



SpectraCrop leverages cutting-edge multispectral imaging and drone technology to deliver real-time crop health insights, enabling farmers to detect issues like potato blight early and take timely actions that safeguard yields and enhance productivity.

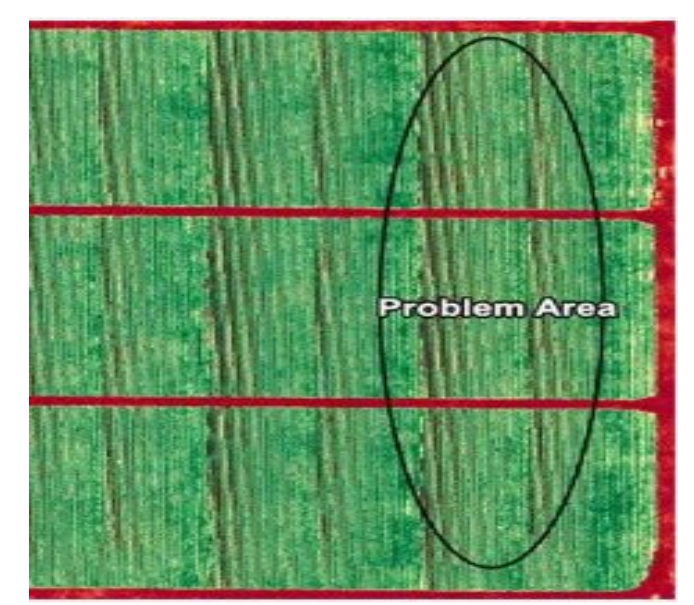
PROBLEM AND SOLUTION

Potato Late
Blight

23% yield Loss –
USD10 BIL

Monitoring equipment through
Vegetation Indices (VI)

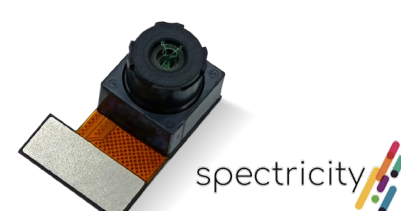
Risk management with
early insights



TECHNOLOGY & PRODUCT

Drone

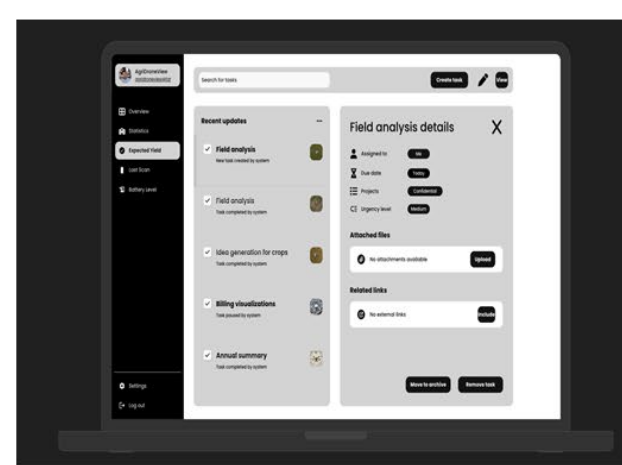
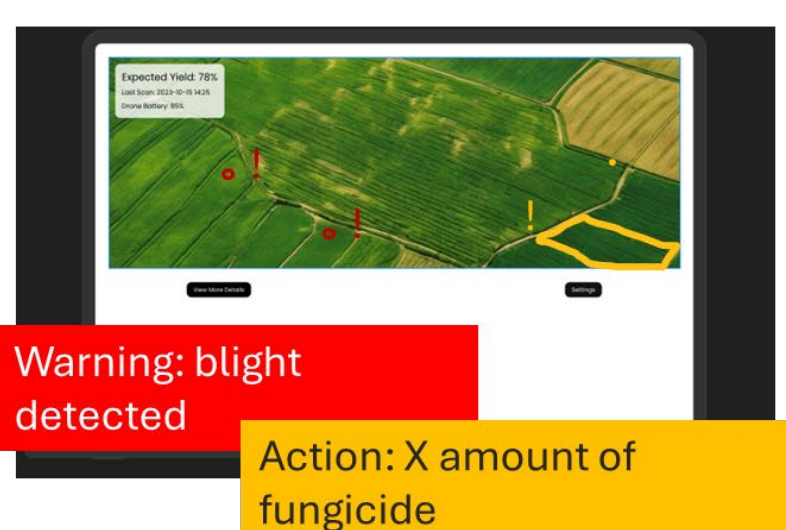
- RGB + MSI camera
- Automated flights
- Automatic charging
- Automatic targeted pesticide/fertilize spray
- Connected to the internet via dock



1. **Small module**
 - 7mm x 7mm x 7mm
2. **16+ Spectral Range**
 - 400 – 850nm
3. **High Color Accuracy**
 - 2X more accurate
4. **Low Power Consumption**
 - 160mW / 30fps

Service Design: User Interface

Cloud Service



SMS/email notifications

Conducting automated scan at Potato farm. Estimated ending: 5:30 PM.

