



Empower farmers.
Fight against drought.
Promote sustainable agriculture.

EF Polymer

- produces world's first 100% natural and biodegradable superabsorbent polymer optimized for sustainable agriculture
- helps farmers decrease water and fertilizer uses while increasing yields (ex. water ~40%, fertilizer ~20%, and yields ~15%)
- is your partner for your company's sustainable transformation in agriculture and beyond (daily and sanitary products)



Problems We Are Tackling: Climate Change is Causing Drought Globally

45% world population facing drought today

70% water available for human is used for agriculture

Map Information

- The **Drought Risk** indicator¹ derives from the interactions between hazards (probability of a drought event), exposure (amount of population, livelihoods, assets, resources, and services in drought-prone areas), and vulnerability (susceptibility of exposed elements to suffer adverse effects when impacted by a drought event). The drought exposure derives from the combination of population (Source: JRC GHSL), global agricultural lands (Source: SEDAC), gridded livestock of the world (Source: FAO), and baseline water stress (Source: JRSI).
- The Baseline **Water Stress** indicator² measures the ratio of total water withdrawals (domestic, industrial, irrigation and livestock consumptive and non-consumptive uses) to available renewable water supplies. Higher values indicate more competition among users.



¹ Warm and cold arid land, ice cap - ² Temporal range 2000-2014, spatial resolution 0.5-degree sub-basin - ³ Temporal range 1960-2014, spatial resolution Hydrological sub-basin

Problems We Are Tackling: Drought is Causing 30-40% Yield Decrease for Farmers



Our Solution: 100% Natural and Biodegradable Water & Fertilizer Retainer

- Made of **bio-waste**
- **1** g absorbs up to **50** g Water
- Effective for **6** months
- Fully biodegrades in **1** year



Our Solution: 100% Natural and Biodegradable Water & Fertilizer Retainer

- Economically and Environmentally Sustainable Agriculture

Example:

