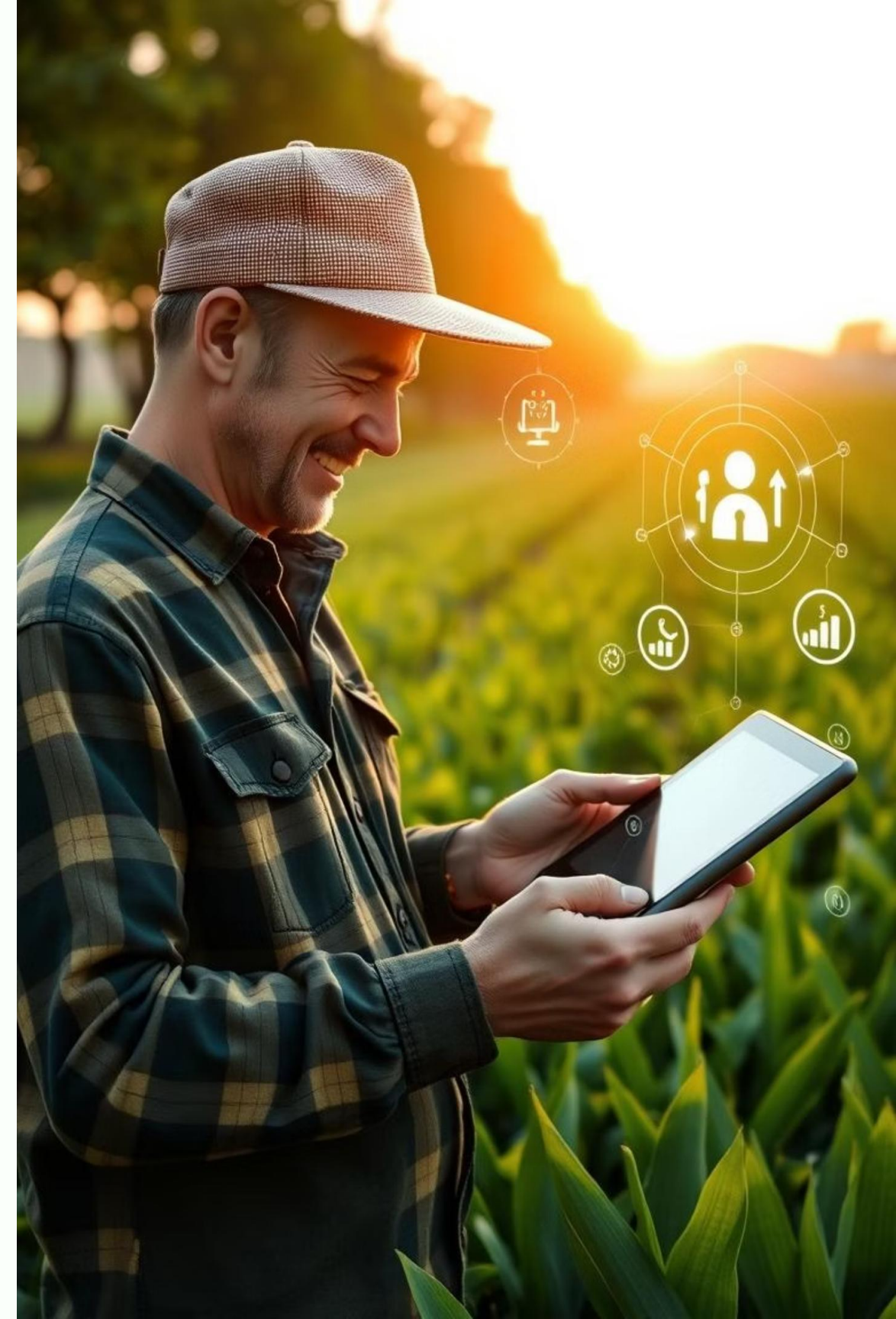


Smart Agriculture Assistant: AI for Modern Farming

Discover how our AI-powered multilingual farming advisor revolutionises agriculture with real-time insights and voice support, empowering farmers for a more productive future.



Key Features of the Assistant



Multilingual Support

Assistance available in English, Hindi, and Gujarati for broader accessibility.



AI-Powered Agents

Specialised agents for weather, agriculture, PDF analysis, and combined recommendations.



Voice Assistant

Hands-free interaction with voice input and text-to-speech output in multiple languages.



Document Processing

Upload PDFs for text extraction, Q&A, and automatic summarisation.



