BIOCOMES

Project ID: 612713
Funded under: FP7-KBBE

Biological control manufacturers in Europe develop novel biological control products to support the implementation of Integrated Pest Management in agriculture and forestry

From 2013-12-01 to 2017-11-30, closed project

Project details

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<tbody>
<tr>
<td><strong>Total cost:</strong></td>
<td>EUR 12 086 533</td>
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<tr>
<td><strong>EU contribution:</strong></td>
<td>EUR 8 997 264</td>
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<td><strong>Coordinated in:</strong></td>
<td>Netherlands</td>
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<td><strong>Topic(s):</strong></td>
<td>KBBE.2013.1.2-05 - Biological control agents in agriculture and forestry for effective pest and pathogen control</td>
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<td><strong>Funding scheme:</strong></td>
<td>CP-TP - Collaborative Project targeted to a special group (such as SMEs)</td>
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Objective

"The objective of BIOCOMES is to develop 11 new biological control agents (BCAs) for key markets in European agriculture and forestry. BCAs were identified through market analysis by six manufactures of biological control products. BCAs will primarily be for use in open field crops of vegetables (3), of which 2 are also for use in protected crops, arable crops (3), fruit crops (3), and three different types of forests (2). Primary targeted pests are: gypsy moth (Lymantria dispar), pine weevil (Hylobius abietis), tomato pinworm (Tuta absoluta), white flies, aphids of fruit tree crops and Mamestra brassicae. Primary targeted pathogens are: damping-off diseases in forest nurseries, soilborne pathogens of oilseed rape and cereals, brown rot (Monilinia spp.) of stone fruit, and powdery mildew of cereals (Blumeria graminis). The economic sustainability during the entire development process will be assessed by the responsible industrial partners. The environmental sustainability will be quantified for each BCA by means of the Sustainable Process Index method. The entire developmental process for each of the 11 BCA products is guided by a consultancy partner specialized and leading in (bio)pesticide registration including risk assessments for European (bio) pesticide industries. In vitro production of entomopathogenic viruses as new innovative technique like will be developed aimed at a breakthrough in economic production. Downstream-technology and shelf life for entomopathogenic nematodes will be improved. BIOCOMES will communicate project results with all stakeholders with special attention to European IPM networks throughout the whole project duration. BIOCOMES combines the expertise of 10 industrial SME partners, 3 larger industrial partners and 14 research partners with 38% of the requested EU contribution supporting SMEs. All 11 BCA solutions will be novel IPM tools and new alternatives to replace major pesticide applications in European agriculture and forestry."

Related information

| Report Summaries                      | Final Report Summary - BIOCOMES (Biological control manufacturers in Europe develop novel biological control products to support the implementation of Integrated Pest Management in agriculture and forestry) |
Coordinator

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Last updated on 2015-03-11
Retrieved on 2019-09-06

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