40% less water

20% less fertilizer

15% yield increase



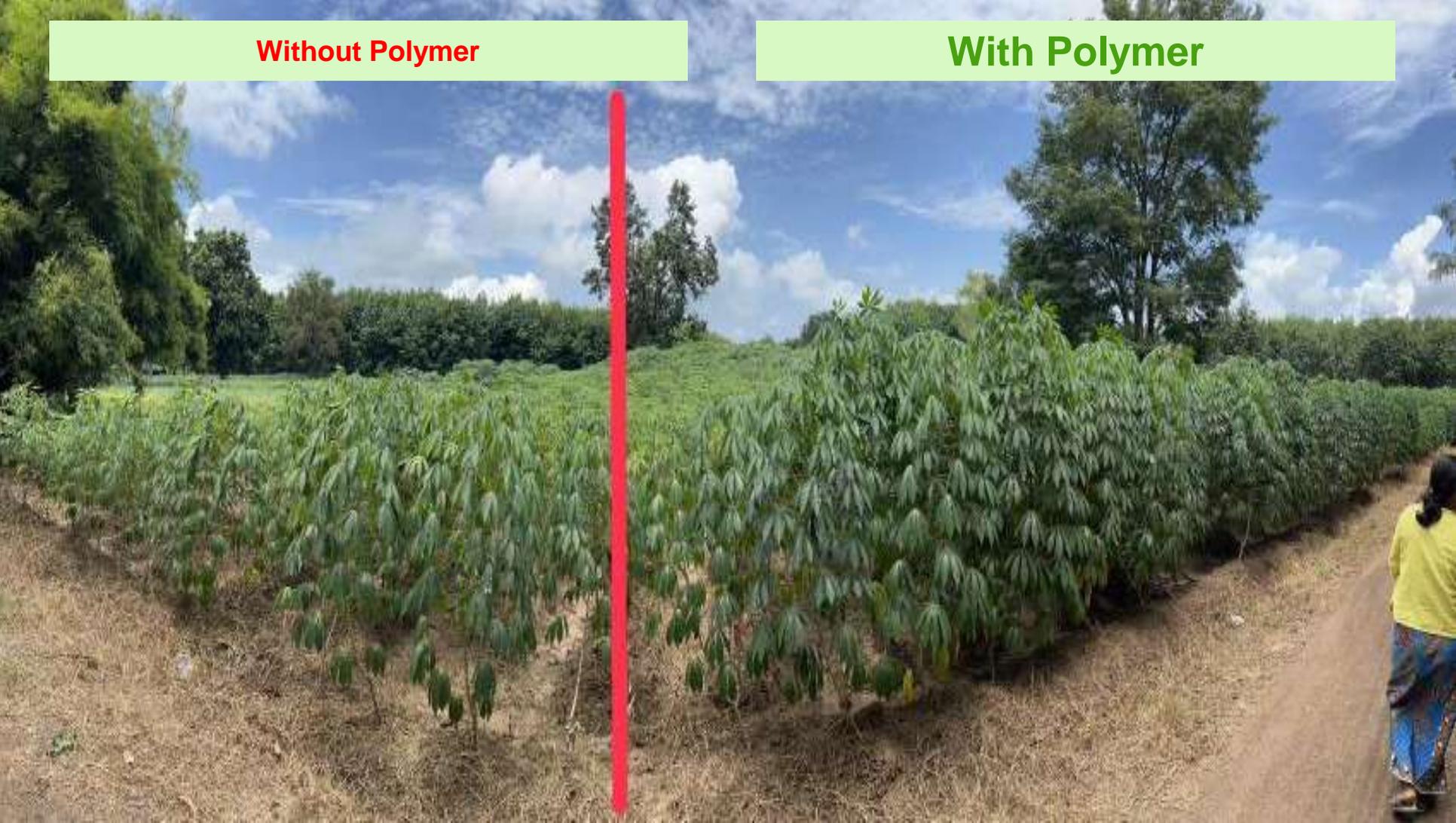
Without Polymer

With Polymer



Without Polymer

With Polymer



Why **Our End Users (= Farmers)** choose us?

