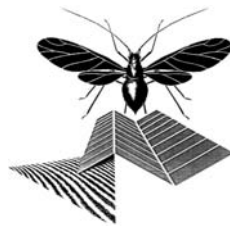


22e
Nederlandse
Entomologendag

17 december 2010
De Reehorst
Ede

P r o g r a m m a
A b s t r a c t s



Sectie Experimentele en Toegepaste Entomologie
van de Nederlandse Entomologische Vereniging

3.2 Longhorns in The Netherlands: evaluation of eradication of *Anoplophora chinensis*

A.J.M. LOOMANS, B.F. WESSELS-BERK & D.J. VAN DER GAAG

Plant Protection Service, National Reference Centre, Wageningen, a.j.m.loomans@minlnv.nl

The invasive longhorn, *Anoplophora chinensis* (Forster), has been intercepted on many consignments of plants for planting of *Acer* spp. originating from China and Japan. As a result of two small outbreaks in December 2007 (Westland) and November 2009 (Boskoop) on trees and shrubs outside a nursery, EC decided to take emergency measures to eradicate this pest. The results of the findings and eradication measures are discussed.

3.3 Mapping potential occurrence of exotic species using CLIMEX: case of the Asian hornet *Vespa velutina nigrithorax* in The Netherlands

A. IBÁÑEZ-JUSTICIA & A.J.M. LOOMANS

Plant Protection Service, National Reference Centre, Wageningen, a.ibanezjusticia@minlnv.nl

The Asian hornet *Vespa velutina nigrithorax* was introduced in southern France in 2004. During the inventory in 2009, nests were found in the vicinity of Paris. To predict the potential occurrence in The Netherlands, a CLIMEX study has been conducted. The results show the likely geographic origin of European populations of the hornet in Yunnan province (China), and the suitability of climate in The Netherlands for support their populations.

4.2 Geographic variation in photoperiodic induction of diapause in *Nasonia vitripennis* in Europe

SILVIA PAOLUCCI, LOUIS VAN DE ZANDE & LEO BEUKEBOOM

Evolutionaire Genetica, Rijksuniversiteit Groningen, s.paolucci@rug.nl

In order to survive in different environments, the cosmopolitan parasitoid wasp *Nasonia vitripennis* needs to adjust larval diapause induction to synchronize its life cycle with seasonal cycles. Photoperiodic diapause response (critical photoperiod for inducing diapause, the effect of maternal age and overall diapause incidence) in populations collected along a latitudinal gradient in Europe showed a latitudinal cline which is highly suggestive for adaptive significance.

4.3 Phenotypic and genomic characterization of parasitoid resistance in *Drosophila*

LAURA SALAZAR JARAMILLO & B. WERTHEIM

Evolutionaire Genetica, Rijksuniversiteit Groningen, L.Salazar.Jaramillo@rug.nl

Species of *Drosophila* show variable response against parasitoid wasps. The source of such variability is not well understood yet. We have tested 11 sequenced species of *Drosophila* regarding their response against the wasp *Asobara tabida*. We have also explored the presence of homologous genes involved in parasitoid response (from *D. melanogaster*) in the rest of the lineage. We show that the ability to successfully respond against the parasitoid as well as the pattern of absence/presence of some homologous genes, cluster according to phylogenetic relationships.