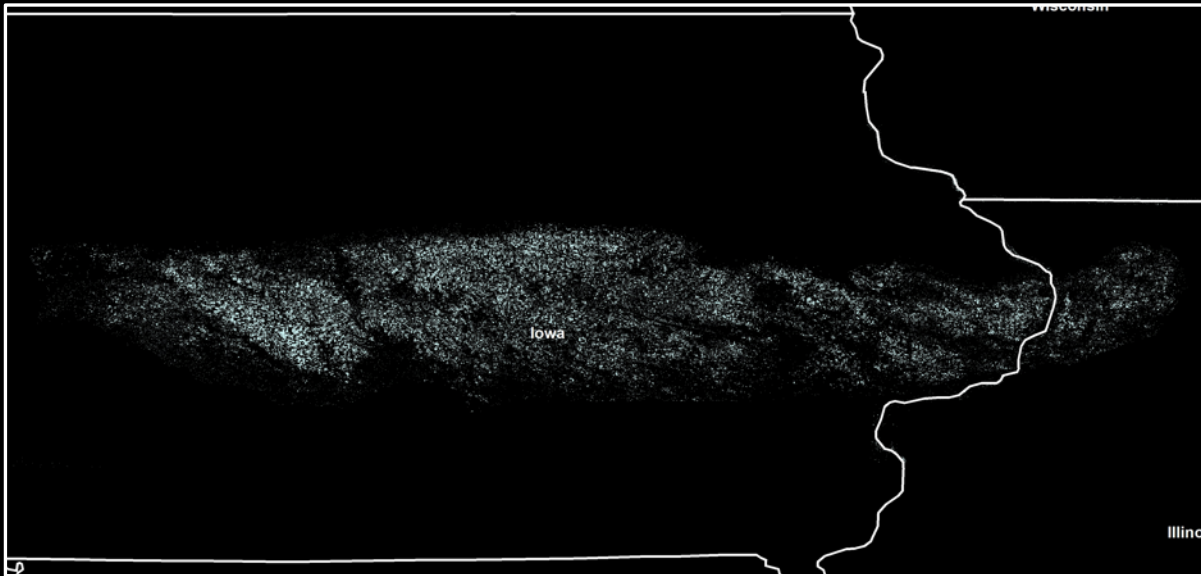


Derecho Analysis:

On the 10th of August, Storm Derecho hit the states of Iowa and Illinois in North America, causing damage across **58,000** insurance policies and leading to months of claims adjustment. Using synthetic aperture radar (SAR), PlanetWatchers were able to analyze the impact of the storm in just **1hr**.



1.25m
Acres of crop damage

Corn: 94%
Soybean: 6%

Average age of crop:
113
days

County Losses:



■ >100k acres
 ■ 75-100k acres
 ■ 50-75k acres
 ■ 25-50k acres
 □ 0-25k acres

1	Dallas:	\$3.1m	6	Clinton:	\$2.3m
2	Marshall:	\$2.7m	7	Boone:	\$2.1m
3	Greene:	\$2.7m	8	Benton:	\$1.9m
4	Tama:	\$2.5m	9	Carroll:	\$1.8m
5	Story:	\$2.4m	10	Jasper:	\$1.5m

Total Loss:

Combining severity and extent analysis with planting dates and crop type we can calculate the project yield loss:

\$31m

Yield loss

Why this Matters:

Adjustors were still 'in the field' assessing Derecho damage more than 4 months after the event. PlanetWatchers automates this process to deliver results in just 1 hour.

4 Months

The time taken to manually assess the damage caused by Derecho.

100,000 +

Man-hours to assess the damage caused by Derecho.

\$2.5m +

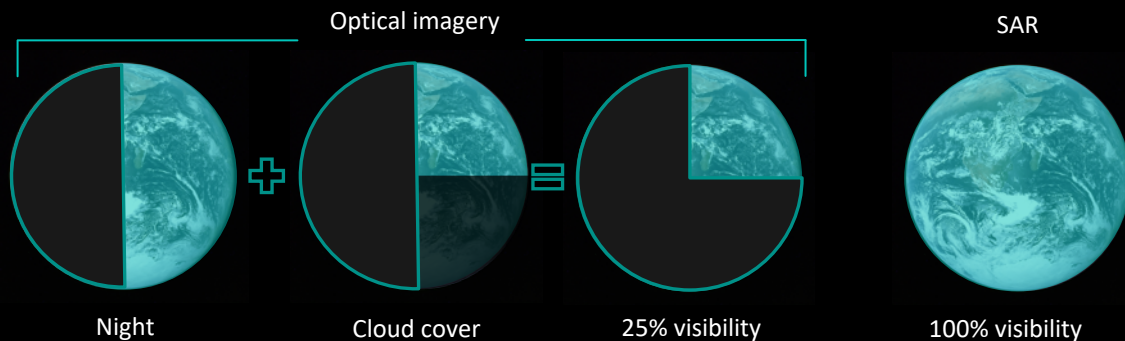
The cost of manual assessment in man-hours alone.

1 hr

The time taken for PlanetWatchers to analyze the damage caused by Derecho.

Optical vs. SAR:

The limitations of optical sensors has driven the defence and intelligence agencies to adopt synthetic aperture radar.



We pride ourselves in delivering 'best in class' analysis to the crop insurance industry. Delivering accurate results at scale in a timely and cost effective manner.

www.PlanetWatchers.com

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