Weather Integration

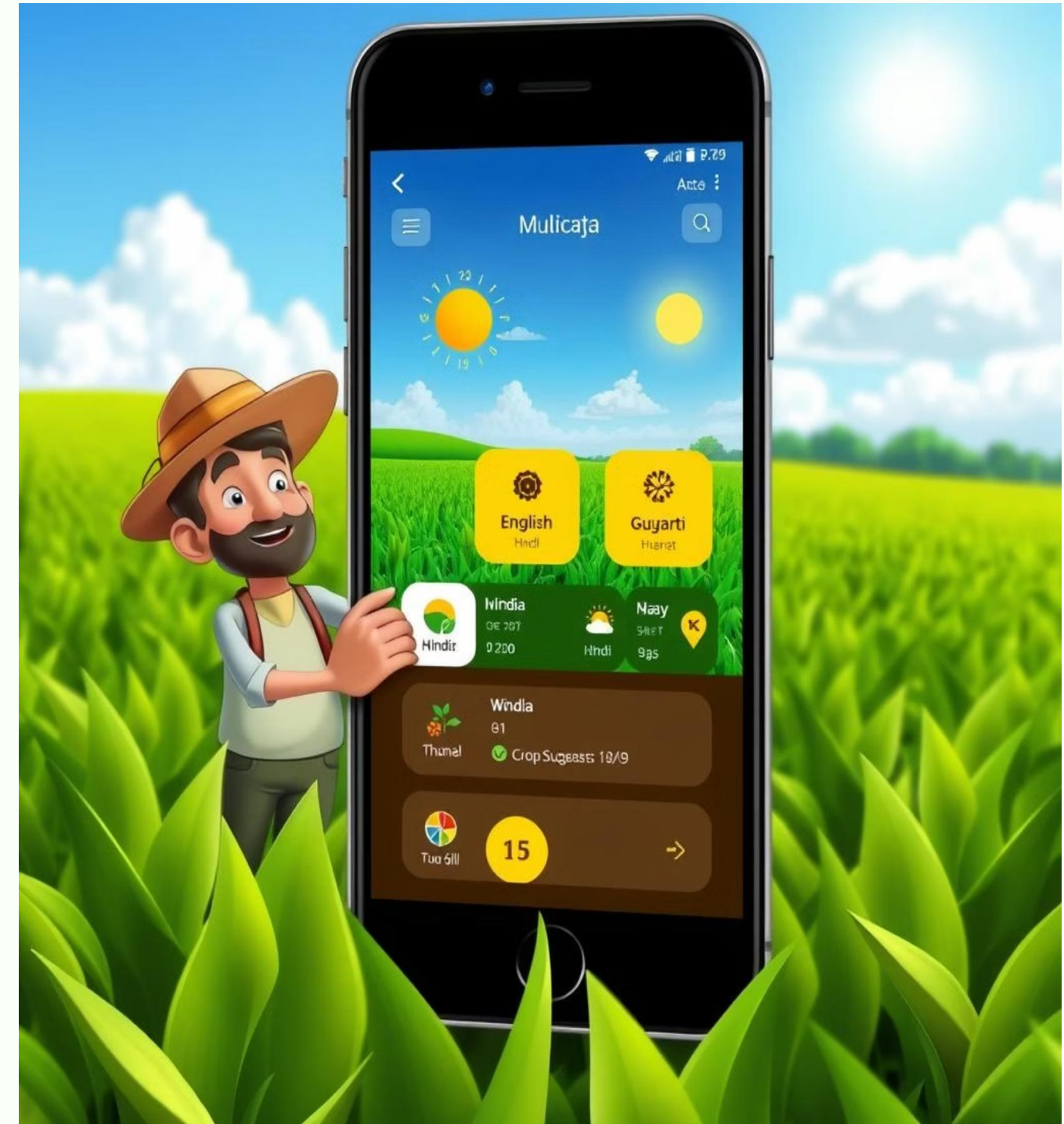
Real-time weather data and location-based, weather-informed crop recommendations.

Multilingual Capabilities

Our Smart Agriculture Assistant is designed to break language barriers, providing support in key regional languages to ensure every farmer can access vital information.

- English us
- Hindi IN (हिंदी)
- Gujarati IN (ગુજરાતી)

This feature ensures that farmers can interact with the system in their preferred language, making the technology more accessible and user-friendly.



AI-Powered Agents for Smart Decisions



Weather Agent

Provides real-time weather data and accurate forecasts.



Agriculture Agent

Offers crop recommendations and expert farming advice.



PDF Agent

Extracts knowledge and analyses agricultural documents.

