

## Case Study - YieldPro

# Early detection of fall armyworm through YieldPro crop monitoring



Early detection of Fall Armyworm by Farmdar's plant health report helped prevent major crop damage and yield loss.

# CHALLENGE

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Fall Armyworm is one of the most destructive pests in maize cultivation, rapidly damaging large portions of healthy crop before visible symptoms appear. Timely detection is critical, yet traditional scouting methods often miss early-stage stress, leading to delayed response and irreversible yield loss.

Corteva, seeking to enhance farmer support, partnered with Farmdar to deploy YieldPro across 55,000 acres of Spring maize fields in Punjab. The aim was to strengthen early risk detection, optimize field-level decision-making, and build trust through tangible value addition.

The image shows visible signs of Fall Armyworm damage on maize leaves, including holes and frass, indicating active pest infestation.



FARMDAR

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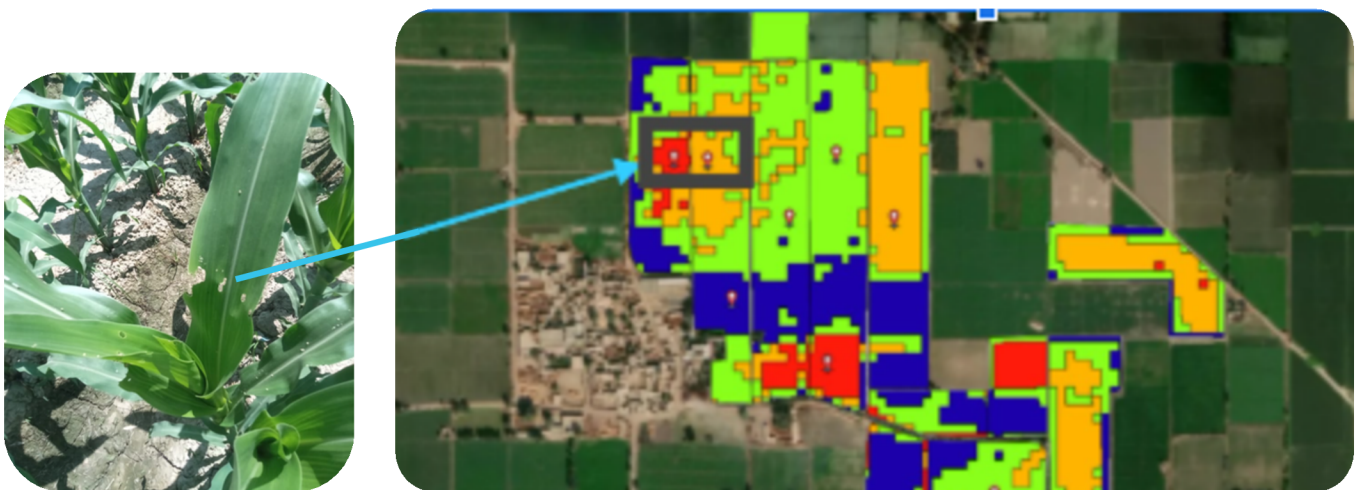
<https://www.farmdar.ai/>

# SOLUTION

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Using plant health report, YieldPro flagged localized stress patches not yet visible to the eye. Field validation by agronomists confirmed the presence of Fall Armyworm in affected areas.

Farmers were immediately advised to apply Corteva's recommended crop protection solutions. Because the infestation was caught early, the pest's spread was contained, and crop recovery was successful.



The arrow highlights a red stress zone flagged by YieldPro's plant health report, which triggered timely scouting and early detection of Fall Armyworm infestation.

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# IMPACT

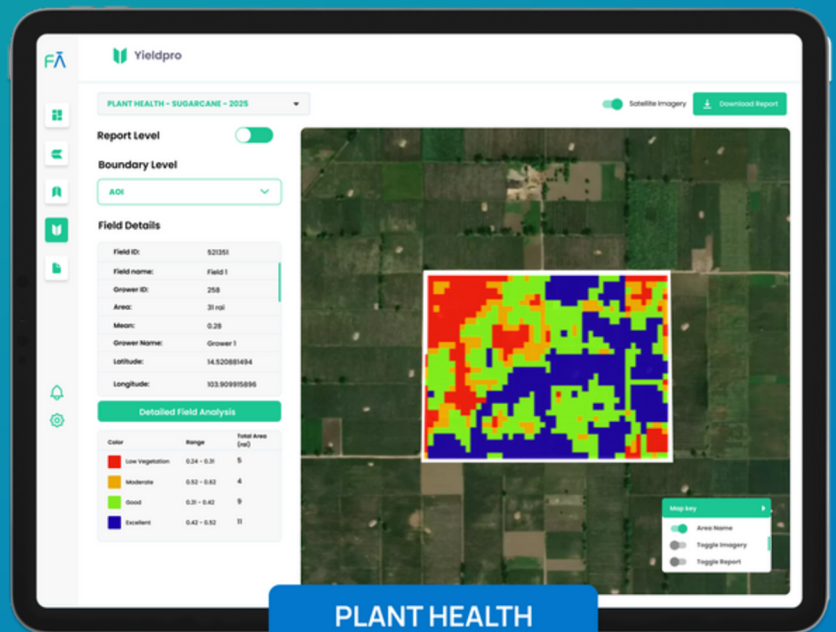
**Fall Armyworm spreads fast. Waiting means damage.**

YieldPro gives growers the power to act early, using space technology to spot stress before it's visible.

**The result:** *protected yields, lower costs, and stronger brand impact for agri-input leaders.*

- **Prevented widespread crop damage** through early detection
- **Improved grower trust** with accurate crop monitoring
- **Targeted interventions** minimized input cost and loss
- **YieldPro's accuracy, with over 90% report precision**

Our YieldPro dashboard delivers weekly insights on **plant health, stress, nitrogen, organic matter, moisture and productivity zones**, empowering farmers and mill owners to take timely action and boost yield.



**FARMDAR**

<https://www.farmdar.ai/>

# Unlock greater value for your farmers with Farmdar

Leverage Farmdar's YieldPro to enhance yield forecasts, optimize input use, and boost profitability.

## **CONTACT US**

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The logo for Farmdar, featuring the word "FARM" in green and "DAR" in blue, with a stylized blue "A" that has a horizontal bar across its top. A thin horizontal line is positioned below the logo.

FARM DÄR

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