

SUCCESS CASES OF THE STATE OF MINAS GERAIS/BRAZIL

SUSTAINABLE PROJECTS

Technological development for the germination and production of macaúba seedlings - State University of Montes Claros - Unimontes



Objective: This project aims to develop macaúba propagation technologies, which could impact its production chain, with economic and social benefits. The macaúba oil palm is one of the main alternatives for the production of biofuels in the Cerrado. Cultivation of the species is limited by seed dormancy, making it important to generate propagation protocols adapted for intensive scale and family farming.



Object:

Finance

01 postdoctoral scholarship, for 4 years. Estimated value: R\$288,000.00



01 doctoral scholarship, for 4 years. Value: 153,600.00

02 master's scholarships, for 2 years. Value 134,400.00

Purchase:

Seed moisture determining equipment. Value: 70,000.00

Chamber equipment with controlled atmosphere. Value: R\$300,000.00



Reagents and consumables. Value: R\$200,000.00

The coordinator and a collaborator are CNPq productivity scholarship holders. The team has been working for over 15 years with the reproduction and development of native palm trees in semi-arid environments, having published more than 50 articles on the topic (most in relevant international journals).



In this way, the group, in addition to having extensive experience on the topic, has a wealth of previous information and developed and adapted methodologies that favor in-depth studies. The execution of the project will generate important information to support the domestication and sustainable use of macaúba, considered one of the main alternatives for the production of biofuels in dry tropical regions. The species' seeds present pronounced dormancy and the development of adapted propagation protocols, both for agriculture and large-scale production, should significantly impact the species' production chain.