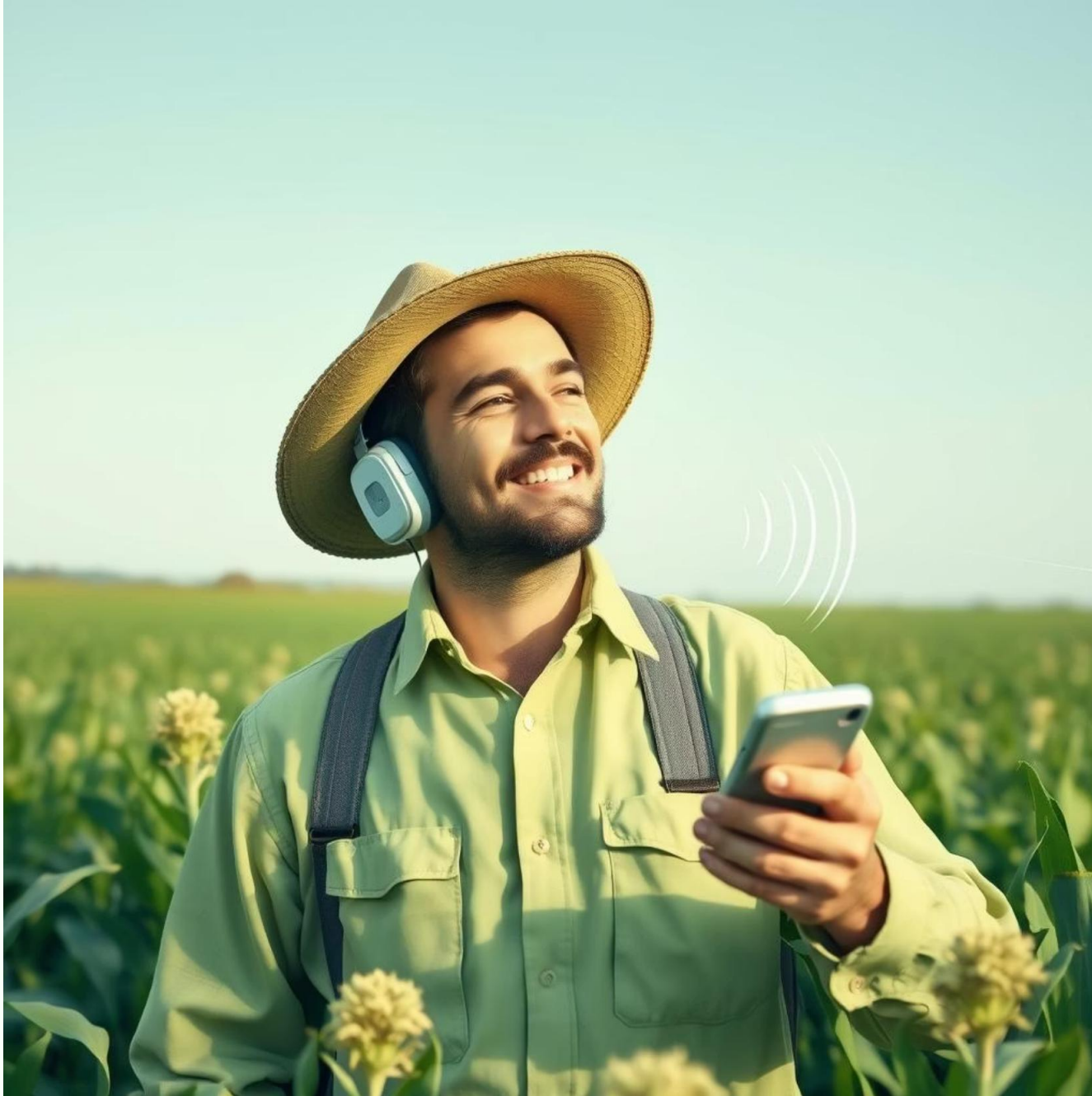


Combined Agent

Delivers integrated weather-based agricultural recommendations.

These specialised AI agents work in synergy to provide comprehensive and context-aware guidance to farmers, optimising their decision-making process.

Seamless Voice Interaction



Our voice assistant enables hands-free interaction, crucial for farmers working in the field. It supports:

- Voice input in multiple languages
- Text-to-speech output for clear communication
- Enabling farmers to receive information and give commands without interrupting their work.

Advanced Document Processing

The assistant can process and extract valuable insights from various agricultural documents.

PDF Upload & Extraction

Seamlessly upload PDF documents for text extraction.

Vector Database Storage

Utilises ChromaDB for efficient storage and retrieval of document data.

Document-Based Q&A

Ask questions directly related to uploaded documents and receive accurate answers.

Automatic Summarisation

Generates concise summaries and key insights from lengthy documents.

