Organizations in this sector use open data to provide solutions that better inform farmers’ decisions on managing their farms and increase their crop yields. They primarily use agriculture, weather, and geospatial data.

**HOW ORGANIZATIONS USE OPEN DATA**

Agriculture-related organizations:

- Provide farmers with timely information on weather changes, pests, and diseases via targeted mobile alerts using open meteorological and agriculture data
- Help farmers price their products and determine the optimal time to sell them using commodity pricing data
- Support sustainable farming globally by utilizing open research and scientific data

**USE CASES**

**Farmerline**
An SMS-based service that provides small-scale farmers with up-to-date agricultural information and advisement

**URL:** [http://farmerline.co/](http://farmerline.co/)

**Country:** Ghana

**Impact:** Helps farmers increase crop yield and encourage new farming practices

**Data Used:** Agriculture data from the Ghanaian Ministry of Food and Agriculture (MOFA), weather data from a number of sources

**Mandi Trades**
A location-based social network fostering business directly between local farmers and buyers

**URL:** [http://www.manditrades.com/](http://www.manditrades.com/)

**Country:** India

**Impact:** Increases efficiency in the agriculture market and reduces information asymmetry for small-scale farmers

**Data Used:** Market commodity price datasets India

**Farmlogs**
Supporting farmers through technology to enhance crop production and reduce waste

**URL:** [https://farmlogs.com/](https://farmlogs.com/)

**Country:** United States

**Impact:** Farmers benefit from tools to better measure crop management and environmental factors

**Data Used:** Weather and rainfall data from the U.S. National Oceanic and Atmospheric Administration’s (NOAA) National Climatic Data Center, soil data from the U.S. Department of Agriculture

**TOP APPLICATIONS OF OPEN DATA FOR THE SECTOR**

<table>
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<tr>
<th>16</th>
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<tbody>
<tr>
<td>Organizational Optimization</td>
<td>Development of Products/Services</td>
<td>Research</td>
<td>Advocacy</td>
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**TOP 5 DATA TYPES USED FOR AGRICULTURE**

<table>
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<td>Weather</td>
<td>Geospatial</td>
<td>Environment</td>
<td>Demographic and Social</td>
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