



## Kisan Kavach

**Source:** [PIB](#)

Recently, the **Ministry of Science & Technology** unveiled **Kisan Kavach**, India's first **anti-pesticide bodysuit**, that **prevents** chemicals from **leaching into the skin**.

- **Kisan Kavach:** Kisan Kavach is designed to protect farmers from the harmful effects of **pesticide exposure**, including **respiratory disorders, vision loss, and even death**.
  - It is made of '**oxime fabric**' that can **chemically breakdown** any of the common pesticides that get **sprayed onto cloth or body** during spraying operations.
  - The manufacturing process involves **nucleophilic-mediated hydrolysis** on cotton fabric to **deactivate pesticides**.
  - It is developed by **BRIC-inStem, Bangalore**, in collaboration with **Sepio Health Pvt. Ltd.**
- **Pesticide Use:** According to the **Food and Agricultural Organisation (FAO)**, India used **over 61,000 tonnes** of pesticide in 2020.
  - India produces about **four times** more pesticide than it **uses**.
- **Pesticide Poisoning:** Globally, **385 million cases of acute pesticide poisoning** occur annually, causing **11,000 deaths**, with highest impact in **South Asia**.

**Read More:** [Pesticide Poisoning](#)

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