatic system disperses the attractant into the environment so that it can be detected from farther away by unwanted species and guides them directly to the trap.
- Products such as attractants or infesting agents are kept in a closed environment, and only the necessary amount is automatically dosed, avoiding evaporation and unnecessary losses.
- Each target individual can be captured or infested. The process is automatic and you can modify it whenever you want without traveling or touching anything.
- Non-target individuals are automatically released.

- You will have real-time information and everything is controlled remotely:
  - What captures it has made
  - How many individuals it has infested
  - How many it has released
  - The levels of attractant and infesting product, and replacement forecasts
  - It makes it possible to know the effectiveness of attractants and infesting agents
  - Access to camera images
  - Statistical data on captures, infestations, consumption, visit frequency...
  - Highly configurable and integrable with BIG DATA systems
  - ...
- It is monitored 24/7, 365 days a year

SELECT-TRAP
SELECT & PROTECT

For research, control and monitoring teams

SELECT-TRAP

Intelligent selective trap

Intelligent protection and control
Research and control

PROTECTS More data for your studies means more knowledge. More knowledge means better decisions.	**REDUCES UNNECESSARY TRAVEL** Information and control to better prioritize where to act.
ORGANIZES THE RESPONSE Turns entomofauna monitoring into a more systematic process.	**OPTIMIZES EFFORTS** Focus your efforts on the activities that require them.

From uncertainty to control

1. DETECT	2. ACT	3. DECIDE
Know better where pressure appears and when to intervene.	Apply measures and manage entomofauna with greater knowledge.	Save time, resources and travel, and focus efforts on actions.

A trap that thinks before it acts.

SELECT-TRAP combines intelligent capture, vision and artificial intelligence to turn pest control into an informed decision.

Each detected insect can be analyzed according to criteria such as species, behavior, morphology, environmental risk and presence in entomological databases.

The result is a system capable of differentiating between:

- beneficial insects
- pollinators
- non-harmful native species
- invasive species
- insects harmful to crops, hives or ecosystems
- specimens of interest for scientific cataloging.

SELECT-TRAP does not replace the natural balance. It respects it.

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It does not trap more.
It traps better.

WHY IT IS DIFFERENT

- Identifies each insect
- Protects pollinators and beneficial species
- Captures and controls only what is indicated
- Allows cataloging and identifying the entomofauna
- Promotes a real ecological balance
- You have information and can make decisions
- Lets you devote your time to more productive tasks

Capture less. Protect more.

INTELLIGENT CONTROL. REAL BALANCE.

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To protect is to know how to distinguish

1. Identify the insect

2. Classify it and decide

? What to do?

1. Capturerit
- Capture area
- It is retained

2. Infest it
- Feeder
- Once it is satiated
- Infestation area
- Releases it

3. Release it
- Releases it

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SELECT-TRAP

Intelligent, autonomous and remote technology
for the control and study of entomofauna

Set up and ready

Autonomous, automatic
and ready to operate
from the very first moment.

1 ADVANCED TECHNOLOGY

- NVIDIA AI for reliable operation
- 2 high-resolution cameras
  to identify insects
- Local and cloud storage
  with 24/7/365 access
- 3G, 4G, 5G and satellite connectivity
- Internal sensing to track
  the insect's position

2 INTELLIGENT DOSING

Automatic system with micropumps that applies only the exact dose of attractants and infestants, improves their preservation and avoids contamination or contact with unwanted fauna.

3 FULLY CONFIGURABLE

Capture · Release · Infest · Mark · Record

It adapts to every control or study need and can be managed remotely from a computer, tablet or smartphone.

4 HASSLE-FREE AUTONOMY

- No installation required
- Minimal maintenance
- You choose the attractants and infestants
- Advance alerts for refilling and planning
- Discreet design that blends
  into the environment

More precision. Less travel. Greater control.

SELECT-TRAP optimizes the control and research
of entomofauna with advanced technology and remote management.

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The SELECT-TRAP difference

A conventional trap captures. SELECT-TRAP understands.

A conventional trap measures success by the number of insects caught.

SELECT-TRAP measures success in precision, protection and knowledge.

It is not about capturing a lot. It is about capturing well.

It is not about acting all the time. It is about acting only when it matters.

