

# The Good Rice Alliance

## CULTIVATING A GREENER FUTURE

Rice production amounted to 196.25 million tonnes of carbon in 2022.<sup>1</sup> Methane emission from rice cultivation has a Global Warming Potential (GWP) of 28, meaning it is 28 times more potent than carbon dioxide,<sup>2</sup> and is responsible for approximately 10% of global non-CO2 greenhouse gas emissions.<sup>3</sup>

In India, most of the population consumes rice. India ranks second in global methane emissions from rice cultivation. Irrigated rice also aggravates global water scarcity, consuming over 30% of the world's freshwater and posing concerns for the 2.2 billion people without access to safe drinking water.<sup>4</sup> The global population surge to 10 billion by 2050<sup>5</sup> mandates a 25% rise in rice production to satisfy demand and stabilize prices.

**The Good Rice Alliance (GRA)** is a transformative initiative, aligning with sustainable development goals. It spans India, operating in 11 states, and helps rice farmers adopt climate-smart practices without compromising on yield, ensuring food security and effectively combating poverty.

To establish the seamless implementation of GRA, Bayer has developed The Good Rice Alliance Management System (GRAMS). This system guarantees the delivery of high-quality outcomes, including the issuance of carbon credits. GRAMS operates in alignment with programmatic guidelines for a standardized and effective approach.

Join us in cultivating change with GRA. Together, let's empower farmers and build a sustainable, resilient, and environmentally friendly future.

### Project Highlights:

- **Rigorous Systems:** Well-defined standard operating procedures and GRAMS help ensure program integrity and verifiable carbon credits.
- **Proactive Support:** Challenges are addressed through regular crop reviews and timely assistance to help farmers succeed.
- **Always Transparent:** Real-time data and open communication build a foundation of trust with investors and stakeholders.

### The Good Rice Alliance is supported by:



Mitsubishi Corporation



<sup>1</sup> <https://www.fao.org/faostat/en/>

<sup>2</sup> [https://energy.ec.europa.eu/topics/carbon-management-and-fossil-fuels/methane-emissions\\_en](https://energy.ec.europa.eu/topics/carbon-management-and-fossil-fuels/methane-emissions_en)

<sup>3</sup> <https://www.dw.com/en/how-to-stop-rice-fields-producing-so-much-methane/a-65331307>

<sup>4</sup> <https://www.iwmi.cgiar.org/assessment/Water%20for%20Food%20Water%20for%20Life/Chapters/Chapter%2014%20Rice.pdf>

<sup>5</sup> <https://www.fao.org/3/i6583e/i6583e.pdf>

## Project Highlights:



### PROJECT START DATE

2021



### PROJECT DURATION

2021 – Ongoing



### PROJECT TYPE

- Nature-based solution
- Methane Avoidance - Rice



### PROJECT STANDARD

Methane emission reduction by adjusted water management practice in rice cultivation - Gold Standard



### VERIFICATION BODIES

TÜV SÜD



### VINTAGES AVAILABLE

2021+



### CREDIT TYPE

VER (EX-POST)



### CREDITS AVAILABLE

- 100,000 Tonnes (Pilot)
- 3,000,000+ Tonnes (Future)



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