

FERTILIZER CALCULATOR

FERTILIZER CALCULATOR GOA APP: AN INNOVATIVE METHOD FOR SITE-SPECIFIC NUTRIENT MANAGEMENT IN DIFFERENT CROPS OF GOA

DETAILS OF THE FARMERS/STAKEHOLDERS/RAINTS

Paddy and coconut growers from Bicholim taluk, District- North Goa, Goa: Akshay Vaman Raut, Arjun Samba Gure, Ganesh L Raut, Surendra Raut, Deepak Raut, Village - Sal, Tal-Bicholim, North Goa, Goa

PROBLEMS/CONSTRAINTS

The soils of the State of Goa are mostly laterites with acidic soil reactions and low soil available nitrogen, potassium, calcium, magnesium, zinc, boron, etc. Farmers are accustomed to using suboptimal fertilizer nutrient application, and thus, the crops experience a multi-nutrient deficiency, resulting in poor crop yield. Therefore technological interventions are needed to enable farmers to get the fertilizer prescription.

INTERVENTIONS

The Fertilizer Calculator Goa app is an android platform app that is useful to obtain fertilizer recommendations based on the crop, area or number of trees/plants, soil testing report values and desired fertilizer grades, etc. It is developed for obtaining the fertilizer recommendations for important crops of Goa. The app was released by ICAR-CCAR Goa in 2015 and is available on Google Play Store. The app also provides options for sharing the results obtained in a message using different sharing options, making the app more useful.

Link to download -

<https://play.google.com/store/apps/details?id=in.res.ccari.fertilizerrec.goa&hl=en>



Fertilizer Calculator - NEW!

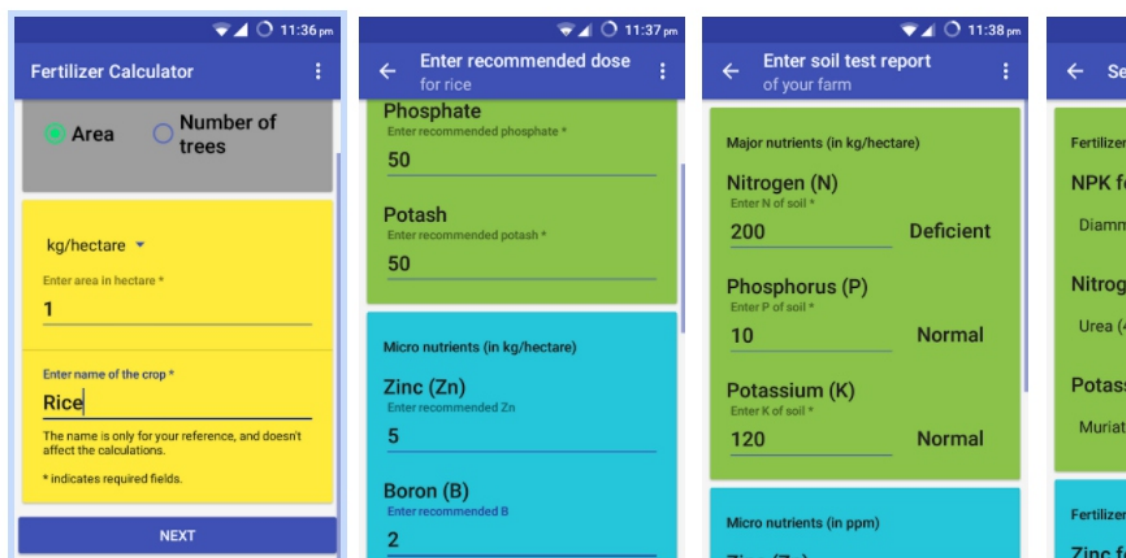
ICAR CCARI Tools

Everyone

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Installed



The user interface of the fertilizer calculator

IMPACT

The app or technology has been downloaded and installed by more than 10,000 users. The technology is available freely on Google Play Store, ICAR CCARI website, ICAR-KRISHI Portal and several other platforms. In the case of coconut, adopting the technology could reduce fertilizer cost by 8% and 33% increase in the nut yield due to balanced fertilizer application. The paddy growers obtained a 24-30% increase in the grain yield with a similar fertilizer investment.

Authors : Dr. Gopal Ramdas Mahajan, Scientist (Soil Science)