

# DESCRIPTIVE STUDY OF A BEE FARM DEDICATED TO QUEEN PRODUCTION IN COLONIA SEGOVIA (GUAYMALLÉN, MENDOZA, ARGENTINA)

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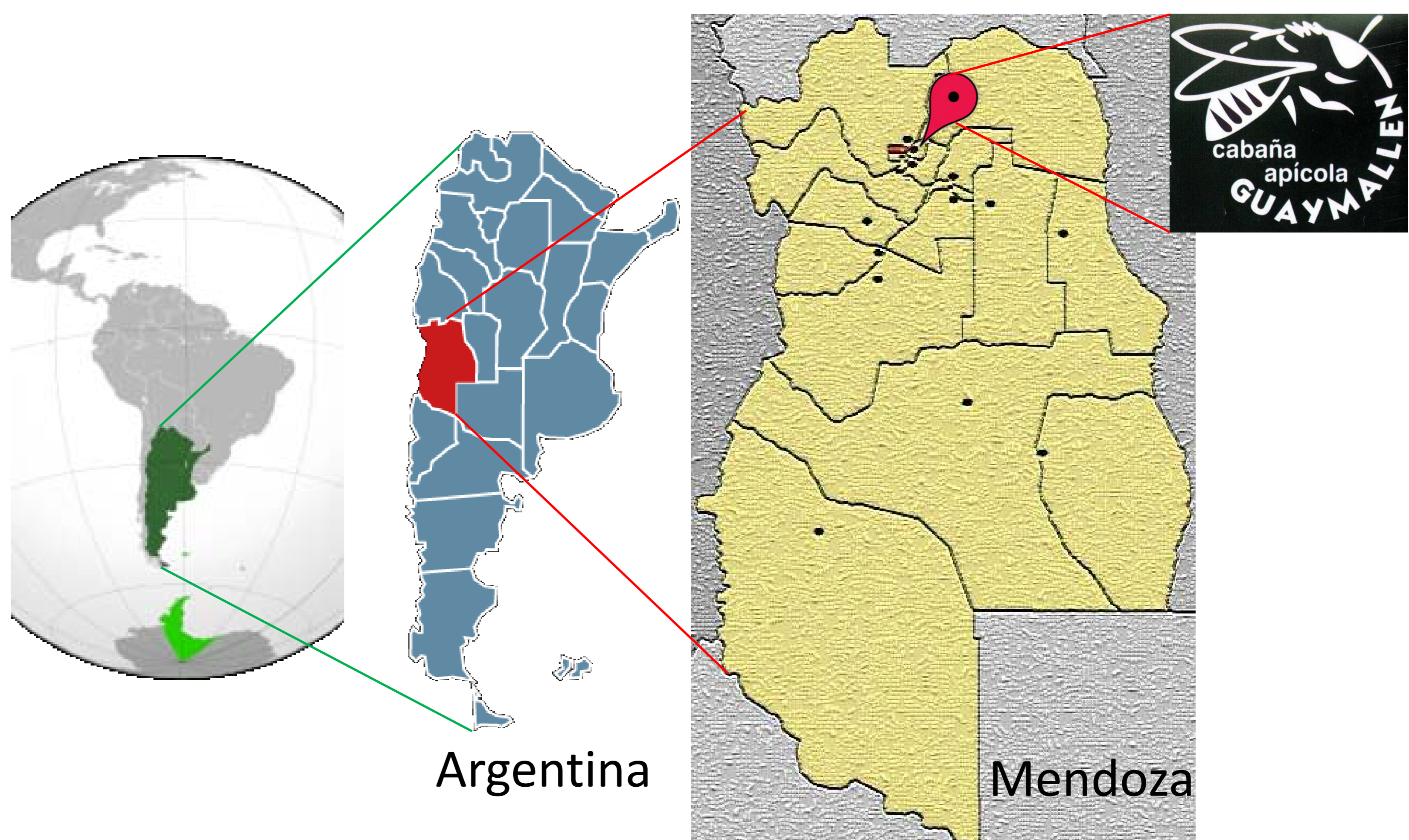
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## Abstract (Resumen)

The vegetation, climate and sanitary characteristics of Mendoza (Argentina) distinguish the province as an ideal location for the production of nuclei, packages and queens. A healthy amount of producers oriented to queen production for both domestic and international markets is found in this region. Even though general features are shared throughout the region, it offers some unique characteristics with regard to the work of each queen producer due to the subtle diversity of the province's ecosystems and other human factors. A **descriptive study of the primary characteristics of a Mendoza queen producer's bee farm (case study)** may later aid a comparative study to profile the characteristics of this particular area of bee farming in the region. This study analyzes a bee farm located in **Colonia Segovia (Guaymallén, Mendoza, Argentina)**. The work was performed by both a Breeders' Association technician and the beekeeper responsible for the bee farm. The methodology used comprised an interview based upon a standardized questionnaire together with information obtained in at least two visits to the bee farm over more than one season. This information was organized in diagrams and graphics that allow an easy and intuitive way of recognizing the main characteristics of queen production at the bee farm studied.