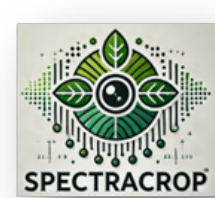
WARNING! Signs of early potato blight detected at Potato farm, Section 2. Time: 5:30 PM.

Sprayed fungicide at Potato farm, Section 2. Reason: Early blight. Follow-up scan scheduled: 11:30 AM.

Information Provided:

- Expected yield
- Status and action
- Last scan (timestamp)
- Drone battery

COMPETITORS



Parrot



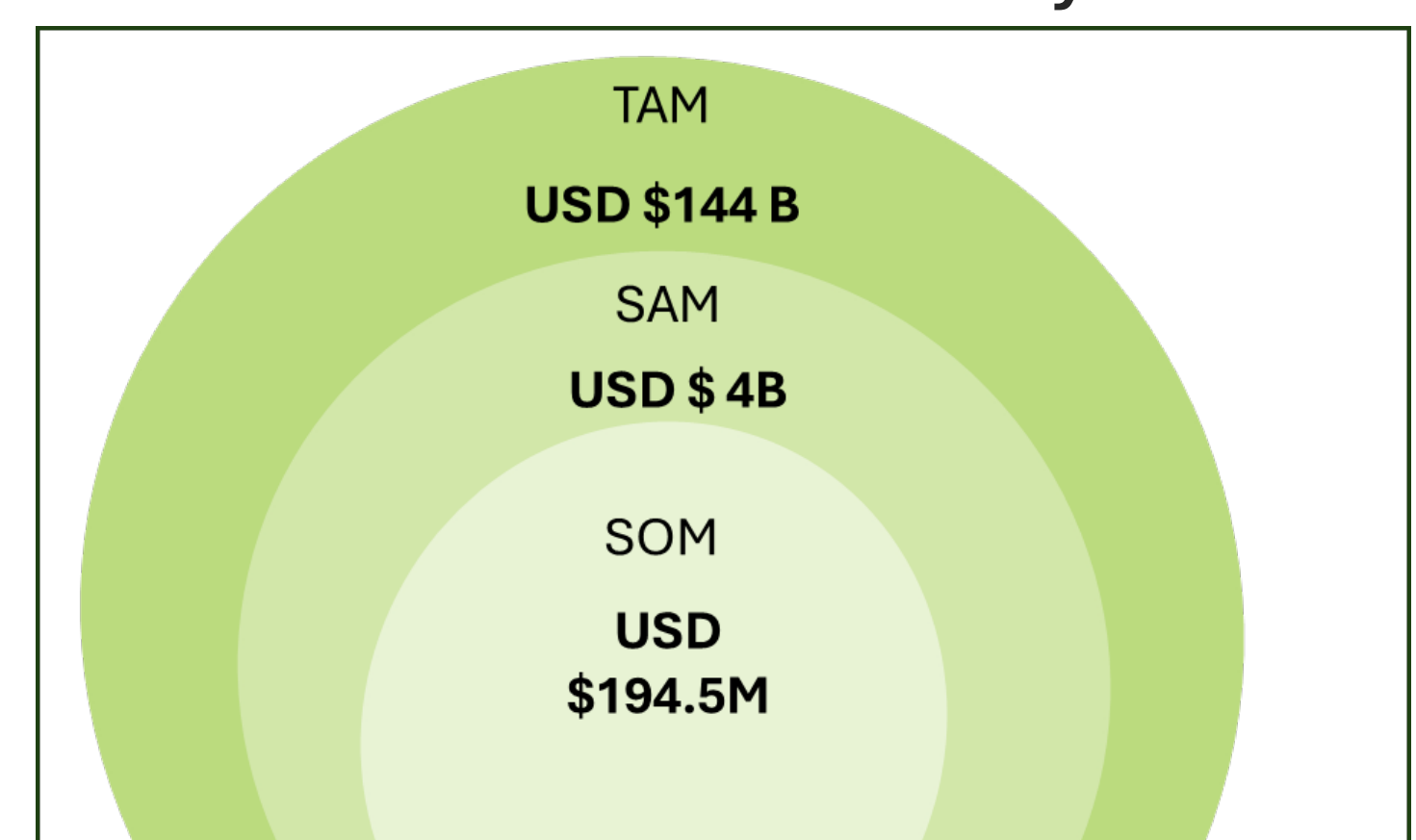
DRONENERDS

Spectral Range	400-850nm	530-810nm	530-810nm	410-840nm
No. of Vegetation Index	10	5	8	9
The Level of Power Savings				
Feedback Form	Cloud+SMS	Single Software	Multiple Software	Third-party Software
Key Feature	Cost-effective	Lightweight Design	Weather Adaptability	Simple Operation

SpectraCrop pride ourselves in lowering the entry barrier making adoption of drone technology by farmer providing EASY to use and guide timely intervention. Our technology coverage 17 bands that span the visible and NIR range. It being small, consumes significantly lower amount of power allowing to fly longer. Also we offer feedback form in cloud and SMS allowing easier of data retrieval.

