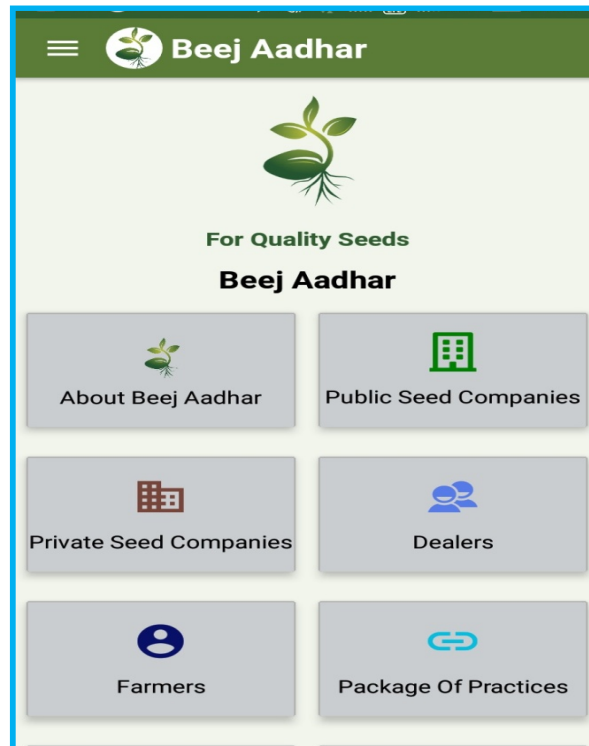# Mobile Apps developed

BEEJ AADHAR App. as a seed platform where in both public and private seed industry personnel can upload the latest technologies related to seeds.
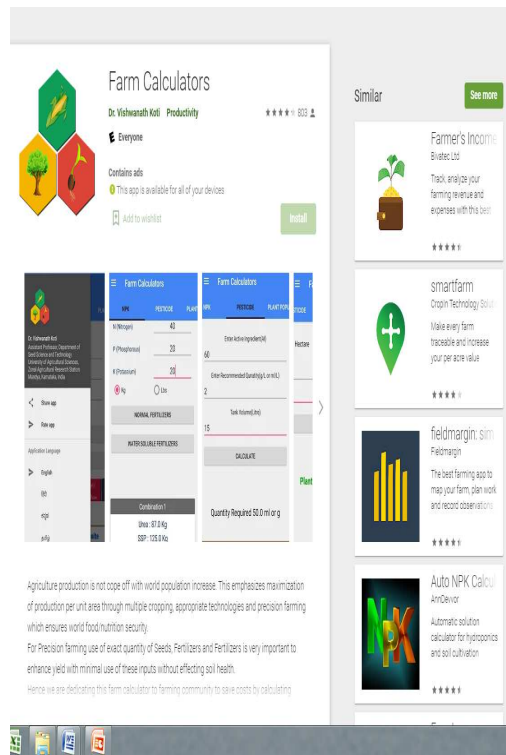
- **"**BeejAadhar" mobile app and webpage has been developed to create common platform for the seed producers, consumers and seed stakeholders for furtherance of the sustainable agro production system.
- It provides information on all hybrids/varieties developed, Land races, etc., field tested and being distributed from all type of seed producers to the farmers or farmer's organizations, availability, cost of seeds, also establishes organic linkages between seed producers and growers besides providing information of package of practice and advanced technologies.

BeejAadhar App

FARM CALCULATOR App which is ready calculator for fertilizers calculation, seed rate and plant population calculation instantly.

- Fertilizers (NPK) Calculator: Calculate exact quantity of NPK fertilizers required per unit area based on recommendation or soil testing, which saves costs and avoids excess use of fertilizers and degradation of soil health.

- Pesticides/ Fungicides/ Herbicides Calculator: Apply exact quantity of Pesticides/ Fungicides/ Herbicides of different company pesticides with different active ingredients (a.i) to manage your pests/diseases/weeds at your farm and minimize excess use of these agriculture inputs

- Plant Population Calculator: Calculate exact number of seeds for your field crops or plats required for unit area for your horticulture crops.

- Seed Rate Calculator: Calculate exact quantity of seeds required for your farm based on seed test weight and germination of the seeds.

- Seed Blending Calculator: Calculate blending of seeds of marginal lots with high germination lots to avoid wastage of marginal seed lots according to Karl Pearson square method. This could be also used as wine blending calculator.
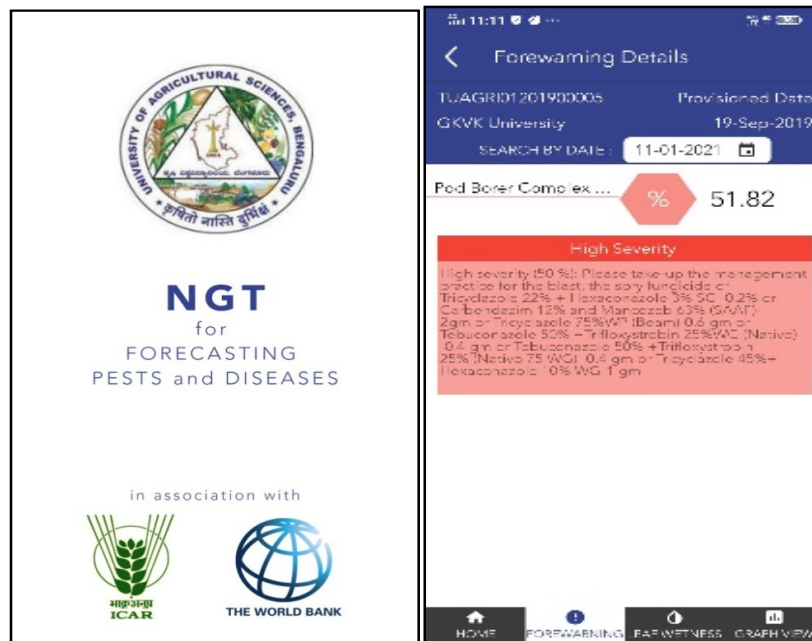

Farm Calculator App

Agricultural Pest Prediction and Advisory (APPA)

Among ICTs there has been increasing use of mobile phones with number of services provided by various agencies. Mobile phones have penetrated rural India bringing by the digital education. In this background, an android based mobile app has been developed for disseminating the technology's. This mobile application is in continuation with the web portal (www.ngtforewarningpd.com) NGT forecasting pests and diseases. The additional features provided in the APPA are as follows

a. Farmers can view the forecast and advisory whenever it needs.

b. It is enabled to gather the open source weather data of current location by GPS (mobile GPS should be on).

c. Model incorporated will predict the pest severity based on the local weather condition

d. Advisory will be issue based on the pest severity.

e. This mobile application increases the accuracy and is user friendly

Android mobile application for pest and disease forecasting and advisory issuing to farmers

NGT EXPERT SYSTEM

NGT expert system is an android mobile app for managing pests and diseases on field by experts which would be reported by individual farmers or pest monitors on behalf of farmer. Farmers report the problem on field by using android app which is transferred to designated expert. Experts then provides advisory to the farmer through text SMS or voice SMS.