



# WINNING STRATEGY



**Biological control  
of Chestnut gall wasp**

**OASIS S.r.l.**

**safeguards the health of chestnut**



Oasis s.r.l. is a Research and Development Center that, since 2009, carries out activities to fight the spread of Chestnut gall wasp and to introduce the biological control of this pest insect.

The center cooperates with public and private Research Institutes, as well as with the major national Universities.

From 2012 to June 2015, OASIS S.r.l. collaborated with **IPSP-CNR** (Institute of Sustainable Plant Protection – National Research Council of Italy) and **D.I.S.A.F.A.-UNITO** (Department of Agricultural, Forest and Food Sciences – University of Torino) in a project, called **OPTYMUS**, that had made 20 fields for mass rearing of the parasitoid *Torymus sinensis*.



Geographical distribution of *C. Sativa*. Fonte: [bioversityinternational.org](http://bioversityinternational.org)

All of the chestnuts fields in the map are affected by Asian gall wasp.


**Actually, the most effective means of control of the pest is the biological control based on the introductions of the natural enemy: *Torymus sinensis*.**



Oasis S.r.l. offers different services to the stakeholders for implementing the biological control of Chestnuts gall wasp:

- 1) **Settlement groups of *Torymus sinensis***, natural enemy of Asian gall wasp. In every group there are about 100/110 females and 40/50 males of *Torymus sinensis*, released in 10/11 test tube. All of the material is certified by IPSP-CNR. Assistance is provided for released time and suitable ways;
- 2) Assistance is provided for the **realization of fields for *Torymus sinensis* mass rearing**, that are requisite for the rationalization of Chestnut gall wasp control according to the times and the intervention ways required by local conditions;
- 3) Assistance is provided to **verify the right settlement of *Torymus sinensis*** in the releasing sites during the time;
- 4) **Training courses** for chestnut growers, technicians, agro-technicians and land surveyors are organized in:
  - Chestnut Agronomic and phytopathological management;
  - Biological control of Chestnut gall wasp





Asian gall wasp is not eradicable from Italian chestnut fields. We must learn to live with this pest insect and to minimize the economic and environmental damages.

The biological control needs long time. A reduction of Chestnut gall wasp infestation will be found in 5/6 years from the releasing of its natural enemy.

**FOR RESERVATIONS AND INFORMATION**

**OASIS s.r.l. Centro di Ricerche e Sviluppo**

Street Bosco Faiano,3-83030 Torre le Nocelle (AV)

Italy

Registered in the Anagrafe Nazionale delle

Ricerche at n. 55567NRF

**e.mail: [info@oasis-srl.it](mailto:info@oasis-srl.it)**

**tel. 0039 0825 969282**

**fax 0039 0825 1801082**

***[www.oasis-srl.it](http://www.oasis-srl.it)***



Activities being organized in partnership with

**Associazione Castanicoltori Campani**

**Associazione Verde Collina**