MARKET SIZE

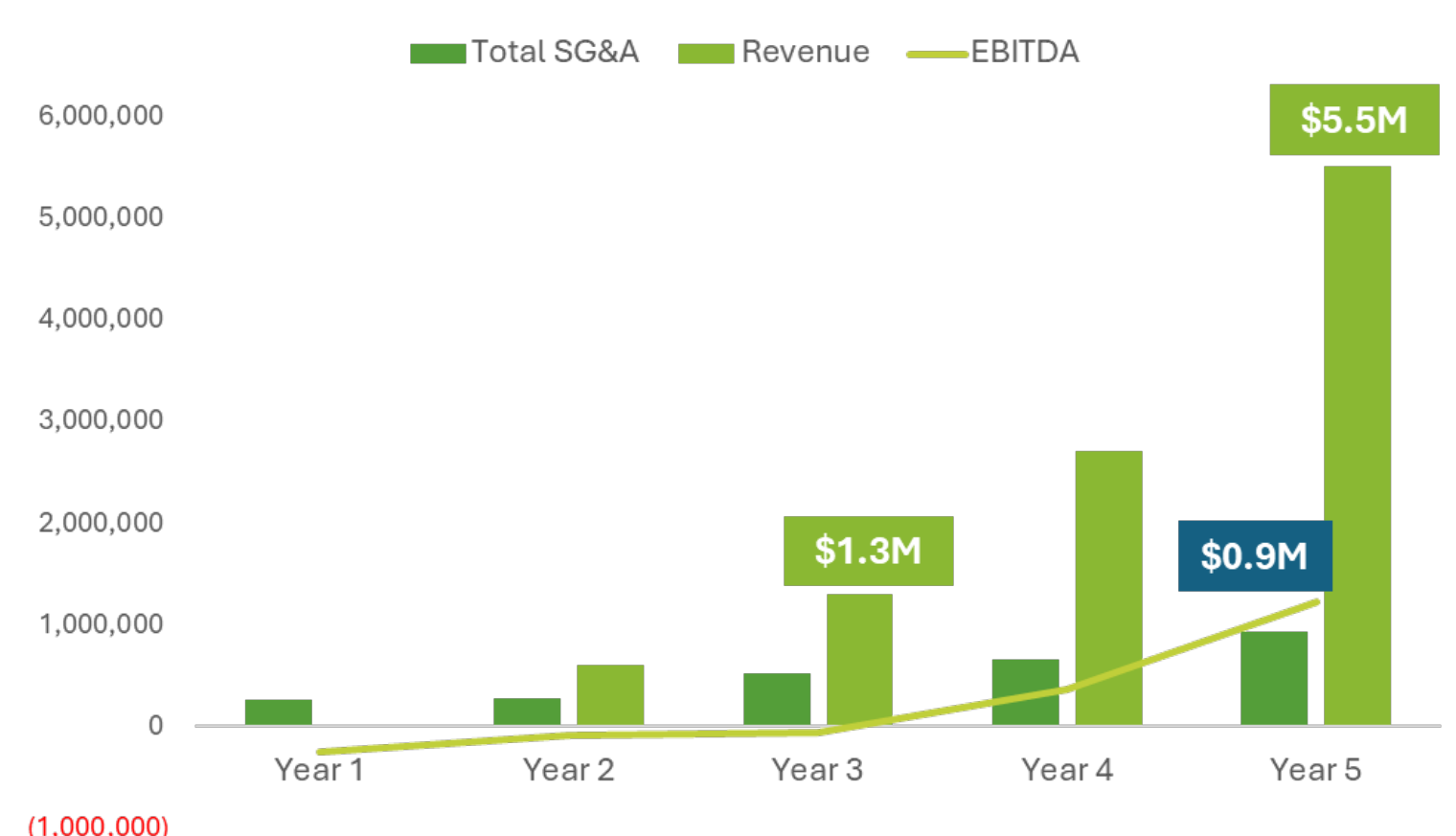
Potato disease detection system market



Source: FAO, Potato price

FINANCIALS – 5 years (USD)

Spectricity 5-Year Financial Plan, USD



	Year 1	Year 2	Year 3	Year 4	Year 5
Number of Units	0	200	400	800	1600
Revenue	0	600,000	1,300,000	2,700,000	5,500,000
Gross Profit	0	30%	35%	38%	39%

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See Beyond the Surface – Revolutionising Crop Health with Precision!