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XXXXIII

International Apicultural Congress  
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*Discover the European Honeyland*

**Apimondia**  
Kyiv, Ukraine 2013

# Scientific Program

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*Oral presentation abstracts  
& poster list*

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In feeding amount assay, sugar solution mixed with lime sulfur was least fed (52% of the control) followed by ATS (75%), carbaryl (77%) and Control (99.9%). High susceptibility was found for oral test than other test assay. In this assay, LC50 values were 251 µg/g bee and 543 ppm for Carbaryl spray and for oral 48 hours after treatment respectively. Similarly, LC50 values for lime sulfur were oral 1631 ppm. Least feeding was observed in lime sulfur among Chemical compounds.

Further experiments on residual toxicity and large scale field studies are demanded to contribute for development of safe flower/fruit thinning chemical agents and pollinator protection.

## Conservation & Restoration Of The Wild Pollinators Of A Rare Threatened Plant Within The LIFE+PP-ICON Project (LIFE09/Nat/It/000212)

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The PP-ICON project (Plant Pollinator Integrated CONservation approach: a demonstrative proposal) is a LIFE + Biodiversity project focusing on the conservation of the locally rare plant *Dicampanus albus* L. and the community of its natural pollinators. In Europe the natural populations of this plant are declining because of habitat loss, due to land-use changes, and scarcity of pollination service. The parallel decline of wild pollinators, due to loss of floral sources and nesting sites - mainly for anthropogenic causes - poses at risk the mutualistic plant-pollination interaction.

In the first two years of the project, pollinators of *Dicampanus* have been identified. Despite being visited by many insect species, our data indicate only medium-large Apoidea as effective pollinators; by contrast, small bees frequently visit the flowers, but behave as nectar or pollen robbers. Based on these results, conservation actions were directed towards the "good pollinators", supplying them with suitable nesting sites, and rearing and introducing them in the project area.

