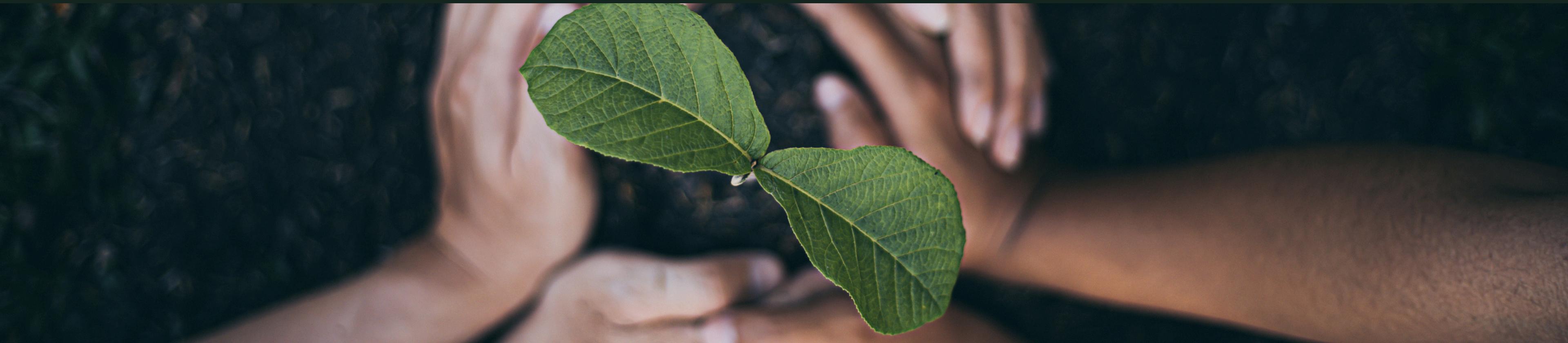


ECO-AGRI GUIDE

The Crop Replacement System



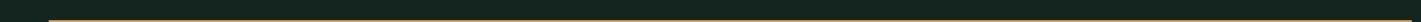
INTRODUCTION TO ECOAGRI GUIDE



Introducing EcoAgri Guide, your revolutionary companion in sustainable agriculture. In an era where environmental consciousness is paramount, farmers need a tool that not only maximizes yield but also minimizes the ecological footprint of their practices. EcoAgri Guide is an innovative web application designed to provide farmers with crucial insights into crop replacements, helping them make environmentally responsible decisions that safeguard soil fertility, reduce air pollution, and maintain water levels.

OBJECTIVES

- To identify the significant features related to the crop .
- To suggest the optimal crop as per the various factors like soil composition , climate conditions and crop characteristics.



THE IMPORTANCE OF CROP REPLACEMENTS IN SUSTAINABLE FARMING

Healthy Crop Rotation

Crop replacements are crucial for maintaining soil fertility and preventing the build-up of pests and diseases. Implementing diverse crop rotations is essential for sustainable and resilient agriculture.

Biodiversity in Agriculture

By diversifying crops, farmers can support healthy ecosystems and reduce the need for chemical inputs. It's a fundamental practice for promoting environmental sustainability.

Economic Viability

Utilizing crop replacements can enhance farm productivity and income while promoting ecological balance, contributing to long-term sustainability.

How EcoAgri Guide Works

INPUT FROM FARMERS : By analyzing data from farmers, EcoAgri Guide provides farmers with valuable insights on crop replacements. This data-driven approach helps farmers make informed decisions about which crops to cultivate, taking into account environmental factors and promoting sustainable farming practices.

DATA ANALYSIS : The application utilizes algorithms to analyze the provided data and generate personalized crop replacement recommendations.

RECOMMENDATIONS AND INSIGHTS : Users receive detailed insights and suggestions for alternative crops, along with valuable information on farming practices and ecological benefits.

KEY FEATURES OF ECOAGRI GUIDE

Environmental Impact Insights

EcoAgri Guide offers information on the potential ecological benefits of crop replacements, guiding farmers towards sustainable practices.

The application provides farmers with a comprehensive list of alternative crops that are best suited for their land and environmental conditions, enabling them to cultivate crops that contribute to long-term sustainability.

Alternative Crop Recommendation

Sustainable Crop Selection

Provides guidance on selecting crops that are well-suited to local climates and soil conditions, promoting biodiversity and reducing the environmental impact of monoculture.

Benefits of Using EcoAgri Guide for Farmers

Increased Farm Resilience

The application equips farmers with valuable knowledge, leading to more resilient farming practices in the face of changing environmental conditions.

