Feedback Report on the Use of "Glow Green" Input in Vegetable Blocks

Seasons Covered: Kharif & Rabi 2024–2025

Introduction

Krishna Sudha Academy for Agroecology is a 38-acre campus located at Kondaparva, on the Nuzivid to Visannapet Highway in NTR District, Andhra Pradesh. The Academy's core focus is on **Training, Research, and Development of Sustainable Farming Models** rooted in natural and organic farming principles.

At Krishna Sudha Academy for Agroecology, our training programs primarily consist of **Foundation and Advanced Courses** on **Natural and Organic Farming Practices**. As part of these offerings, we provide structured courses on the **Establishment of Bio Resource Centre (BRCs)** at village and Panchayat levels, **Participatory Guarantee System (PGS) certification**, **Agri-based marketing and value chains**, and **Formation and Strengthening of Farmer Producer Organizations (FPOs)**. These courses are designed to build practical and institutional capacities for agroecological transformation at the grassroots level.

In parallel, the Academy conducts **adaptive and challenge-based research**, **demonstrations**, and **field trials** to validate and scale sustainable agricultural practices and models. To date, we have trained over **2,400 participants**, including farmers, community resource persons, NGOs, extension personnel, and departmental staff.

Objective of the Feedback

To evaluate the performance, compatibility, and impact of the input **Glow Green** in our vegetable cultivation plots, focusing on crop yield, quality, and soil health under natural farming systems.

Crop Details

- **Main Crops:** Tomato, Brinjal, Bottle Gourd, Leafy Vegetables
- **Farming System:** Permanent raised beds with mulching and organic inputs, in a *Kalpatharuvu* methodology (multiple crops on the same raided bed)
- **Plot Area:** Regular Academy vegetable blocks

Practices Followed

During both Kharif and Rabi 2024–25 seasons, the following practices were followed:

- **Cow-based Inputs:** Jeevamrutham, Panchagavya, Amruthajalam and Glow Green Product.

- **Compost:** 6 tons of compost per acre

- **Bio-fertilizers:** Azotobacter, Azospirillum, PSB, ZSB, KSB, and microbial consortia.

