

MOBILE APP ON GOOD AGRICULTURAL PRACTICES FOR FCV TOBACCO

Complete Details of Technology

The app consists of four main modules viz., 'TOBACCO', 'SHARE' 'CONTACT' and 'ABOUT'.(different colors) TOBACCO module provides technical information on 'Good Agricultural Practices of FCV Tobacco' which in turn consists of three main modules viz., Nursery, Field Crop and Post-Harvest Management. 'Nursery' module has two sub modules viz., Conventional and Tray Nursery methods embedded with information on 'management practices, Insect pest and disease management' supported by good photographs. 'Field crop' module consists of information on production practices for different FCV tobacco zones viz., Northern Light Soils (NLS), Southern Light Soils (SLS), Black soils and Karnataka Light Soils (SLS),. 'Insect pest management, Disease management, Nutrient Management, Weed Management, Topping and sucker control, Harvesting and Orobanche Management. 'Nutrient Management' module is developed as a decision support system which allows the user to view the visual deficiency symptoms along with Corrective Measures.'Weed Management' module is a knowledge-based system which provides the information on Weed Description with good photographs and control. 'Post-Harvest Management' module provides the information on "Green leaf management, Curing, Bulking, Grading and Baling' of FCV tobacco with good photographs. SHARE' module provides hyperlink to access CTRI website. 'CONTACT' module provides contact details. 'ABOUT' modules provides the general information of CTRI.

Brief Description of Technology Including Salient Features:

ICAR-Central Tobacco Research Institute established in 1947 has done yeomen service to farming community through technology backstopping on myriad aspects of tobacco cultivation. Adoption of latest technologies in crop management is essential for achieving the goal of doubling the farmer's income as envisaged by Government of India. Latest technologies need to be disseminated to the farmers' doorstep and can be accessed instantly even in their fields. Currently, with the availability of ICT tools viz., mobile app and e-portals,

technology can be transferred more effectively with text, pictures, interactive software's for instant crop advisories etc. right into the hands of farmers. Such applications are more effective in case of tobacco crop as majority of the tobacco farmers are well educated and progressive. Now a days the farmers are using smart mobiles hence, technology dissemination strategies through mobile phones will be an effective tool in real time for transmitting required agro-techniques and contingency measures. It is against this backdrop, ICAR-CTRI developed an android based mobile application on Good Agricultural Practices for FCV tobacco. The Mobile App is free to download for all the tobacco growers, trade and tobacco based officials through google play store. It is a icon based user-friendly menu driven application for easy and instant accessing of the FCV tobacco information. 'Share' option in the mobile app provides access to ICAR-CTRI website. Provides the information instantaneously as it contains different sub modules on various facets of tobacco production. Information is supported by good quality photographs which facilitates the user for easy understanding and accessing. The software is embedded with Decision Support and Expert Systems for easy retrieval.

WebLocation/URL, if any:

<https://play.google.com/store/apps/details?id=com.icar.ctri&hl=en>

Benefits/Utility

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Android Based Static Mobile App was developed on Good Agricultural Practices of FCV tobacco for global accessing of the information through smart phones. Quick and instant accessing assist the tobacco farmers in semantic management of crop for achieving higher yields with desired quality It also helps in transferring the latest technology instantaneously.