ICBpharma Crop Solutions®



SilTAC® EC

Crop pest control without pesticides.

Reliable approach to safety.

Siltac EC is a crop pest control product based on patent-protected 3D-IPNS™ technology.

It is a mechanically acting product that immobilises pests present on the plant when sprayed. It is designed to provide a safer, pesticide-free way to control pests such as:

- **aphids**
- **spider mites**
- **whiteflies**
- **psyllids**
- **scale insects**
- **thrips**



The principle behind the product is to use the safest possible ingredients in a way that is least harmful to the consumer and the environment.

developed by ICB Pharma

3D IPNS™ technology

Proven technology:

3D-IPNS™ technology was developed to provide an alternative to chemical crop protection. The result is a mechanically active product that, by design, does not penetrate the bodies of insects or the plants being sprayed. Silicone polymers, the main component of Siltac EC, break down naturally when exposed to water and other external factors. Immobilized, dead insects fall off the plant naturally by themselves, and wind and rain further accelerate this process.

Safety for you and your family:

Siltac EC was found to be safe for use on large and small farms, under cover, in the garden and indoors. The risk assessment analysis, performed in accordance with European standards, showed that Siltac EC does not pose a risk to bystanders and requires only basic personal protective equipment.

Summary of risk assessment for operators, workers, residents and bystanders:

	Personal protective equipment / Risk reduction measures
Operators	- **Outdoors:** work clothes and gloves. - **Indoors:** work clothes, mask filtertype 2, gloves.
Workers	Work clothes and gloves.
Residents	None
Bystaders	None

Reliability – Safety – Trust.

In the years that Siltac EC has been on the market, the product has been repeatedly tested and trialed by both recognized institutions and consumers. Returning, satisfied clients are proof of the product's effectiveness and safety, and sales continue to grow worldwide.

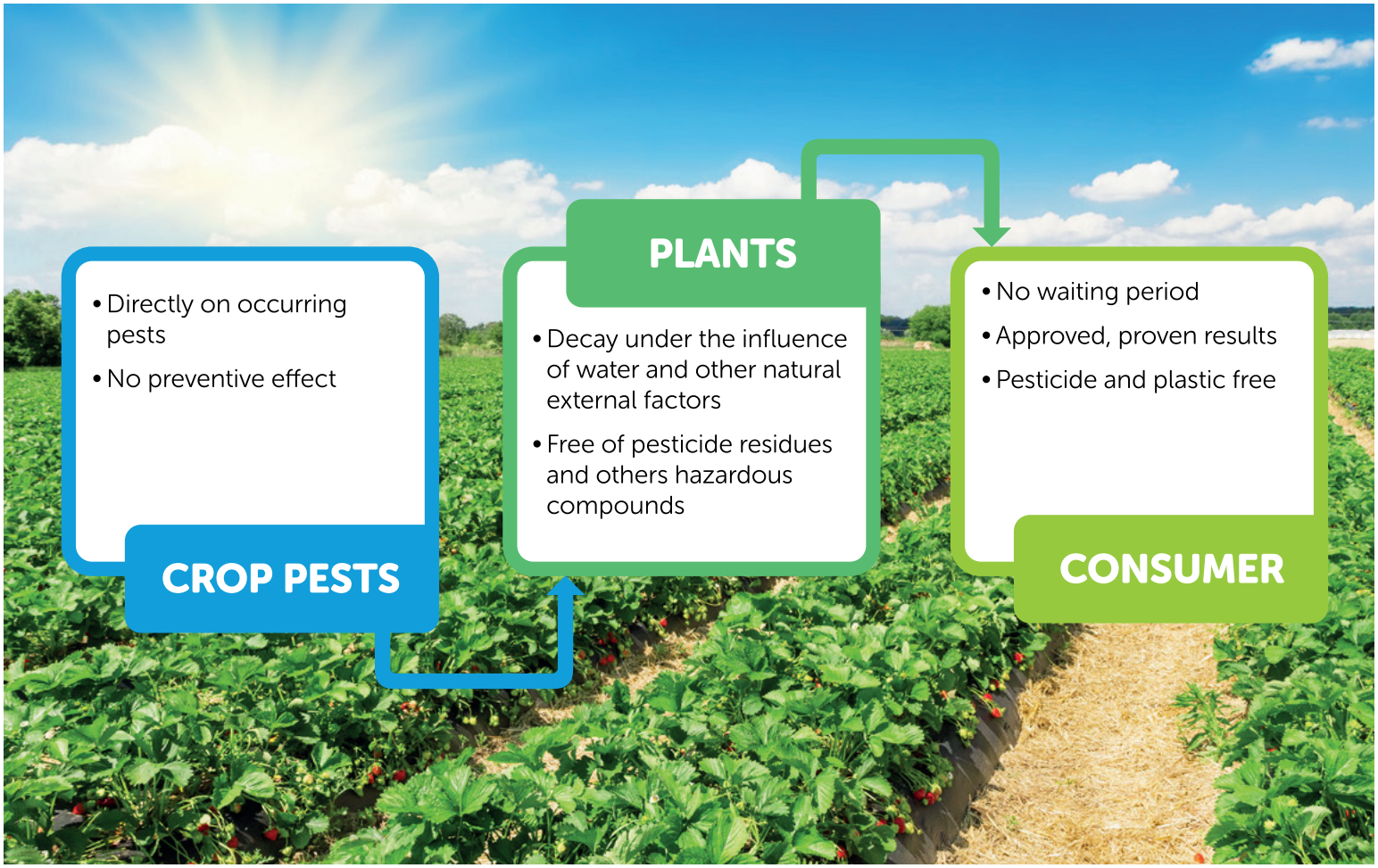
Siltac EC is ready to face the ever-growing awareness of the need to protect health and the environment.



