November 17 - 19, 2011, NIN, Hyderabad, India



### Slides - Thanks to:

• International Life Sciences Institute

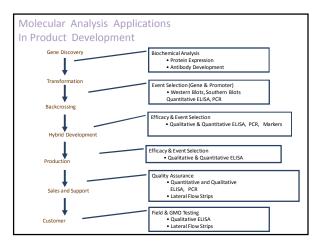
September 13-15 2011

- Crop Life International
- Indus try Colleagues
- Hope Hart Syngenta

ILSI

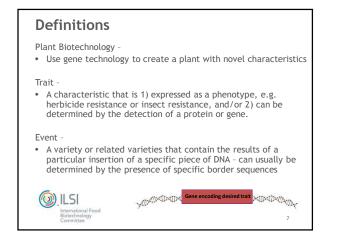
### Outline Who Develops Detection Methods and **Reference Materials?** 1. How to create a transgenic event DNA detection methods Ag Biotech Companies during product 2. How to select the best event development Protein-based methods 3. What happens after the best event is • Ag Biotech Companies during product development • Commercial kits developed by test kit suppliers chosen collaborating with Ag Biotech Companies Certified Reference Materials for commercial 4. How detection methods are used to help events (seed/grain) provided by Ag Biotech make these decision? companies • Testing Laboratories, and Governments 🔘 ILSI International Food Biotechnology Committee

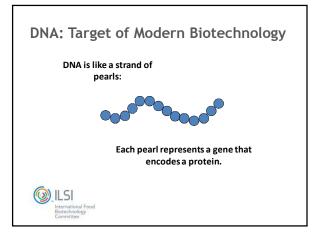
# Who Uses Detection Methods? Seed Companies Product discovery and development Seed breeding/ commercial seed quality control laboratory Commercial for Profit Testing Companies Grain Handlers Food Processors and Companies Government laboratory testing

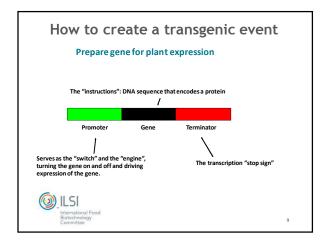


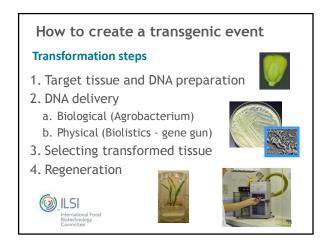
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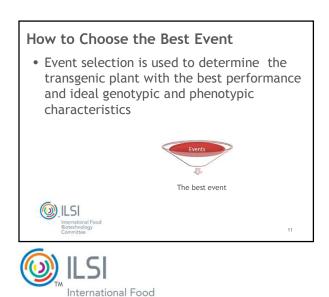
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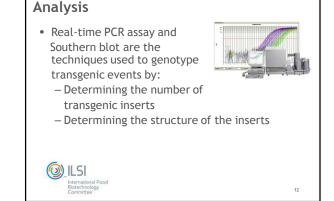






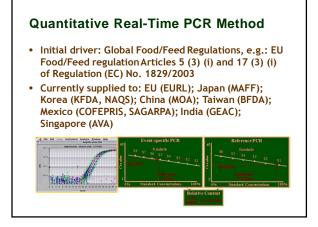


Biotechnology Committee

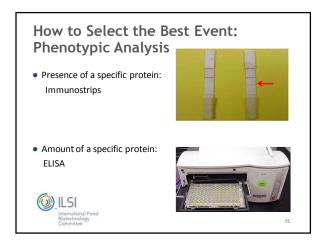


How to Select the Best Event: Genotypic

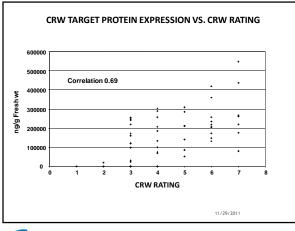
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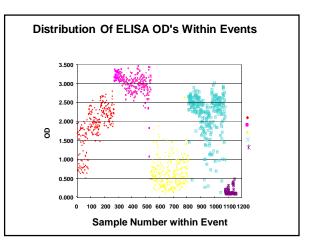




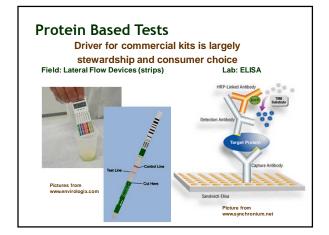
l			Evaluat itative	ion Using ELISA	g
CONSTRUCT	# SAMPLES ASSAYED	# ELISA POSITIVE SAMPLES(>50 ppm)		AVERAGE ELISA SIGNAL (ppm)	Bioassay Results: % EFF. EVENTS
а	115	82	(71.3%)	312	9.6%
b	123	116	(94.3%)	6374	86.2%
c	14	10	(71.4%)	5399	71.4%
			•Promote •Promote •Promote	r b	

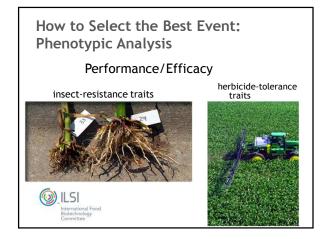


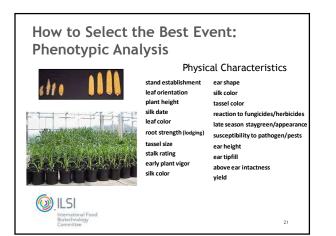


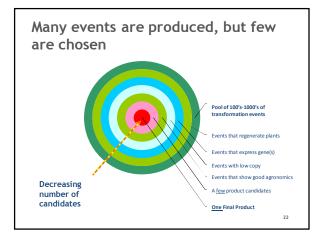


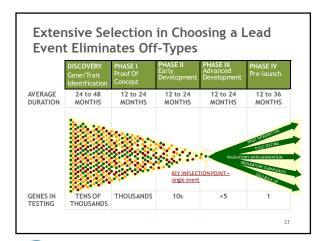
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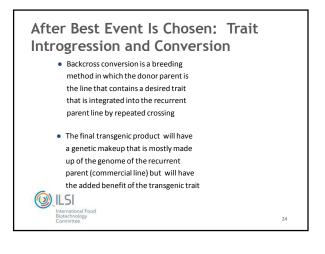












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