

## **Palms for Life: application to guide small farmers in the planning, planting, management and use of forage palm**

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**Abstract:** The semi-arid is characterized by low rainfall, combined with long droughts and high temperatures, almost all year round. Such conditions impose, such that, almost always, every year there is a lack of forage for large and even small ruminants. Hence the need for an alternative that can supply the nutritional deficiency of herds, and which, in addition, is easy to implant and highly resistant to water deficit: the Forage Palm. The Forage Palm is of great importance in the semiarid region, but rural producers afford little information about it, exploring culture empirically and only for animal feed. Based on this scenario, this work aims to plan and develop a mobile application with the objective of spreading the handling, planting, the management and the use of forage palm. For the development, it was necessary to start the process of bibliographic review, survey and analysis of requirements and then the implementation process. As a result, the application

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developed with the following sections and features is presented in detail: tutorial, pests and diseases, bromatology, simulate production, potential and recipes, enabling management for decision making, technical knowledge about the use of Forage Palm for free and easy access for rural producers.

**Keywords:** Agroinformatics. Mobile application. Palm forage. Information dissemination. Decision making.