Sustainable Agriculture

By providing sustainable crop replacement options, EcoAgri Guide contributes to the preservation of natural resources and biodiversity.

Decision-Making

With guidance and insights, farmers can make informed decisions efficiently, optimizing crop choices for better outcomes.

Future Developments and Updates for EcoAgri Guide

Enhanced AI Capabilities

Continual advancements in AI technology will further refine the accuracy and relevance of crop replacement recommendations.

New Database Additions

Regular inclusion of updated crop data and farming practices will ensure that users have access to the latest information for decision-making.

User Feedback Integration

Updates will integrate feedback and experiences from farmers to enhance the application's usability and effectiveness.

FRONTEND

Home Users Register Login

AGRICULTURE IN INDIA

Indian agriculture is a vibrant tapestry woven from centuries of tradition, innovation, and

REGISTER



Login page

Email address

Password

Remember me [Forgot password?](#)

[Sign in](#)

OR

[Continue with Facebook](#)

[Continue with Twitter](#)

LOGIN

New User

First Name First Name

Last Name Last Name

Address Enter Address

Email Enter Email

Password Enter Password

Confirm Password Enter Confirm Password

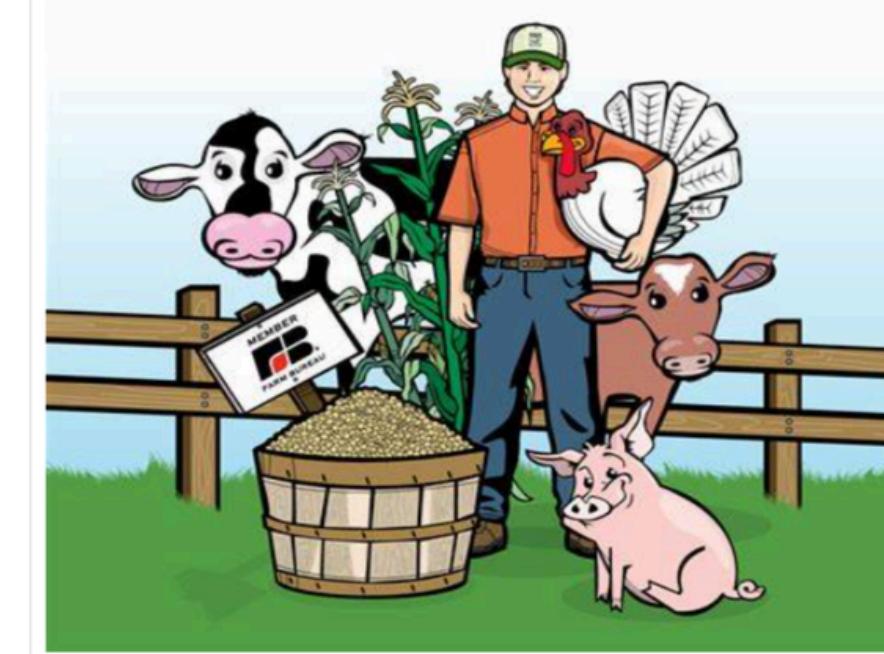
[Register](#)

[Login](#)

Registration page



INPUT PAGE



Prediction Form

Uttar Pradesh

Nitrogen (60-99)	<input type="text" value="Enter Nitrogen Level"/>
Phosphorus (5-145)	<input type="text" value="Enter Phosphorus Level"/>
Potassium (15-205)	<input type="text" value="Enter Potassium Level"/>
Temperature (15-37)	<input type="text" value="Enter Temperature in C"/>
Humidity (14-95)	<input type="text" value="Enter Humidity in %"/>
Ph Level (3-10)	<input type="text" value="Enter ph Level"/>
Rainfall (30-299)	<input type="text" value="Enter Rainfall in %"/>

Check **Back to List**

ML MODEL OUTPUT

```
N = 20
P = 70
K = 10
temperature = 45
humidity = 20
ph = 7
rainfall = 50
predict = recommendation(N,P,K,temperature,humidity,ph,rainfall)

print(str(predict).replace(" ","").replace("[","").replace("]", ""))
, "is best crop to be cultivated here")
lentil is best crop to be cultivated here
```

STATES

STATES



Uttar Pradesh



Madhya Pradesh



Punjab



Rajasthan



West Bengal



Maharashtra



Haryana



Bihar

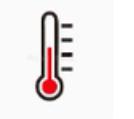
WEATHER FORECAST

USER PROFILE

Weather Forecast



State : Uttar Pradesh
Temp : 40.89 °C
Wind speed : 5.51 Km/h
Humidity : 7 %



UserProfile

Firstname : Armaan
lastname : Singh
Email : armaanaulakh2002@gmail.com
Address : street no. 6, #260, Star city colony.



