

# C.R.A.- ISTITUTO SPERIMENTALE PER LA FLORICOLTURA

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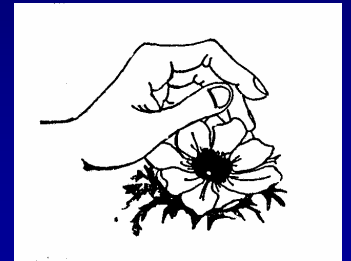


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- 4 Sezioni centrali a Sanremo
- 2 Sezioni periferiche a Pescia e Palermo



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## Sections:

- Biology and Crop Protection
- Breeding
- Propagation
- Agronomy and cultivation techniques

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The Biology & Plant Protection Dept. (BPPD) is concerned with solving practical problems of diseases and pests in ornamental crops, studying:

- Phytopathological problems (mainly fungal diseases, their chemical and biological control measures and the plant/fungi interaction physiology).
- for Entomology: biological control techniques.

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## Fungal pathogens and control methods

- Foliar diseases in cut flowers and green foliage: chemicals and biological control methods.
  - Chemicals and biocontrol agents against Fusarium wilt (carnation, cyclamen and lily).
  - Powdery mildew and grey mould control on rose during cultivation and post-harvest
- Detection and characterization of Verticillium on rose by molecular analysis techniques.

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## Host-pathogen interactions

- Characterization and identification of fungitoxic molecules extracted from carnation plants resistant to the Fusarium wilt.
- New phenolic natural molecules with low environmental impact and pesticide properties.

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## Entomology

- Scales population of ornamental crops of Liguria region: an accurate study of its composition to set a suitable biological control program.
- Analytical survey of Aphid populations of ornamental species in the Italian riviera, to develop an IPM.
- Biological and integrated spider mite control on greenhouse roses.

# Biology and crop protection laboratories



