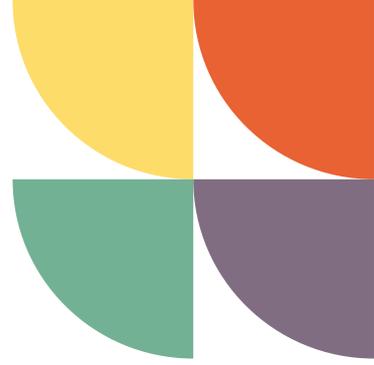




CLEAN
Create. Connect. Collaborate.



Hydro Greens



WATT MATTERS 2025

WEEKLY MEMBER SPOTLIGHTS





HYDROGREENS

 KARNATAKA



EST. 2019



HYDROPONIC FODDER

ABOUT

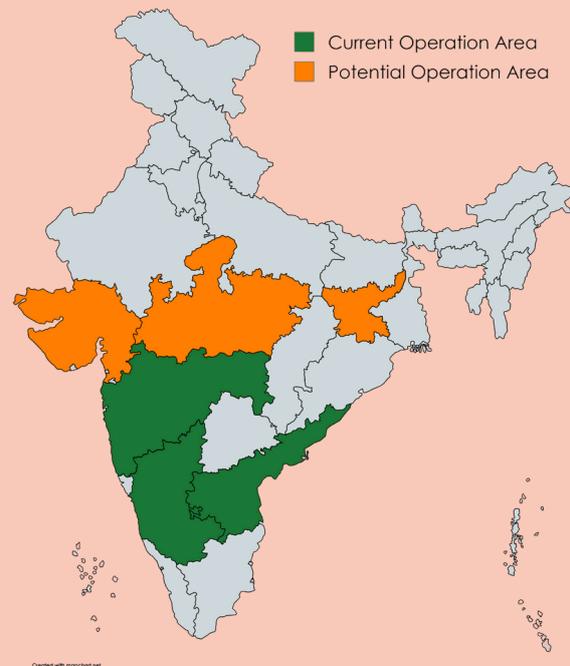


Hydro Greens

Founded by Vasanth M Kamath, Hydrogreens is a Bangalore-based agritech enterprise that addresses the persistent challenges of fodder scarcity, land degradation, and water-intensive livestock feeding in India. Its mission is to create resilient food systems for animals and improve rural livelihoods by enabling year-round, climate-resilient fodder production.

Operating in Karnataka, Maharashtra, and Andhra Pradesh, Hydrogreens provides low-cost, solar-powered hydroponic units that help farmers grow green fodder sustainably, even in arid or drought-prone areas. Its innovation bridges the gap between rising livestock needs and the shrinking availability of green fodder, without relying on arable land or excessive water use.

Current Markets	Potential Markets
Karnataka, Maharashtra, Andhra Pradesh	Gujarat, Madhya Pradesh, Jharkhand



Map. Current and Potential Markets

TECHNOLOGY & PRODUCTS

KAMBALI™ V1

A compact hydroponic fodder system designed for small-scale use. With a guaranteed daily output of 2 trays (approximately 10–14 kg), it can supplement the feed for 2 cattle or 10 small ruminants. Ideal for individual farmers or small dairy operations.

KAMBALI V2™ – Hydroponic Fodder System

An upgraded model offering higher capacity. It delivers a guaranteed daily output of 4 trays (approximately 20–28 kg), sufficient to supplement feed for 4 cattle or 20 small ruminants. A reliable choice for medium-sized farms aiming for consistent green fodder production.

FODDER STATION™

A scalable fodder production facility consisting of up to 50 KAMBALI™ units installed in a climate-controlled, well-designed space. This system can generate 500–700 kg of high-protein Carpet Fodder™ daily—suitable for large farms, cooperatives, or fodder entrepreneurs looking to serve multiple livestock owners.



MARKETS

* Market Segments

Hydrogreens operates with a blended B2B and B2C model:

- B2B: Partners with dairy cooperatives, NGOs, and CSR initiatives to deploy units at scale
- B2C: Individual farmers and livestock owners purchase units directly for on-farm use

* Business and Payment Models

Hydrogreens offers flexible purchase models including:

- Outright Purchase with training and setup
- CSR and NGO Co-funded Models
- Microfinance and SHG Linkages to improve affordability

Type of Intellectual Property	Details
Utility Patents	3 filed, 1 granted
Design Registrations	6+ total, 3 granted
Trademarks	23 registered

Table. Intellectual Property

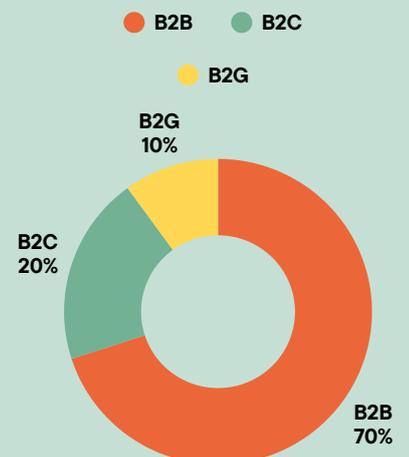


Chart. Business Segment Distribution

IMPACT

Economic Impact

- 1000+ livelihoods impacted irreversibly.
- Net income increase of ₹60+ per cattle per day
- 150% ROI in 200 days of system purchase
- 25% increase in dairy income per lactation
- ₹96 lakh+ annual income generated per fodder station.

Environmental Impact (LCA Certified)

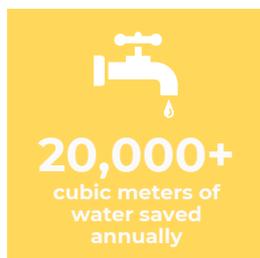
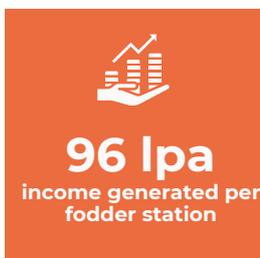
- Carbon negative biomass harvested – 180+ tons per year.
- CO₂e avoidance – 12+ tons.
- CO₂e reduction – 1.34+ tons.

Water Efficiency

- 100 litres of water saved per kg of fodder produced.
- 20,000+ cubic meters of water saved annually.

Social & Gender Impact

- 4 hours of daily fodder drudgery eliminated for women.
- Supports "Grass to Glass" wellness under the One Health approach.



Way Forward

Hydrogreens is set to expand its operations into Gujarat, Madhya Pradesh, and Jharkhand—targeting drought-prone and fodder-deficient regions. The enterprise aims to scale its hydroponic fodder innovation by integrating it with existing community dairy networks. To support this, Hydrogreens plans to launch a seed supply service using its patent-pending post-harvest storage container, KANAJ, ensuring efficient input delivery to customers. Looking ahead, it also intends to introduce insurance options for end users to enhance climate resilience. Through these efforts, Hydrogreens seeks to build a climate-smart dairy ecosystem that strengthens the livelihoods of smallholder farmers.



Alignment with SDG Goals



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