

**Name of Solution:**

Bio-pesticides and bio-fertilizers for healthier food and safer environment due to less chemical use

Submitter: Indian Council of Agricultural Research (ICAR)

Solution Overview: *What is it, and what problem does it solve? Brief 2–3 sentence description.*

Exhaustive use of chemicals lead to environmental and soil degradation and more chemical residues in food items. Use of Bio-pesticides and bio-fertilizers will lead to less chemical agriculture for safer environment and healthy foods.

Key Features & Benefits: *Main components and why it is useful? Bullet points summarizing methods, tools, and value added.*

Bio-fertilizers will be useful in organic production, reducing the cost of input, healthy chemical free food and maintaining the soil health. Likewise, the bio-pesticides will reduce the use of chemical pesticides, again reduction in input cost and; healthy food and safe environment.

Where It Works and Where It Can Work: *Existing and potential target regions, agroecologies, or farming systems. Include examples if available*

Organic farming can be most potential target. .

Evidence & Impact: *What results has it shown? Stats, pilot outcomes, or testimonials*

Less expenditure, chemical less food and healthy soils.

Scalability & Adoption Support: *Why it can be scaled and what's needed to adopt it? Low-cost, adaptable, partner-ready, etc.*

Reducing the use of chemical pesticides and fertilizers is the need of the hour as these are posing a threat to health of living beings, polluting the environment and deteriorating the soil health.

Partners & Contact Info: *Who's involved and how to connect? List of key contact and partners + email / phone.*

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