Siltac EC is a beneficial alternative to traditional crop protection products:

Years of experience and testing	Siltac EC has been on the market since 2013. The product has been extensively tested and is used by thousands of farms and households in over 100 countries every year.
Quality and technology	Each Siltac EC ingredient is manufactured to the highest quality and is registered in accordance with Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Focus on the consumer and the environment	In the interest of safety, Siltac EC and its ingredients have been thoroughly tested for toxicity and environmental impact. Dozens of studies performed in recognized institutions prove that Siltac EC can be used both on large farms and in home gardens. PZH (National Institute of Public Health, Poland) has positively assessed Siltac EC in terms of safety for humans and the environment.
Pesticide-free	Siltac EC has no active ingredient and is not considered a plant protection product. It is a pest immobiliser with no delayed preventive action. This increases the safety of the product for beneficial insects and the consumer, and does not induce a resistance effect in pests.
Organic farming	The polymers that are the ingredients in Siltac are approved and used in organic farming in the USA. They meet the strict requirements of this market.
No waiting period	According to many tests and experiences, the product can be safely applied to edible plant parts just prior to harvest. Just a rain or a quick rinse of the sprayed area before consumption can ensure further safety.
Degradation	The silicone component of Siltac EC rapidly decomposed via hydrolysis (reaction with water) under appropriate conditions. Hydrolysis is expected to be a major route of elimination of this substance from the environment.
Well thought-out design	The silicone polymers contained in Siltac EC form large, complex molecules. Which means they are unlikely to be absorbed through the oral, inhalation and dermal routes, as indicated by the EPA's Structural Activity Team (SAT).
Plastic-free	According to the draft EU Regulation and the final opinion adopted by the Risk Assessment Committee (RAC) Siltac EC ingredients are not considered microplastics (i.e., solid, plastic particles less than 5mm in size, as defined by European Chemicals Agency (ECHA)).
Safety and easiness of spraying	Based on risk analyses performed in accordance with European standards, the application of Siltac EC requires only basic personal protective equipment and is safe for bystanders. The product is easy to apply by both amateur gardeners and large farm owners.

Crop pest control without pesticides.



Reliable approach to safety:

We have made every effort to develop a safer and more effective product as an alternative to pesticides. The results are positive tests reports and excellent reviews and approvals from recognized institutions and markets:

- **PZH** (National Institute of Public Health)
- **Many GLP-Certified Laboratories**
- approved in **organic farming** in the USA

All ingredients contained in Siltac EC are registered in accordance with Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).



SilTAC® EC

Crop pest control without pesticides.



Manufacturer

ICB Pharma
10 Lema Street
43-603 Jaworzno, POLAND
+ 48 32 745 47 46
crop@icbpharma.com

ICBpharma Crop Solutions®

www.siltac.eu