



NEW AGRICULTURE  
NEW GENERATION

## SUPPORT BEEKEEPERS - QUEEN REARING BREEDERS IN GREECE

Queen Rearing: Rescue and Genetic  
Improvement of Bees in Greece

**Bees are vital to both our health and the environment. They pollinate countless plants; 71 of the 100 plants which are responsible for 90% of the global food supply rely upon the bee-pollinators. Through the Queen Rearing program, our ecosystem is not only protected but is also getting stronger and more resilient towards the challenging climate conditions.**

**The Queen Rearing program is being implemented for the first time in Europe, Greece and it is designed in such a way so to set a benchmark for the beekeeping sector and be established as a “best practice.”**



It aims to utilize, rescue, and improve the genetic material of bees in Greece through a holistic and innovative approach. During the first stage of the program, young locals and new beekeepers are trained in the production of royal jelly, correct beekeeping practices and on a revolutionary genetic optimization method: From chosen beehives, very young larvae are transferred from workers' cells to artificial queen cells, thus producing genetically improved queen bees with the genetic material of the region. This way the ecosystem is protected, productivity increases, more persistent bee colonies are developed and a network connecting the scientific community with the local beekeepers is created. Simultaneously, collaboration between the beekeeping community of the regions that we implement the program is promoted, and as a result their personal incomes are increased.

This process will bring about the complete transformation of beekeeping in Greece through the optimization of the regional genetic material and the development of more resilient, and more productive bee colonies.



During the second stage of the program, professional queen rearing breeders, called “the grafters”, will organize queen rearing and grafting to produce genetically improved queen bees in beehives of the area they're responsible for, transferring the knowledge they have gathered to beekeepers. The artificial queen cells that are created will then be managed by the beekeepers for their own benefit, without any financial obligation.



Results:

10

trained “queen rearing”  
beekeepers

6.000

grafted queen  
bee cells

200

benefited  
beekeepers

Founding Donor

ΙΣΝ / SNF

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STAVROS NIARCHOS FOUNDATION

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## Creating Value

### For the local communities...

The needs of the local communities are pressing and continuously increasing. The role that so many cooperatives, as well as private operators, are called upon to fulfill today is that of generating shared value. The Queen Rearing Initiative creates shared value as it connects personal as well as society's

### For the professional beekeepers...

Those participating in the program acquire knowledge and skills that render them as competitive counterparts. Through Queen Rearing they can create a more reliant bee colony and improve their production, in terms of quantity as well as quality.

### For the environment...

The beekeeping sector involves itself with the management of bee colonies to produce mainly honey but also royal jelly, pollen, propolis and wax. Other than that, however, bees have a crucial role. They pollenate countless plants; 71 of the 100 plants that are responsible for 90% of the global food supply rely upon bee-pollinators. Climate change, the wildfires, the wasteful use of chemicals and the... incomplete knowledge, create crucial issues, thereby making the protection and aid of the beekeeping sector urgent. Through the Queen Rearing program, the environment is enhanced as well as protected.



## A Few Words About Us

"New Agriculture New Generation" is a non-profit organization, aiming to create career and entrepreneurship opportunities for youth in the Agrifood sector in Greece. The organization was founded in 2018 under the initiative and with the founding support of the Stavros Niarchos Foundation (SNF) as part of its "Recharging the Youth" program.

More information: [www.generationag.org](http://www.generationag.org)

### Our Results 2018-2022



**29.600+**

beneficiaries & professionals involved in our programs.  
This number refers to the total number of people that have benefited from our activities since 2018



**94%**

of our beneficiaries improved their production and technical processes



**35%**

of our beneficiaries adopted new farming and technical processes

### Our Leverage Effect

For every €1 we spent for our initiatives, €3.6 of economic output\* is estimated to be generated in the Greek economy.

### Founding Donor

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