Farmers are looking for products that are

**Optimized for
Agriculture**



**In Effective for
Long Time**

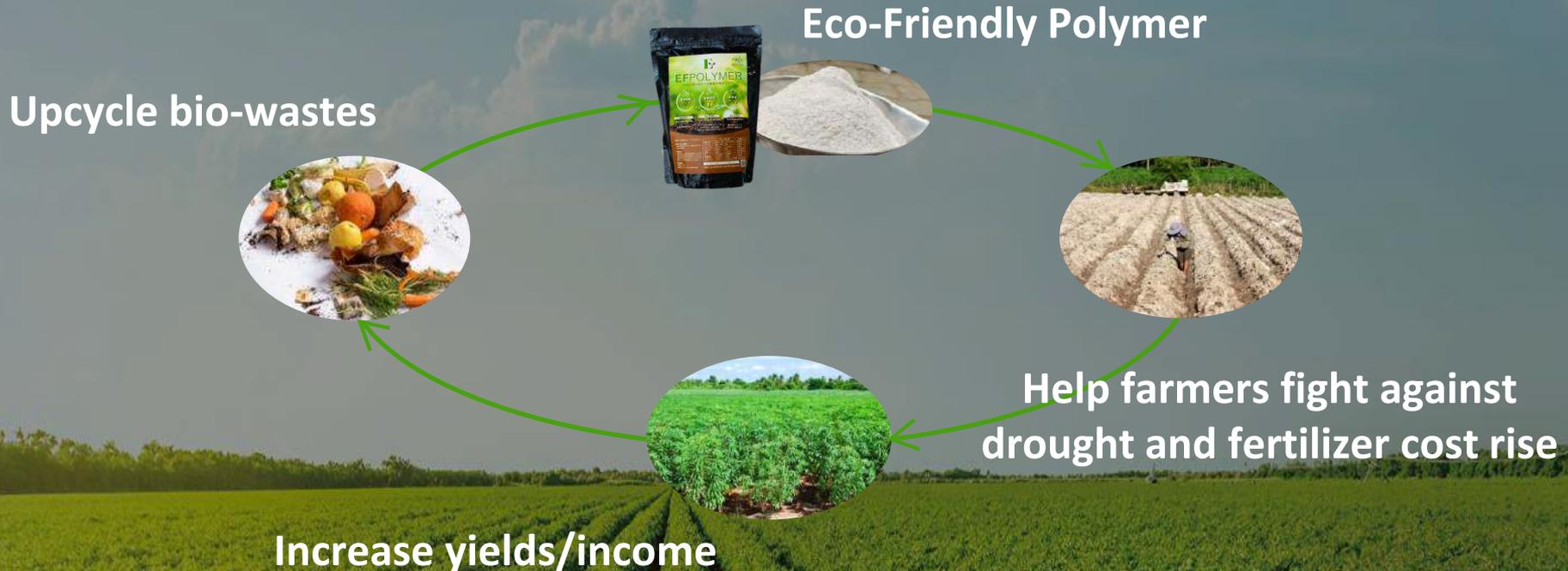
**Not Damaging
the Farm**



**Enhancing Soil
Environment**

Our Vision – Circular Model:

With our patented technology, we can upcycle locally collected bio-wastes to help local farmers



Beyond Agriculture:

Agriculture / Horticulture



Water Retainer



Bio-Mulching

Sanitary Products



Sanitary Pad

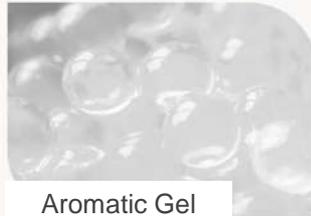


Diaper

Daily Products



Shampoo & Rinse



Aromatic Gel

Food / Distribution



Icepack Gel

Cosmetics



Cosmetics

Disaster Prevention Goods



Sandbags



Portable toilet

Pet Goods



Pet Sheet

Medical



Coagulant



無印良品で先行導入

環境に優しい保冷剤 原材料は？

Business Line

Sales

- D2C Sales
- Agents
- Distributor



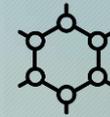
Licensing

- B2B Product Development Licensing (agriculture and non-agriculture)



Consulting

- B2B, B2G Waste to Wealth Consulting



Series A Fundraising (April 2023)

4M USD

- **Production Capacity (100tonnes/m)**
- **R&D (product improvement, raw material diversification, etc.)**
- **Business development in India, Japan, US, France, and Thailand**

Tractions Since 2021

160^{tn}

Sold

12,000

Farmers

12,000

Acre

5

Nations

Energetic and Growing Team



Narayan Lal Gurjar
(Co-Founder/CEO)

Eco-Friendly Polymer Japan (HQ) – 11 members

Hiroshi Yoshikawa (CFO)
Kunihiro Shimoji (COO)
Kyoji Nakao (Public Relations and Marketing, Director)
Hiromi Tsukada (Business Development, Senior Manager)
Vincent Dupuy (Business Development, Manager)
Eriko Kotani (Administrative Manager)
Martin Cheung (R&D Staff)
Ko Nakagawa (R&D Staff)
Rintaro Najima (R&D Staff)
Ginji Takara (Business Development Staff)
Eri Yoshikawa (Accounting Staff)

Eco-Friendly Polymer India (Subsidiary) – 40 members

Puran Singh Rajput (Co-Founder/ COO)
Ankit Jain (Co-Founder / CBDO)
Teams:
Operations, Sales, R&D/Piloting,
Production, Accounting, HR, Marketing, Public Relations

