

# Crop Recommendation

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Welcome to Crop Recommendation, a Streamlit application that recommends crops based on input parameters. This project leverages a trained machine learning model to provide crop recommendations. Here's a quick overview of the key files:

## Files

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- `app.py`: The main Python file to start the Streamlit application.
- `content.py`: Contains a dictionary mapping numerical labels to crop names.
- `crop_recommendation`: A trained machine learning model for crop recommendation.
- `requirements.txt`: List of project dependencies.

## Getting Started

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1. Clone the repository:

```
bash git clone https://github.com/vijaytakbhate2002/crop-recommendation.git
```

1. Install dependencies:

```
bash pip install -r requirements.txt
```

1. Run the application:

```
bash streamlit run app.py
```

1. Access the application in your browser at <http://localhost:8501>.

## Usage

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Input parameters such as temperature, humidity, rainfall, and pH.

Click on the "Recommend Crop" button.

The application will provide a recommendation based on the trained model.

## Contributing

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We welcome contributions! Please read our [Contributing Guidelines](#) to get started.

## License

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This project is licensed under the [MIT License](#).