- **Cultural Practices:** No-tillage (permanent beds), crop residue mulching

- **External Input:** Glow Green (applied as per product guidelines)
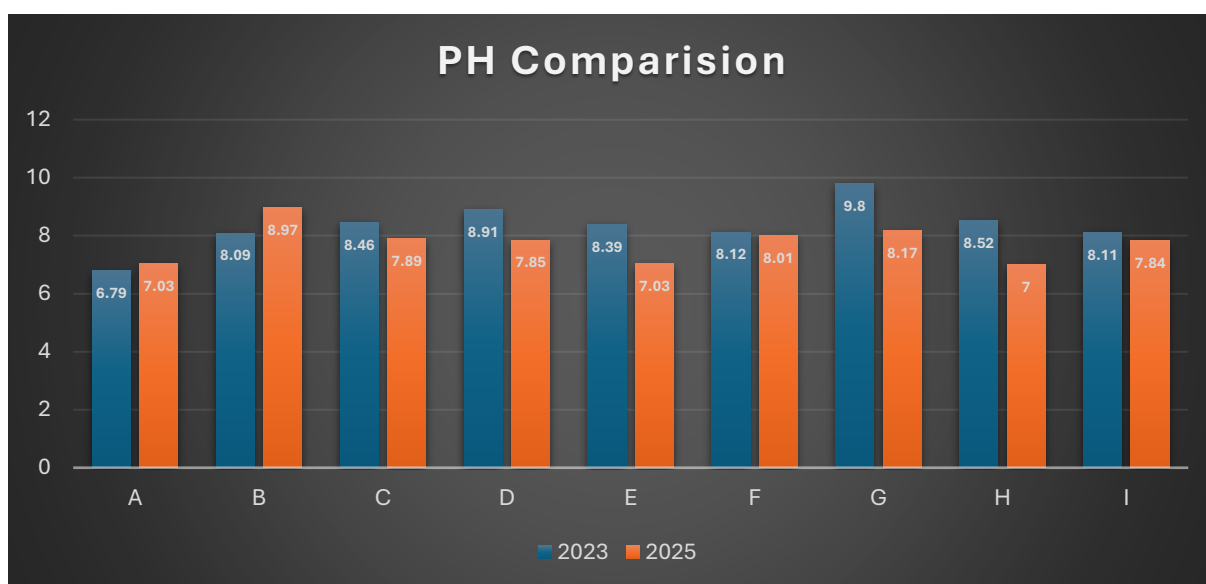
Observations & Results
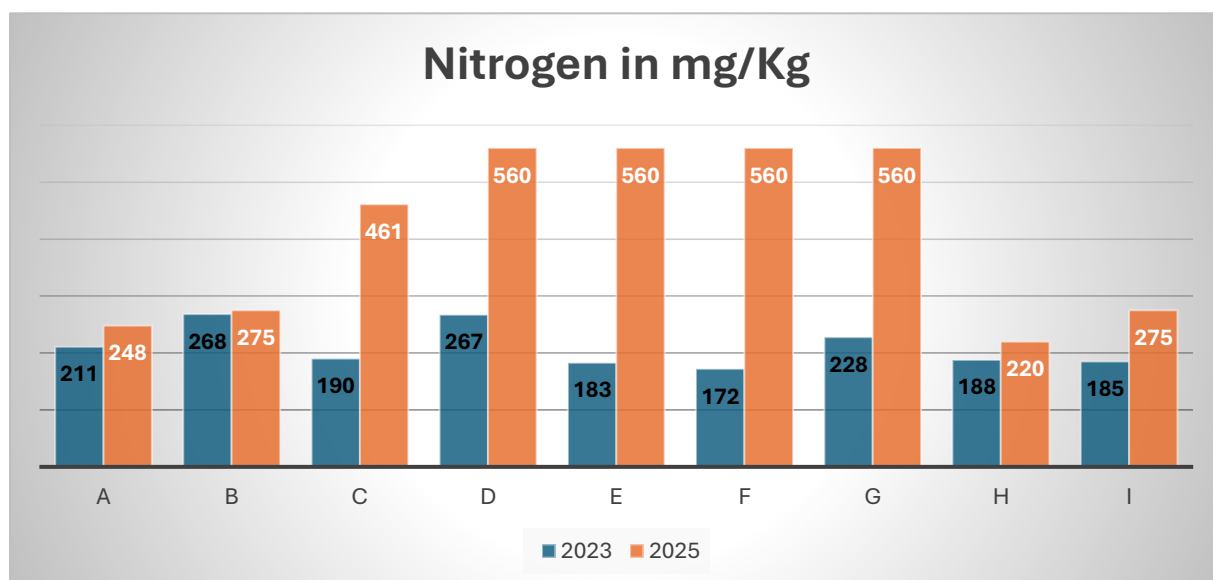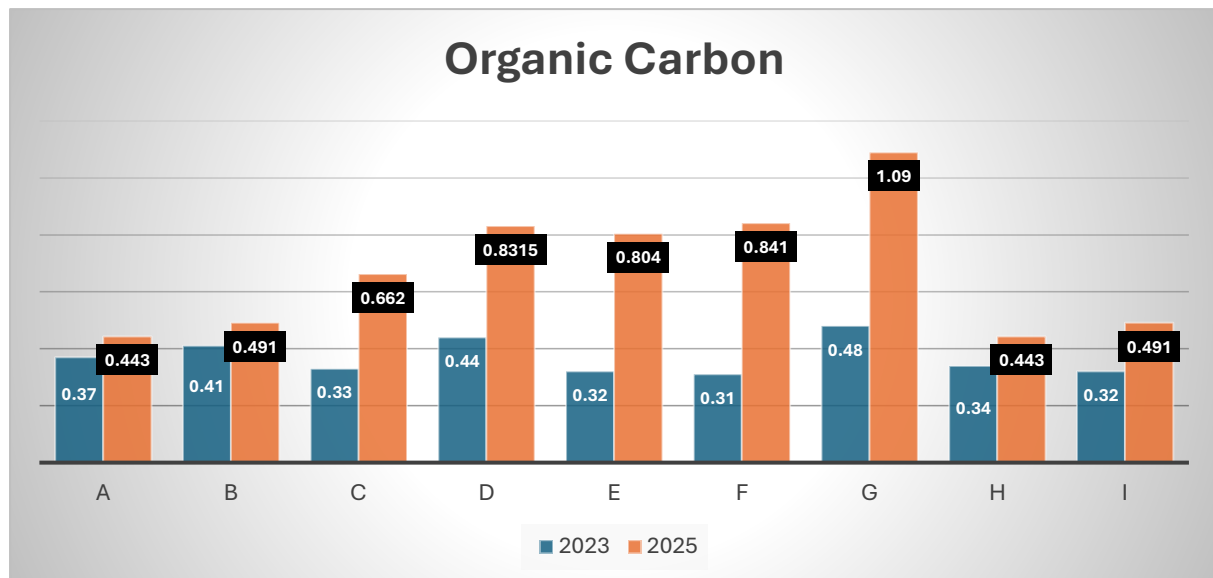
Parameter	Observation
Yield	4–5% increase in yield over control plots
Crop Quality	Improved crop stand and quality in fruiting crops like tomato and brinjal
Soil Health	Increase in **organic carbon** content and more balanced **soil pH** as per seasonal soil tests
Synergy	No incompatibility with cow-based and microbial inputs; showed positive integration.

PH Comparision

	A	B	C	D	E	F	G	H	I
2023	6.79	8.09	8.46	8.91	8.39	8.12	9.8	8.52	8.11
2025	7.03	8.97	7.89	7.85	7.03	8.01	8.17	7	7.84

Organic Carbon

	A	B	C	D	E	F	G	H	I
2023	0.37	0.41	0.33	0.44	0.32	0.31	0.48	0.34	0.32
2025	0.443	0.491	0.662	0.8315	0.804	0.841	1.09	0.443	0.491

Nitrogen in mg/Kg

	A	B	C	D	E	F	G	H	I
2023	211	268	190	267	183	172	228	188	185
2025	248	275	461	560	560	560	560	220	275

Conclusion

Based on field observations, yield data, and seasonal soil testing, we conclude that **Glow Green, i**n addition to our other organic farming methods, is a **beneficial and compatible input** under organic and natural farming systems. It contributed to **marginal yield improvements**, **enhanced produce quality**, and **positive soil health indicators**, especially in terms of organic matter and pH stability.

We recognize Glow Green as a supportive input in our integrated organic farming strategy and recommend further adaptive field trials at the farmer level under guided conditions.

Note:

The observations and feedback presented in this report are based on field-level experience during the 2024–2025 Kharif and Rabi seasons at Krishna Sudha Academy for Agroecology. In addition to the application of *Glow Green*, we used a combination of cow-based inputs (such as Jeevamrutham, Panchagavya, Amruthajalam), poultry compost, and bio-fertilizers. The soil health assessments were conducted through **STFR (Soil Test Fertilizer Recommendation) analysis in our in-house soil lab**. The outcomes reflect the performance of *Glow Green* **within this specific integrated organic farming context**.

Photo Gallery