Awards & Achievements

Ministry of Environment
Best Startup Award



Cleantech Group
APAC CleanTech25



All India Startup Award
Best Startup Award in Rajasthan



Bill & Melinda Gate Foundation
Melinda's Visit



G20 DIA Summit
AgriTech Section 2nd Prize



Creww X Google for Startup
Global Sustainability
Accelerator

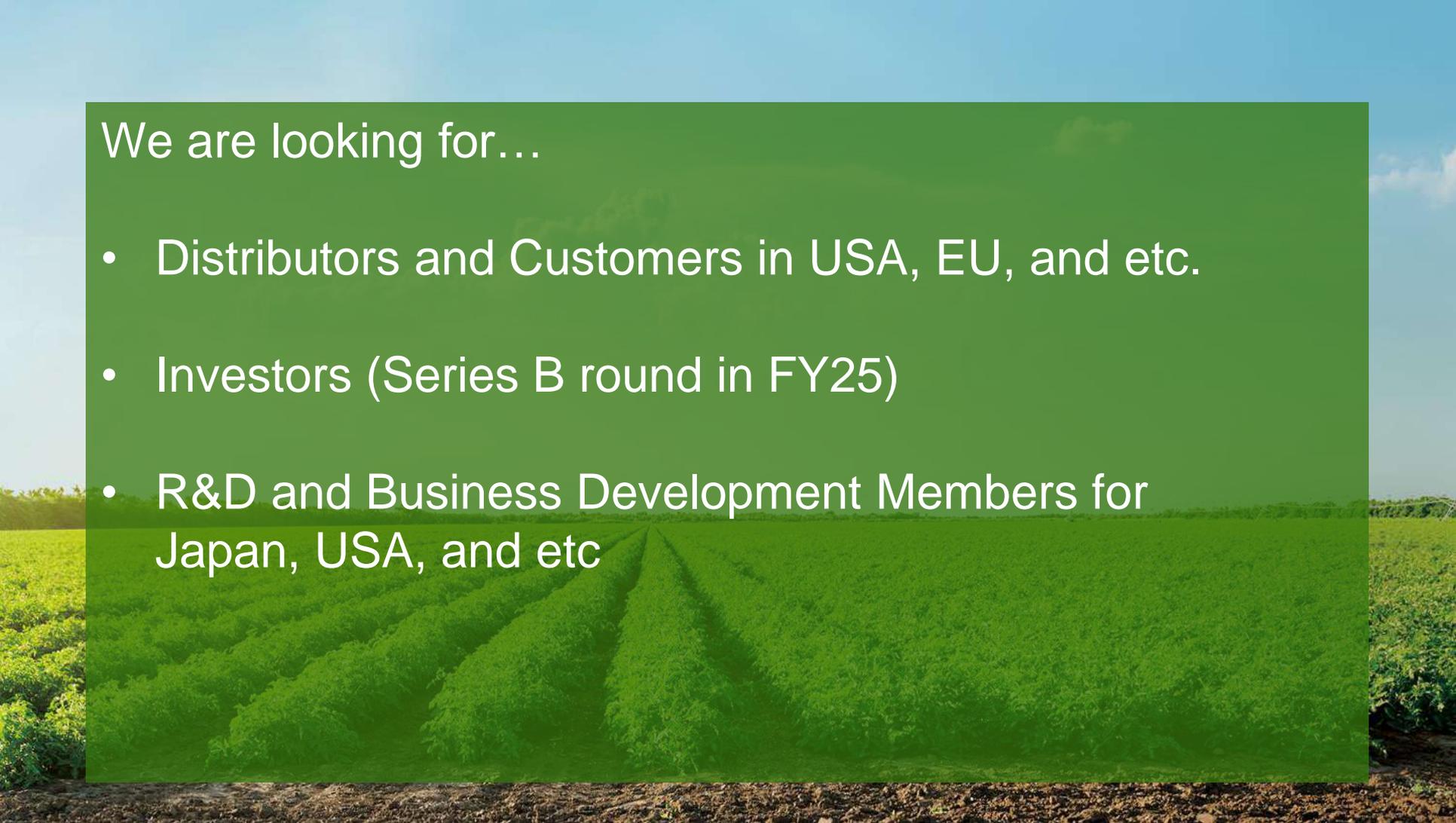


ICC Real Tech Catapult
1st Place



French SIVAL Innovation
Silver Prize





We are looking for...

- Distributors and Customers in USA, EU, and etc.
- Investors (Series B round in FY25)
- R&D and Business Development Members for Japan, USA, and etc



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