

Feature Description

Farmdeck uses Satellite images and machine learning to identify weed types in complex landscapes and remotely calculate weedy areas on a farm which can help producers and crop advisors make appropriate management decisions.

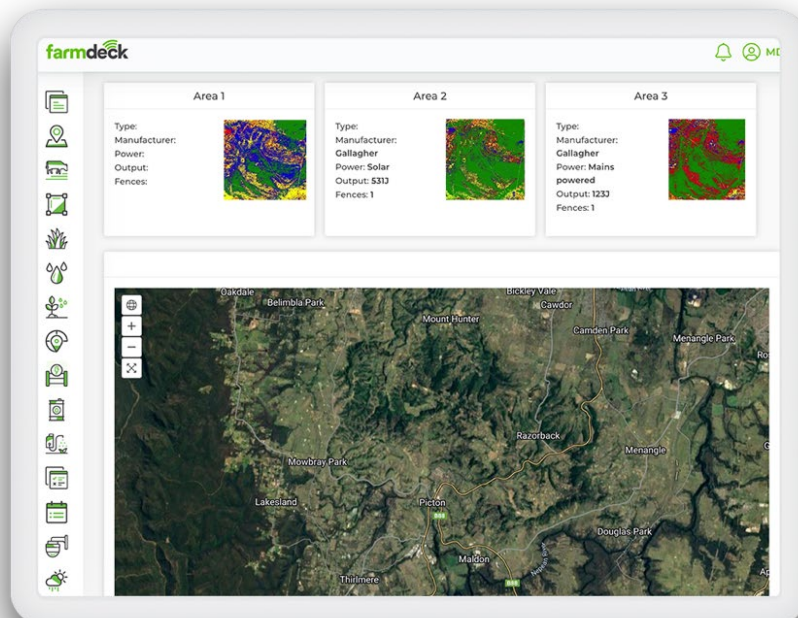


Features

- Calculate the size of weed patches
- Detect different types of weeds
- Notifications with specific weeds are detected

Applications

- Monitor the impact of herbicide or cultural practices
- Observe trends across farmland
- Use trends for rotation plans to take advantage of summer cropping opportunities



Satellite remote sensing for weed detection and notification

Datasheet | Published 20.06.2022

Mechanical Features

Housing

Dimensions (mm)

Weight

Case Material

Device Power Supply

Battery Solar panel with 1000 mAh battery

Expected battery life

Operating Conditions

Temperature -40°C to +125 °C

Radio/Wireless Connection

Wireless technology LoRaWAN 1.0.3/1.1

Supported LoRaWAN device type Class A End-device

Supported LoRaWAN Regions US902 - 928, AS923, AU915 - 928, KR920-923

Configuration OTAA, ABP, ADR

Data Type

Voltage Latitude / Longitude, 6 axes gyroscope (m/s).

Optional Cellular Connection

Wireless Technology LTE-M/NB/IoT

Supported LTE Bands LTE-M (Cat-M1): B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B66 NB-IoT (Cat-NB1/NB2): B1, B2, B3, B4, B5, B8, B12, B13

SIM card and format Internal Nano 4FF SIM