

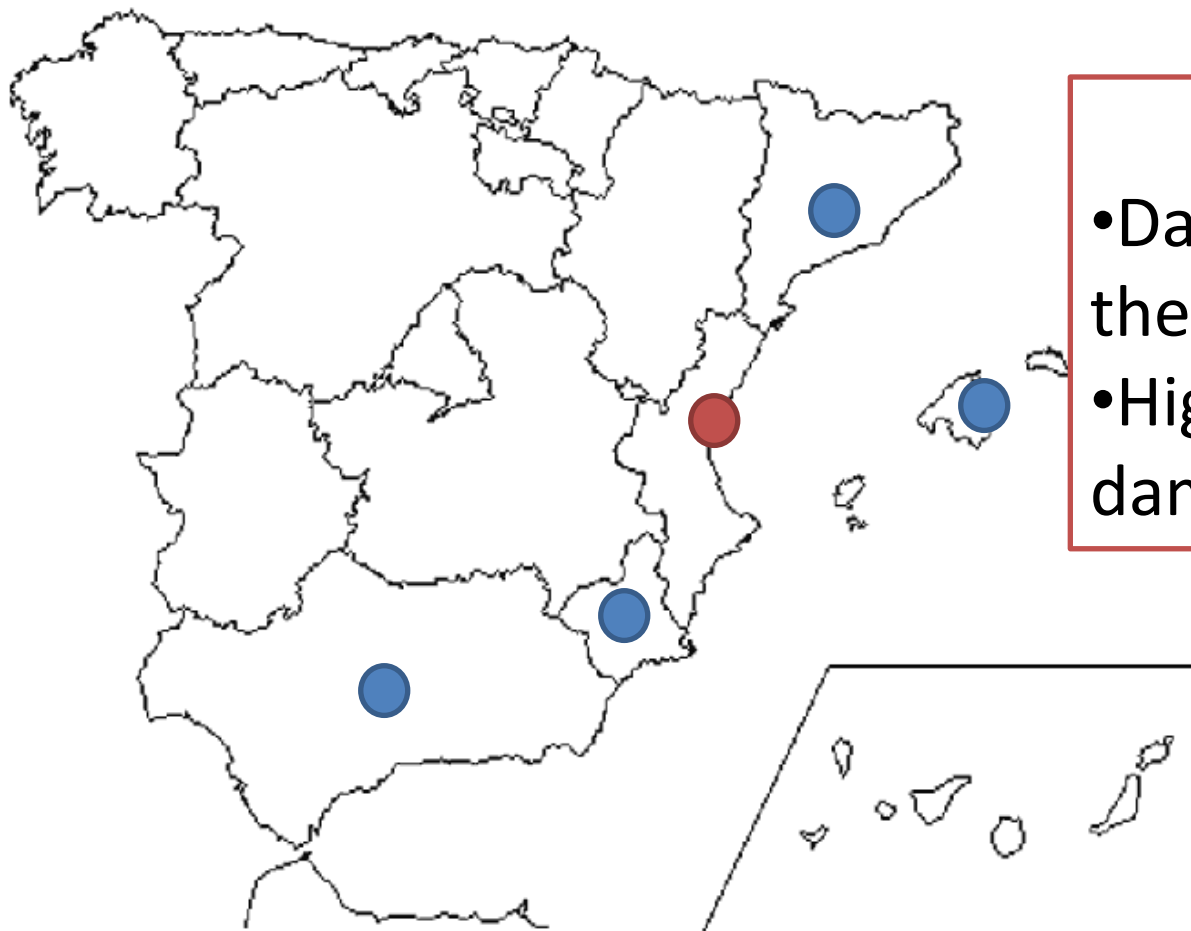
The current status of *Tuta absoluta* in Spain

