

Analysing the concerns and likely impact of adopting GM crops in India

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International Soy Conclave 2021

October 9-10, 2021

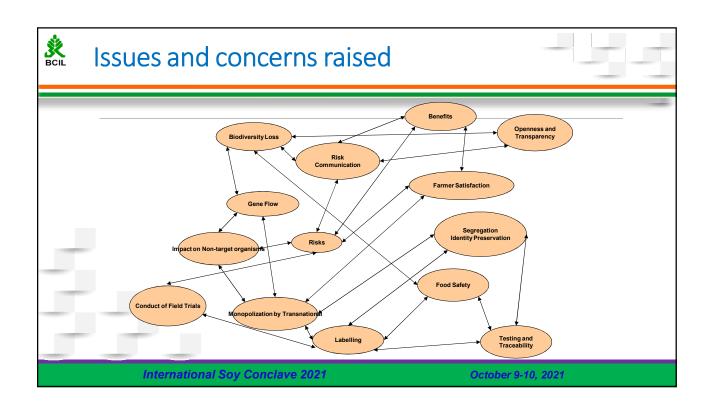


GM crops in India: Concerns by stakeholders

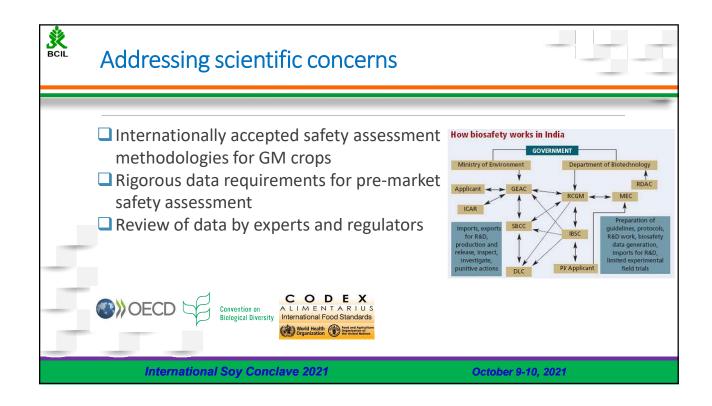
- ☐ Subject of debate at various levels
- ☐ Parliamentary Committee Reports
- Decision documents by regulatory agencies
- ☐ Legal cases in Supreme Court
- Media Reports

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BCIL	Addressing non-scientific concerns
	□ Based on apprehensions □ Not unique to GM crops but applicable to agriculture in general
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Impact of polarized debates: Delay in approval of GM crops

- ☐ Bt cotton Approved in 2002
- ☐ High adoption rates, >95% under Bt-cotton cultivation.
- Benefits include:
- ✓ Tripled Cotton production (13 million bales in 2003 to 37.1 million bales in 2021, Yield gain-31%)
- ✓ Reduced Insecticide sprays (Usage decreased by 39%)
- ✓ Increased production of Cotton seed, and its byproducts -oil and meal (0.46 million tons in 2002-03 to 1.5 million tons in 2014-15)
- Despite highly successful experience, no further approvals





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Impact of polarized debates: Delay in approval of GM crops

- ☐ Bt brinjal moratorium, but being grown and consumed in Bangladesh
- ☐ GM mustard on hold despite urgent need to increase productivity
- □ Illegal cultivation of HT cotton in large acreage being reported

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