

## TECHNOLOGIES ENTRY FORM - WIPO GREEN

**Please make sure that you do not inadvertently disclose any confidential business information that you should keep secret.**

Before submitting your technology solution for inclusion on WIPO GREEN, please check that you have not disclosed any confidential business information. Once such information has been shared, it may not be possible to prevent its use by third parties. Moreover, your submission may constitute online disclosure, thus making it impossible to obtain a patent in the future (if you have not already applied for or secured patent protection for your invention).

You will find more information about trade secrets here:

<https://www.wipo.int/tradesecrets/en/>

### Technology

\* Mandatory

<b>Title *</b>	Biocap® bioinsecticide/bioacaricide
<b>Short Summary</b>	
<b>Description *</b>	Biocap® is a bioinsecticide and bioacaricide that acts by contact, formulated from its active ingredient Capsaicin, a natural compound of vegetable origin obtained from the ripe fruits of Capsicum frutescens L., enriched with a highly stable formulation that allows a highly efficient control performance. This bioinsecticide acts by repelling plagues. Biocap® is an alternative for organic and conventional production, since it is a natural product with organic certification and without deficiencies, complementing in a good way the different phytosanitary programs, as well as the operational management in the orchard. It has a broad spectrum of action on insects and phytophagous mites such as White Pigs, Thrips, Moths, False red vine spiders and Spider mites, among others.
<b>Keywords</b>	<a href="#">Acaricide</a> , <a href="#">Biologicals</a> , <a href="#">Insecticides</a> , <a href="#">Reduction of agrochemicals</a> <i>Identifiable keywords in a free text box, separated by a comma or semi column, Maximum 500 characters</i>
<b>Website</b>	<a href="https://www.syngenta.cl/product/crop-protection/biocap">https://www.syngenta.cl/product/crop-protection/biocap</a>
<b>Technology categories* (irrigation, fertilizer, etc.)</b>	<a href="#">Biological insecticide</a>
<b>Collections</b>	<a href="#">LAC Climate Smart Agriculture</a>

*Only to be filled if your upload is part of a WIPO GREEN Acceleration Project or similar. If in doubt, leave blank.*

<b>Country of Development*</b>	Switzerland
<b>Country of Deployment</b>	Chile
<b>Technology Appraisal</b>	

**Environmental benefits**

**Major environmental benefits**

Air	
Biodiversity and ecosystems	x
Energy	
Food	
Forestry	
Greenhouse gases	
Land	
Mining and Metals	
Natural gas	
Oil	
Sea	
Solid fuel	
Water	
Other (please specify)	

<b>Summary of benefits*</b>	<p>Biocap has a repellent action, activating neuroreceptors that dissuade insects and mites, minimizing direct attack or damage and oviposition. And, on the other hand, it has an anti-feeding mode of action, as a stomach upset, altering the intestinal integrity of insects.</p> <p>Additionally, it has a neurotoxic mode of action, altering the central nervous system in movement behaviors.</p>
<b>Technology limitations (operational, environmental, maintenance, know-how, security, etc.)</b>	

### Technology development

<b>Development stage / Readiness level (TRL) *</b>	TRL 9
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*Indicate TRL*

<b>Collaboration partners</b>	
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*Do you already have licensees, distribution partners, major clients or funders? Who are you currently working with: academic, corporate, investors?*

<b>Project summary</b>	
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*In case of applying*

### Business opportunities

#### Type of collaboration sought \*

For sale	Yes
For Services	
Joint Venture	
R & D contract or research collaboration	
License	
Other (please specify)	

Technical assistance available (documentation, materials, installation, personnel, training, software support, others)	
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Application (please provide more details on the role of your technology in the value chain - from raw material extraction to unloading / recycling)	
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**Looking for investment?**

**In case you are looking for investment, please indicate the type**

Bonds	
Grants	
Guarantee	
Private Equity	
Venture capital	
Other (please specify)	
Estimated amount in USD	

**Documentation available to potential investors upon request**

Business plan	
Executive summary	

**Intellectual property information**

<b>Type of patent</b>	
<b>Patent number</b>	
<b>Office</b>	

**Contact Information**

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<b>Lastname *</b>	Fuentes
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Website	<a href="https://www.syngenta.cl/">https://www.syngenta.cl/</a>

Image (photos, drawings, diagrams, others)



Bioinsecticide Biocap®