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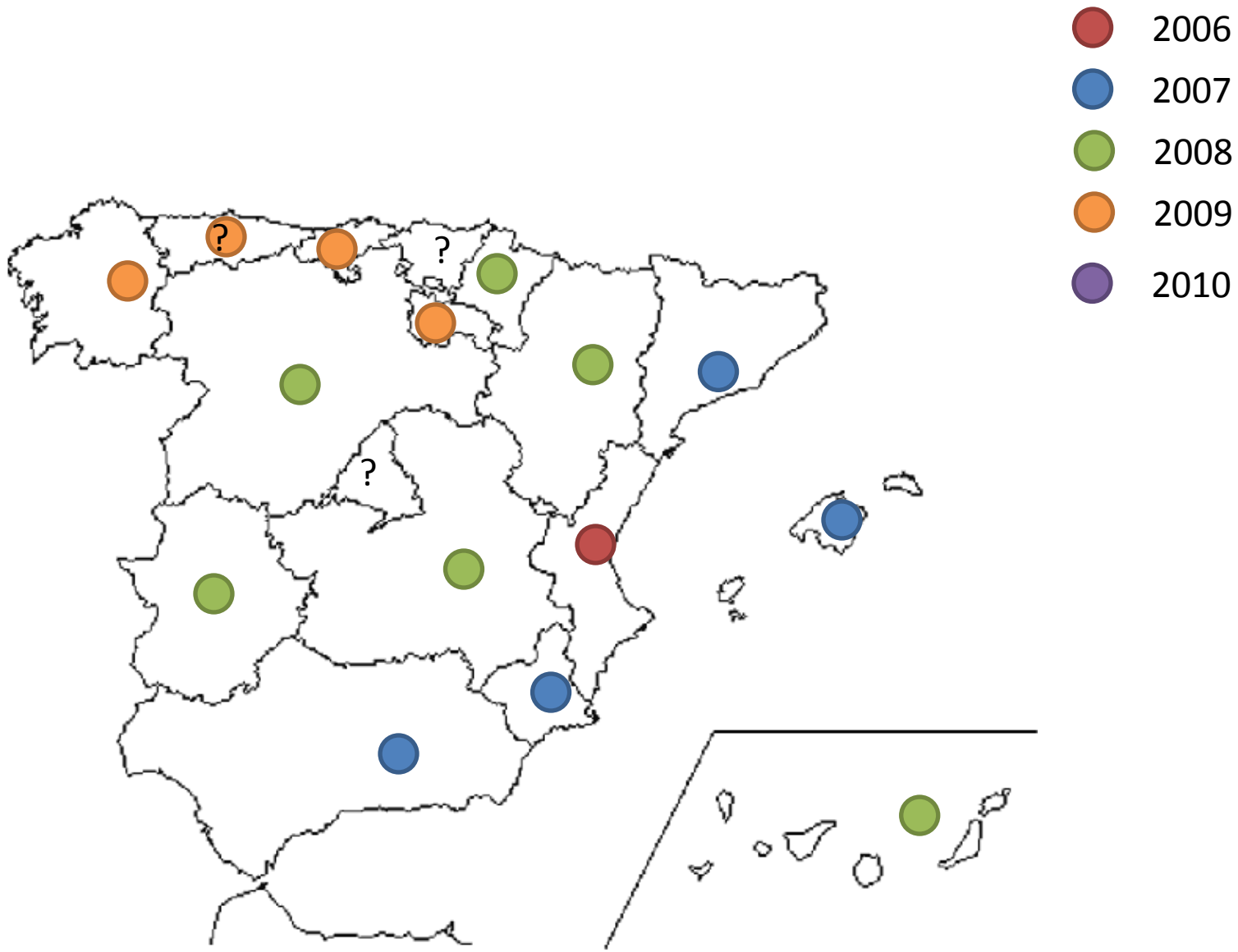
Colonization 2006-2007

- 2006
- 2007



- Damage on all the crop cycles
- High levels of damage

Situation on 2010



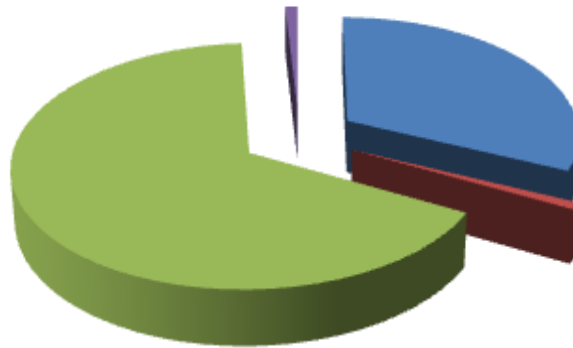
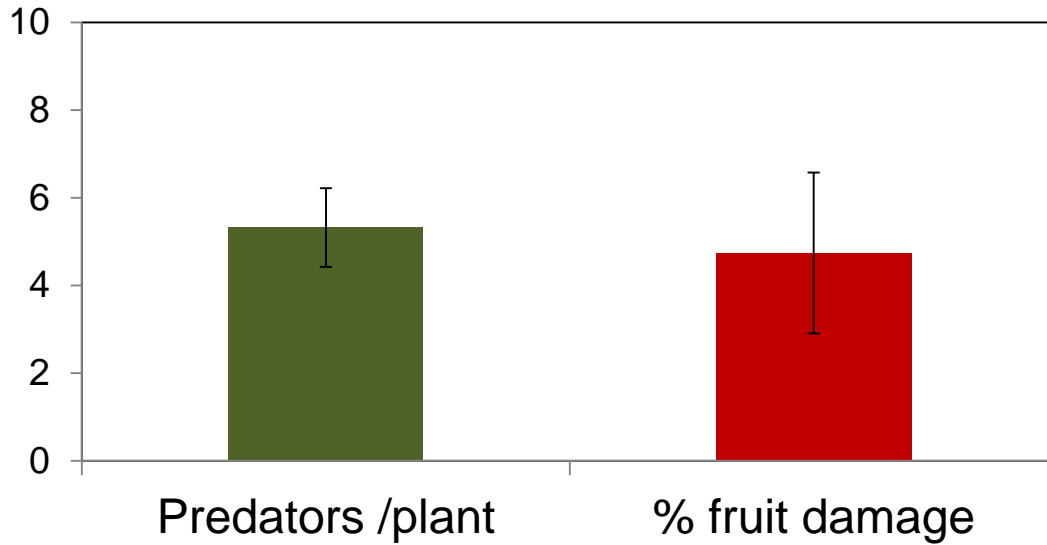
Tuta was surveyed in 109 fields

Average infestation:

- Index = 0.71 (level 1 = 1-5 galleries, 7 top leaves)
- Presence of fresh galleries in 23% of plants
- Average damaged fruits = 16%



Tuta incidence, fruit damage and predators was surveyed in 10 IPM fields (July-October)



Adults Macrolophus
Adults Nesidiocoris
Nymphs Macrolophus
Nymphs Nesidiocoris

Tuta on 2011

- *Tuta* was present in all tomato crop cycles (greenhouse and open field crops). Fresh market and processing tomatoes.
- High incidence of the pest only in some areas
- Reduced damage when supervision and control begins early in the crop
- Improved control with the combination of cultural, biological and chemical tools
- On greenhouses: IPM based on predators has increased



**Thank you very much
for your attention**