

Offline Software on Soil Health Card Generator

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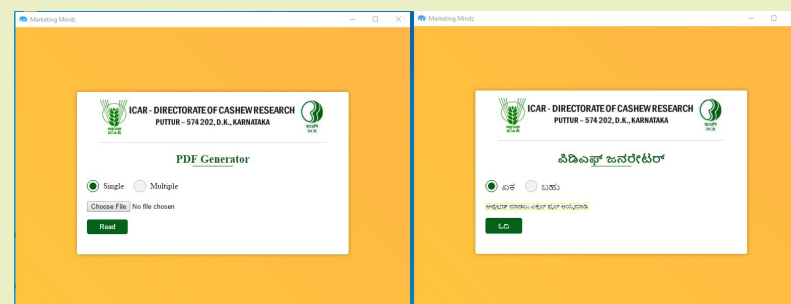
काअनि
DCR




Offline software on Soil health card generator


Soil testing is carried out to assess the soil fertility levels and it helps to aid the growers in applying manures, fertilisers and soil amendments. The data obtained after undertaking soil analysis in the laboratory are interpreted and made available in the form of a soil health card.

A soil health card is a report on soil nutrient status provided by soil testing laboratories to the farmers and other stakeholders. It also contains the advisory on the quantity of fertilizers and other amendments to be applied to the field. It helps the farmers, extension officials, scientists and decision makers to monitor and improve the soil health. The soil health cards need to be periodically updated. The soil health cards are prepared by transferring the soil test data obtained by laboratory analysis into the format prescribed by the laboratory, Institute or the government. When dealing with a large number of samples, making the interpretation and transferring the data and interpretation to the format manually become tedious, time consuming and prone to errors. To avoid the manual error in transferring laboratory data while preparing soil health card and to avoid the errors in interpretation with respect to assigning the soil test rating, an offline software has been developed to generate the soil health card both in English and Kannada. It enables to generate error-free soil health card from the analytical results as single and multiple pdf files.

For using the software, the laboratory staff need to upload the analytical data in excel sheet format specified and choose single or multiple pdf option available in the software. The single pdf files can be used to issue to the electronic copy to the individual farmer or to upload on the website which can be downloaded by the farmer by providing information such as Aadhaar card number and year from ICAR-DCR, website. The multiple pdf in single file option can be used when the soil health cards are to be printed for distribution to the farmers. The software was developed with funding support from RKVY-RAFTAAR, Govt. of Karnataka.



  	Department of Agriculture & Cooperation Ministry of Agriculture & Farmers Welfare Government of India ICAR-Directorate of Cashew Research, Puttur, Karnataka Soil Health Card No. : DCR/ Date of issue of card: Validity :	Name of Laboratory : Soil Science Laboratory, ICAR-DCR, Puttur SOIL TEST RESULTS																																																																
	Name Address Aadhaar card No. Mobile Number Latitude Longitude	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Parameter</th> <th>Test value</th> <th>Unit</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>1</td><td>pH</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>EC</td><td></td><td>dS/m</td><td></td></tr> <tr><td>3</td><td>Organic carbon (OC)</td><td></td><td>%</td><td></td></tr> <tr><td>4</td><td>Available N</td><td></td><td>kg/ha</td><td></td></tr> <tr><td>5</td><td>Available Phosphorus (P₂O₅)</td><td></td><td>kg/ha</td><td></td></tr> <tr><td>6</td><td>Available Potassium (K₂O)</td><td></td><td>kg/ha</td><td></td></tr> <tr><td>7</td><td>Iron (Fe)</td><td></td><td>ppm</td><td></td></tr> <tr><td>8</td><td>Manganese (Mn)</td><td></td><td>ppm</td><td></td></tr> <tr><td>9</td><td>Zinc (ppm)</td><td></td><td>ppm</td><td></td></tr> <tr><td>10</td><td>Copper (Cu)</td><td></td><td>ppm</td><td></td></tr> <tr><td>11</td><td>Boron (B)</td><td></td><td>ppm</td><td></td></tr> <tr><td>12</td><td>Molybdenum (Mo)</td><td></td><td>ppm</td><td></td></tr> </tbody> </table>	Sl. No.	Parameter	Test value	Unit	Rating	1	pH				2	EC		dS/m		3	Organic carbon (OC)		%		4	Available N		kg/ha		5	Available Phosphorus (P ₂ O ₅)		kg/ha		6	Available Potassium (K ₂ O)		kg/ha		7	Iron (Fe)		ppm		8	Manganese (Mn)		ppm		9	Zinc (ppm)		ppm		10	Copper (Cu)		ppm		11	Boron (B)		ppm		12	Molybdenum (Mo)		ppm
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Healthy Soils for a Healthy Life

For exact quantity of fertilizer to use for cashew, please use Fertilizer calculator available at:
 1. www.cashew.icar.gov.in
 2. Download the App from Google play store