USER TABLE FRO ADMIN

User List

[Add New User](#)

First Name	Last Name	Address	Email	Actions	
Armaan	Singh	street no. 6.	maanaulakh2002@gmail.com	Edit	Delete
asdf	asdf	asdf	asdf@gmail.com	Edit	Delete
Navdeep	Kaur	dabba, Gt road.	test2002@gmail.com	Edit	Delete
Armaan	Singh	street no. 6, #260, Star city colony.	armaanaulakh0000@gmail.com	Edit	Delete
test	Singh	street no. 4	test2002@gmail.com	Edit	Delete
test	kumar	canaustralia	germaniaustralia@gmail.com	Edit	Delete
Armaan	Singh	street no. 6, #260, Star city colony.	armaanaulakh2002@gmail.com	Edit	Delete
testing	testing	asdfg	testing1234@gmail.com	Edit	Delete

User Display(table)

CAROUSEL SLIDER



carousel Slider

DATABASE FOR USER

The screenshot shows a MongoDB database interface with the following details:

- Database:** DB_EcoAgriGuide
- Collection:** users
- Documents:** 8 (highlighted in green)
- Aggregations:** 0
- Schema:** 0
- Indexes:** 1
- Validation:** 0

Query bar: Type a query: { field: 'value' } or [Generate query](#)

Action buttons: Explain, Reset, **Find**, Options

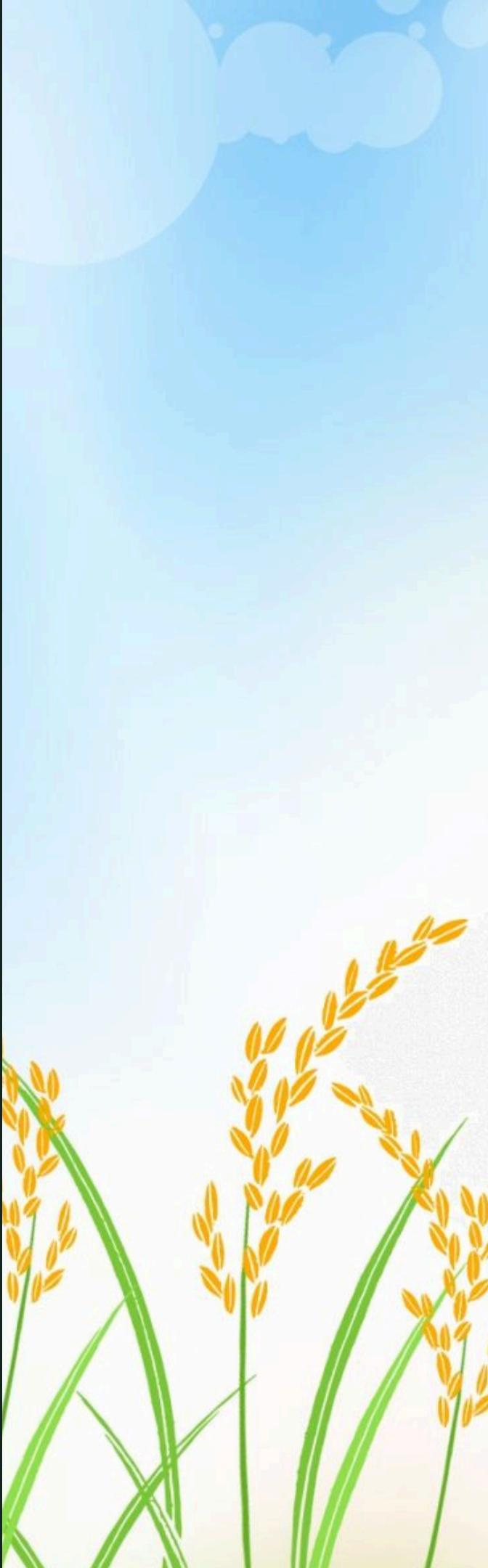
Document 1 (Armaan Singh):

```
_id: ObjectId('661b730b7f50fda124f1953c')
firstname : "Armaan"
lastname : "Singh"
address : "street no. 6."
password : 1234567
email : "maanaulakh2002@gmail.com"
__v : 0
```

Document 2 (asdf):

```
_id: ObjectId('661b93c2e09b39b8809fe352')
firstname : "asdf"
lastname : "asdf"
address : "asdf"
email : "asdf@gmail.com"
password : 123456789
confirm password : 123456789
__v : 0
```

Pagination: 1 - 8 of 8



THANK YOU