It is not about fighting nature. It is about helping it restore its balance.

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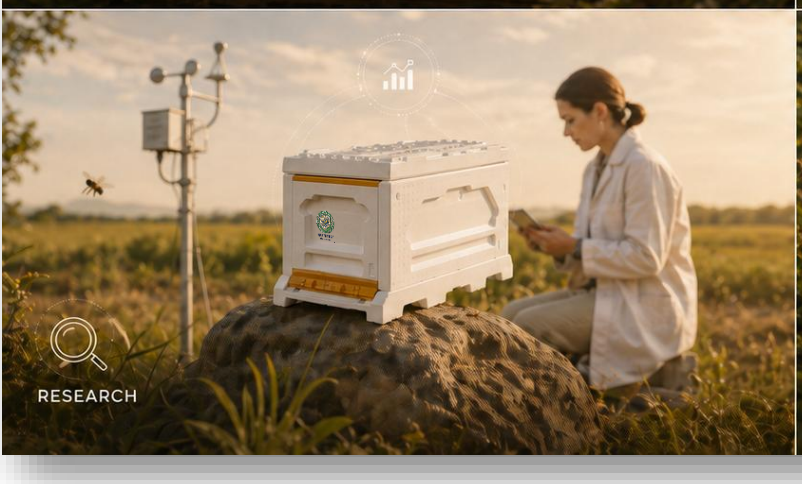

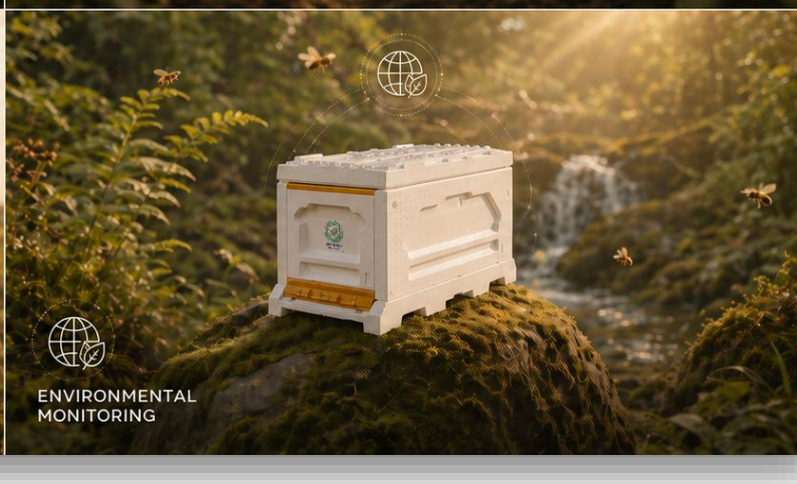

Designed for those who need to protect without destroying

SELECT-TRAP is designed for environments where protection matters:

- agricultural holdings
- beekeeping operations
- natural parks
- nurseries and botanical gardens
- biodiversity projects
- municipalities and rural areas

Its potential users are:

- beekeepers
- farmers
- cooperatives
- public administrations
- research centers
- invasive species control programs

Use Examples

Pest control: protection against invasive species (beekeeping: Velutina, Crabro...), or any other type of entomofauna that poses a threat to crops or other species.

Entomological research: study the behavior of specific insects in their natural habitat.

Protection of gardens and urban vegetable plots: keep your plants safe from pests without harming other beneficial insects.

Insect population monitoring: track the evolution of insect populations.

Early detection: detect uncatalogued entomofauna or new arrivals in the area at an early stage.

Species conservation: protect endangered insect species.

Biological control: use the trap to attract predatory insects that prey on pests.

Where a pest can cause damage, but indiscriminate capture can too.

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SELECT-TRAP is part of the "Selective protection" project initiative. A privately driven project that, drawing on more than 30 years of experience in the technology sector and in the use of the most advanced technologies, seeks to help sectors threatened by invasive species or by situations that are putting the natural balance of other species at risk, affecting both nature itself and local economic activities.

SELECT-TRAP moves from manual observation to automated surveillance, enabling biodiversity to be decoded at an unprecedented scale.

SELEC-TRAP does not only capture data; it captures the future that others still cannot see

Request information at info@select-trap.com or learn more at https://www.select-trap.com

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