RULE BASED PREDICTIONS

RICE


Yellow Stem Borer


Brown Plant Hopper


Green Leaf Hopper


Leaf Hopper


WBP Hopper


Caseworm

GROUNDNUT


Tobacco Caterpillar

TOMATO


Early Leaf Blight

PREDICTIONS BASED ON EMPIRICAL MODELS

Crop	Insect	Beneficial	Disease
Rice	10	01	04
Pigeonpea	06	02	05
Groundnut	06	01	04
Tomato	07	01	11

RBS

EMS

DOWNLOAD THE APP

- Scan the QR Codes
- Download & Install
- Start using as per need
- Also Web Enabled at *http://www.ncipm.org.in/nicra/ForewarningSystem/Login.aspx*

NCIPM

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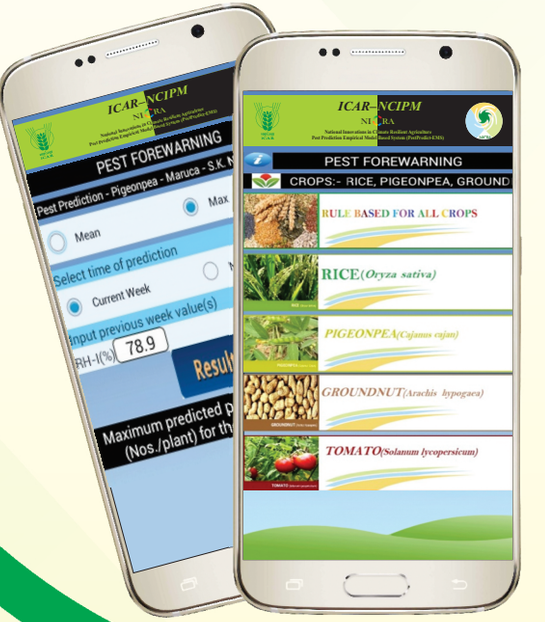
CONTRIBUTORS TO THE PEST WEATHER DATABASE FOR TARGET CROPS FROM DIFFERENT LOCATIONS ARE GRATEFULLY ACKNOWLEDGED

PESTPREDICT

MOBILE APPLICATION FOR FORECAST OF INSECT PESTS AND DISEASES OF RICE, PIGEONPEA, GROUNDNUT & TOMATO



- *'PESTPREDICT'* is a mobile based application making weather based pest forewarning as a component of integrated pest management in the area of crop protection.
- Approaches to forewarning
  - Rule based predictions
  - Empirical Models
- Validated forecast models of insect pests and diseases are built in the *PESTPREDICT*.

TECHNICAL FEATURES

- **Operating System:** Android
- **Platform:** Google (SDK)
- **Language:** Core Java
- **Software:** Eclipse Juno (ADT)
- **Version:** 4.1 (Jelly Bean)
- **Source:** Open Source Standalone App

CROPS & LOCATIONS OF PESTPREDICT

RICE

- Ludhiana — Punjab
- Chinsurah — West Bengal
- Raipur — Chhattisgarh
- Karjat — Maharashtra
- Hyderabad — Telangana
- Mandya — Karnataka
- Aduthurai — Tamil Nadu

PIGEONPEA

- SK Nagar — Gujarat
- Jabalpur — Madhya Pradesh
- Warangal — Telangana
- Gulbarga — Karnataka
- Anantapur — Andhra Pradesh
- Vamban — Tamil Nadu

GROUNDNUT

- Junagadh — Gujarat
- Jalgaon — Maharashtra
- Dharwad — Karnataka
- Kadiri — Andhra Pradesh
- Vridhachalam — Tamil Nadu

TOMATO

- Ludhiana — Punjab
- Varanasi — Uttar Pradesh
- Kalyani — West Bengal
- Raipur — Chhattisgarh
- Rahuri — Maharashtra
- Hyderabad — Andhra Pradesh
- Bengaluru — Karnataka

PURPOSE

- Issue of 'Pest Alerts' to crop growers.
- Potential stakeholders – Researchers, extension agents and farmers.
- Facilitates prediction of insect pest dynamics for the current and future climate periods relating to emission scenario database of Intergovernmental Panel of Climate Change (IPCC).

Digital India
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CAUTION

ACCURACY OF *PESTPREDICT* DEPENDS ON QUALITY OF WEATHER INPUTS AND VARIES DEPENDING ON OTHER BIOTIC VARIABLES OR EXTREMES OF WEATHER EVENTS.