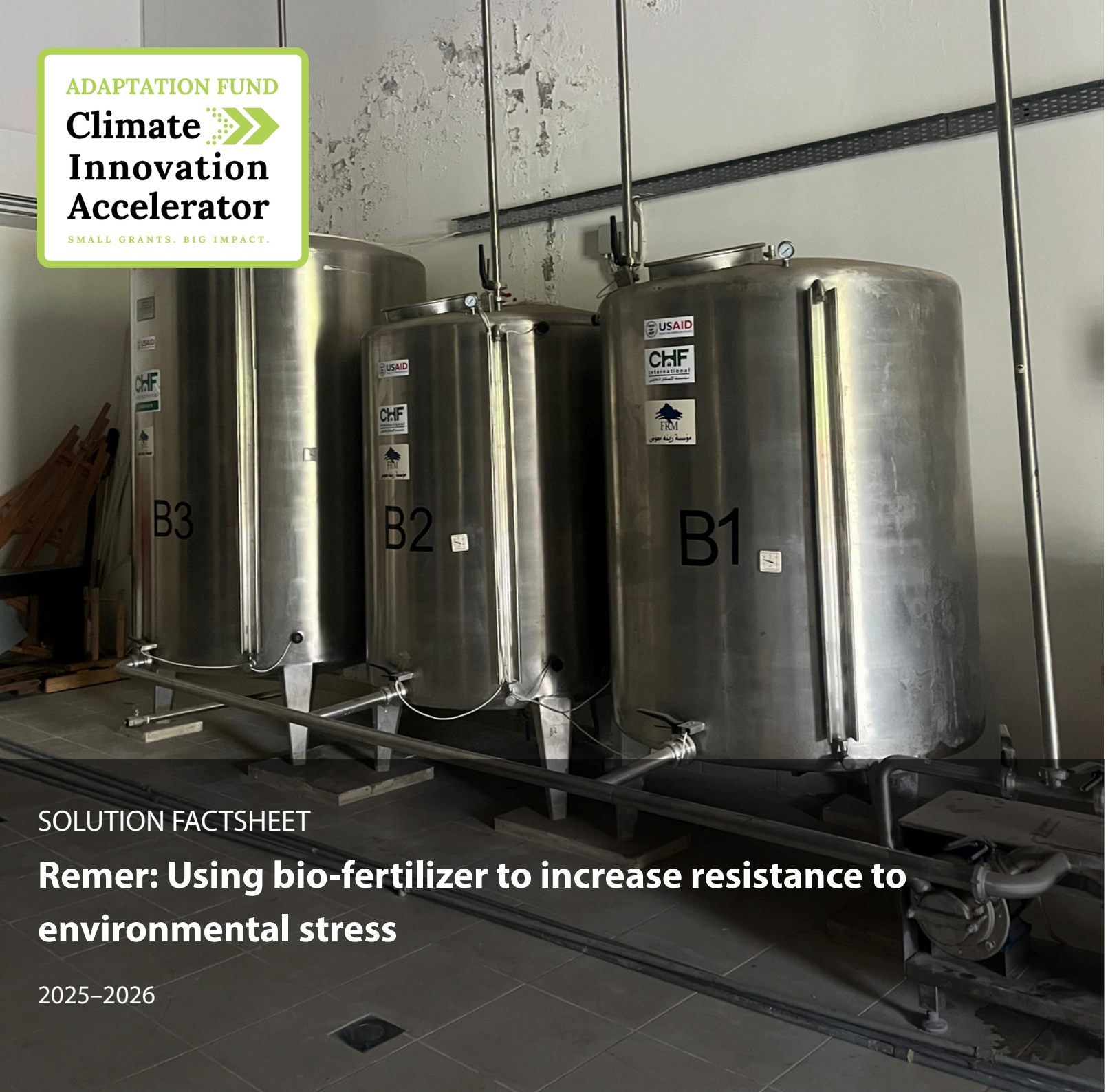


ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

SOLUTION FACTSHEET

Remer: Using bio-fertilizer to increase resistance to environmental stress

2025–2026

UN WFP World Food Programme | INNOVATION ACCELERATOR

Solution Summary

Location:
Lebanon

Solution type:
Biofertilizer

Innovation stage:
Transition to Scale

Grantee:
Remer sal

Implementing entity:
World Food Programme

Funding received:
USD 160,000 (Adaptation Fund)

ADAPTATION FUND

The Adaptation Fund Climate Innovation Accelerator provides grants and technical assistance to innovative solutions for adapting to climate change.

Adaptation Innovation

- Growth, Remer's bio-fertilizer, is made from beneficial microorganisms that enhance soil quality and stimulate plant growth.
- It improves nutrient availability and stimulates root development, resulting in healthier plants with greater resistance to environmental stresses.
- This sustainable solution supports smallholder farmers by improving soil fertility and water retention through natural means, while reducing reliance on pesticides and chemical fertilizers.

Climate Impacts

The solution is helping Lebanon adapt to:

Drought and water security

High temperatures and heatwaves

Key Achievements

- Since 2022, "Growth" has covered 0.36 percent of Lebanon's farmland, with 45,900 litres sold to 478 customers. Reducing fertilizer needs by 70 percent, it lowers costs and increases yield by up to 30 percent in terms of quantity and quality.
- In 2025, Remer implemented its initiative in North Lebanon, providing 1,698 smallholder farmers with training and access to the Growth biofertilizer. Through collaboration with the Lebanese Ministry of Agriculture, the team delivered targeted awareness sessions to support farmers in adopting more sustainable agricultural practices.

Replication and Scaling Potential

- The size of the "Growth" market in the MENA region is estimated at USD 100 billion, driven by the region's demand for sustainable agricultural solutions to water scarcity and soil degradation. In Lebanon, the market size is around USD 57,000, providing a strong local base for development. By transforming "Growth" into a powder form with environmentally friendly packaging, Remer can tap into these markets, ensuring greater accessibility and adoption.

Investment Potential

- **Business model:** B2B, B2C
- **Revenue per year:** Currently, the company reports revenue of USD 200,000.
- **Sustainable approach:** The company is trying to achieve long-term financial sustainability through revenue growth, cost efficiency, product diversification and diversified funding.

Project Location



To learn more, visit [WFP-AFCIA Remer]

Last updated: 30/10/2026