

Stingless bee keeping, also known as meliponiculture, is a sustainable activity that does not harm the environment, it provides valuable products, such as honey and propolis, and it also helps to increase productivity of several crops.





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Picture: Giorgio Venturieri

honey; some are more acid whereas others are

Other products can also be used, such as propolis, pollen and wax. Most of these products have great potential, but they are still being investigated and poorly used so far.



Another great potential for stingless bees is their use

for crop pollination. It is estimated that around 2/3 of all cultivated plant species depends on bee pollination to set fruits and seeds.

Nowadays honey production is the main purpose of meliponiculture, but crop pollination will demand a

large number of colonies in the future and will probably become the main purpose of the activity.

Stingless bees can be easily managed to increase pollination and productivity of several crops, such as poliinauon anu prouucuvity or several crops, such as açaí, taperebá, rambutã, cupuaçu, coconut, strawberry, cons were already investigated and can benefit from crups were arreauy investigated and can benefit from stingless bee pollination services. Some of these crops, such as tomato and eggplant are specifically dependent of stingless bee pollination, since they cannot be pollinated by Apis mellifera.

These bees also produce peculiar products that can be used by humans. The most known product is their honey. Stingless bee honey has higher water content (around 30%) comparing to traditional honey from Apis mellifera, which has only 20% of water. Because of it, after being stored by the bees, the honey goes through natural fermentation processes which provide special flavours and interesting acidity. Besides, each bee species produce a very characteristic

Meliponiculture It is an interesting activity to be

stimulated in protected areas, such as Amazon

Management and colony multiplication techniques

wanagement and colony multiplication commy have been intensively studied and improved in

Embrapa Eastern Amazon and other research

which can be economically used.

institutions in Brazil. Because of this research

effort, the activity has been spread in Brazilian

regions in the last decade, especially in Amazon

Bees are famous all around the world because of their special products, but also for their sting and

danger. However, most people are unaware that

there is a great number of bee species that are

inoffensive and also produce peculiar products

region, because it allows income generation

without harming the environment.