## Identification and location (Identificación y localización)

Cabaña Apícola Guaymallén	
Inaugurated in Inaugurada en	1982
Location Ubicación	Colonia Segovia, Guaymallén, Mendoza, Argentina.
Distance to Mendoza city Distancia a la ciudad de Mendoza	11 Km.
Distance to Buenos Aires city Distancia a la ciudad de Buenos Aires	978 Km.



## Some pictures (Algunas imágenes)



Queens & cells - Reinas y celdas reales

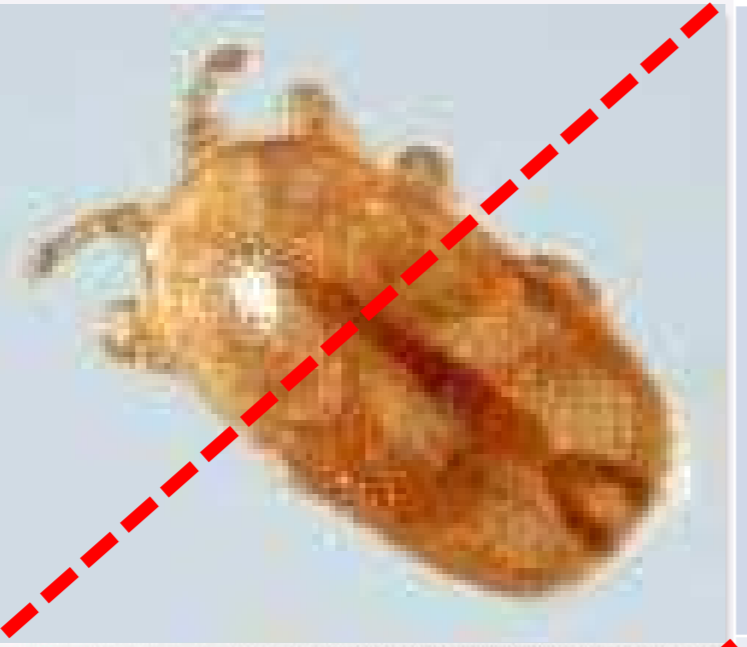
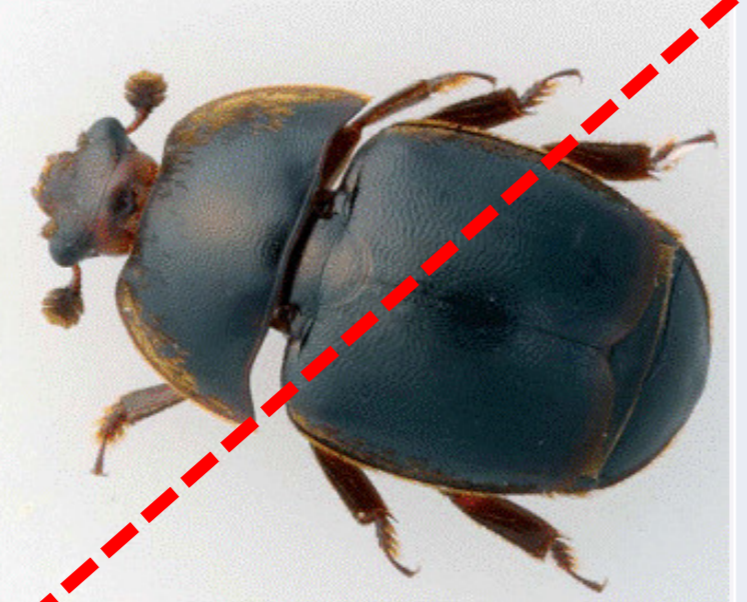


Mating apiary - Apiario de fecundación

Hygienic behavior - Comportamiento higiénico



## Sanitary status (Estatus sanitario)

	Argentina	Mendoza	Cabaña Apícola Guaymallén
 Tropilaelaps spp.			Free of clinical evidence. <b>No identification</b> of causal agent. Enfermedad y agente causal <b>nunca observados</b> .
 (Small hive beetle) <b>Aethina tumida</b> (Pequeño escarabajo de la colmena)			Free of clinical evidence. <b>No identification</b> of causal agent. Enfermedad y agente causal <b>nunca observados</b> .

## Production data (Información de la producción)

<b>Products</b> Productos	Queens - Queen Cells - Bee Packages - Nuclei Reinas - Celdas Reales - Paquetes - Núcleos
<b>Production of queens between...</b> Producción de reinas entre...	September - March Septiembre - Marzo
<b>Parameters of queen's evaluation before sell</b> Parámetros evaluados en las reinas antes de la entrega	Homogeneous oviposition, smooth brood pattern, good size and shape Postura ordenada, patrón de cría homogéneo buena forma y tamaño
<b>Parameters evaluated in queen breeding program</b> Parámetros de selección para la cría de reinas	Highly productive progeny, hygienic behavior, gentle temper and a good spring build-up Alta productividad, comportamiento higiénico, mansedumbre, rápido desarrollo primaveral

## Associative participation (Participación en organizaciones asociativas)

Regional Queen Bee Breeders Association  
from Mendoza, Argentina

Asociación Mendocina de Criadores de Abejas Reinas (AMCAR)



Bee breeding program in a geographically isolated drone congregation area

Programa de selección genética en una zona de fecundación geográficamente aislada