

AgriCopilot API Documentation

Provider: Team Astra

Base URL: <https://agricopilot-agricopilot.hf.space/>

Authentication (Global)

All endpoints below require a Bearer token in the request headers.

Authorization: Bearer agricopilot404

(Replace "agricopilot404" if you have changed your PROJECT_API_KEY environment variable.)

1. System Status

Method: GET

URL: / (Root)

Description: Checks if the AgriCopilot AI Backend is running.

Headers: None required.

Body: None required.

2. Crop Doctor

Method: POST

URL: /crop-doctor

Description: Analyzes an uploaded image of a crop and returning a diagnosis structured report.

Headers:

- - Authorization: Bearer <Token>
- - symptoms: <String describing the issue, e.g., "Yellow spots on leaves">

Body (form-data):

- - image: <File> (Select a valid image file, e.g., .jpg, .png)

3. Multilingual Chat

Method: POST

URL: /multilingual-chat

Description: Conversational endpoint for general farming questions.

Headers:

- - Authorization: Bearer <Token>
- - Content-Type: application/json

Body (JSON):

```
{  
  "query": "How do I protect my tomato crops from heavy rain?"  
}
```

4. Disaster Summarizer

Method: POST

URL: /disaster-summarizer

Description: Summarizes agricultural disaster reports and provides actionable next steps.

Headers:

- - Authorization: Bearer <Token>
- - Content-Type: application/json

Body (JSON):

```
{  
  "report": "A massive flood recently hit the northern agricultural sector. Water levels rose by 3 feet, destroying the main storage facilities. We need immediate assistance securing the remaining seeds."  
}
```

5. Marketplace Recommendations

Method: POST

URL: /marketplace

Description: Provides marketplace recommendations, pricing strategies, and selling tips.

Headers:

- - Authorization: Bearer <Token>
- - Content-Type: application/json

Body (JSON):

```
{  
  "product": "Organic Cassava"  
}
```

6. Vector Database Search

Method: POST

URL: /vector-search

Description: Directly queries the local FAISS knowledge base for relevant agricultural documents.

Headers:

- - Authorization: Bearer <Token>
- - Content-Type: application/json

Body (JSON):

```
{  
  "query": "What are the common signs of maize rust?"  
}
```