

Pre-seed · Kandy, Sri Lanka

Mistline Agro

Predicts blister blight and plans spraying for tea estates using low-cost leaf-wetness sensors



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What's broken today

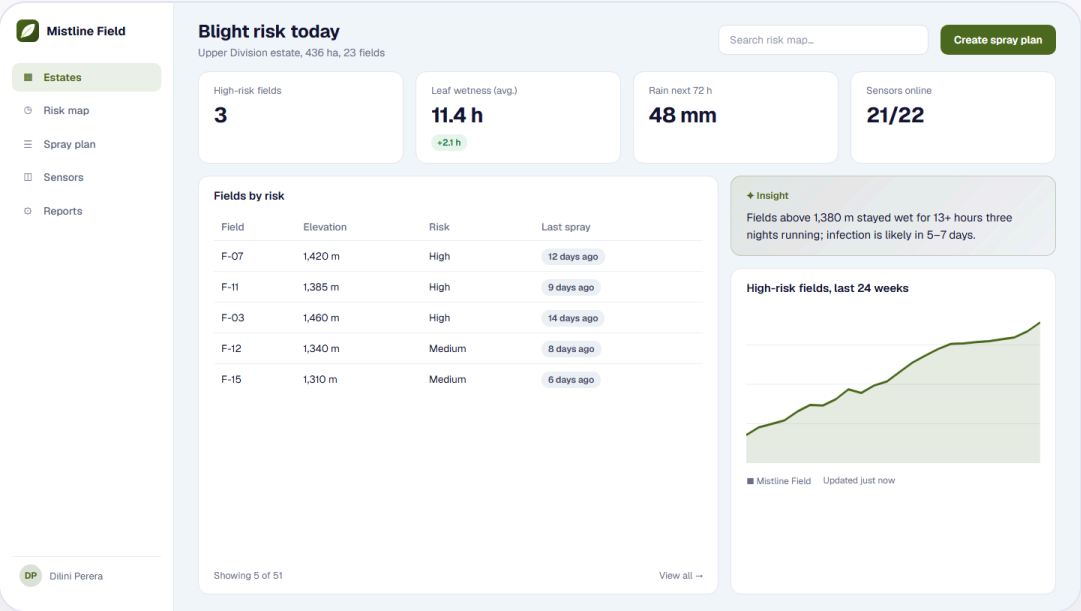
Blister blight, a fungal disease that thrives in mist and wet leaves, can cut a tea estate's yield by a third during the monsoon. Estates spray copper fungicide on fixed calendars because they cannot tell which fields are at risk this week, so they overspray some fields and miss others. Spraying a 400-hectare estate costs millions of rupees a season, and buyers increasingly ask for lower residues.



Our solution

Mistline Field

Mistline places solar-powered leaf-wetness, humidity and light sensors every 20 hectares and combines them with weather forecasts to score blister blight risk for each field every morning. Field officers get a spray list in Sinhala, Tamil or English with fields, dose and the best window, and log each round in the app. Photos from field officers confirm where infection actually appeared, improving the next forecast.



Spray plan

 Mistline Field

Estates

Risk map

Spray plan

Sensors

Reports

 Mistline Agro

DP

Dilini Perera

Spray plan

Tomorrow, 06:30–10:00 window

Search risk map...

Send to field officers

Fields

5

Hectares

96

Copper needed

19 kg

Gangs assigned

3

Plan

Field	Hectares	Dose	Team
F-03	21	210 g/ha	Gang A
F-07	18	210 g/ha	Gang A
F-11	22	210 g/ha	Gang B
F-12	17	170 g/ha	Gang B
F-15	18	170 g/ha	Gang C

Showing 5 of 200

View all →

◆ Insight

Rain is forecast from 11:00, so anything sprayed after 10:00 would wash off before it dries.

Why now

The timing

Tea estates face rising input costs and buyer limits on copper residues, while solar sensors now cost under US\$60 each.

Market

Tea estates and smallholder collectives in Sri Lanka and South India, with around 200,000 hectares of tea in Sri Lanka alone; the same approach applies to coffee and rubber diseases.



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How we make money

Per-hectare annual subscription (about US\$9 per hectare) including sensors, with a lower rate for smallholder collectives sold through tea factories.



Traction

Where we are

6

Estates in pilot

2,400

Hectares monitored

2

Paid pilots

22%

Spray rounds saved

- 6 estates in pilot covering 2,400 hectares
- 22% fewer spray rounds over the 2026 south-west monsoon
- 2 estates converted to paid pilots for the next season



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Team

Who's building it

DP

Dilini Perera

CEO and co-founder

KR

Kavin Rajendran

CTO and co-founder

SW

**Suranga
Wickramasinghe**

Head of Field Operations



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The ask

What we're raising

Raising US\$750K pre-seed to cover 10,000 hectares by the 2027 monsoon

- Sensor batch for 10,000 hectares
- Smallholder version sold through tea factories
- Agronomist to validate risk scores in Uva and Nuwara Eliya



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