

**African Regional Training of Trainers
workshop on the Identification and
Documentation of LMOs**

**Item 6:
SAMPLING AND DETECTION
OF LMOs**

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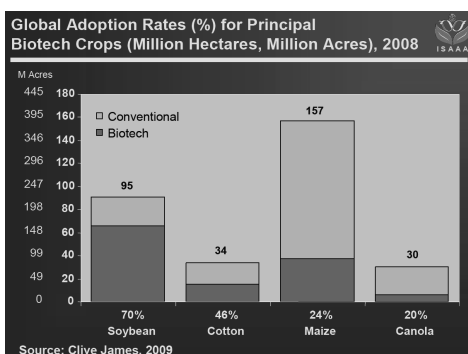
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**Introduction And Overview
TYPES OF LMO**

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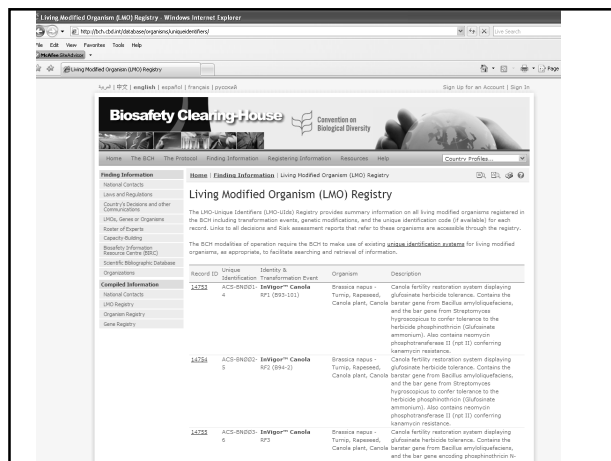
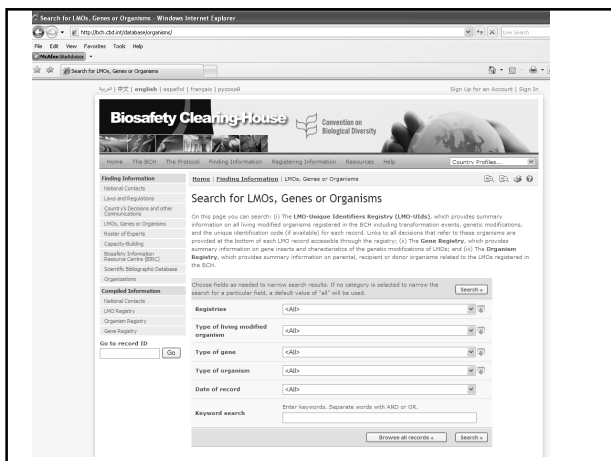
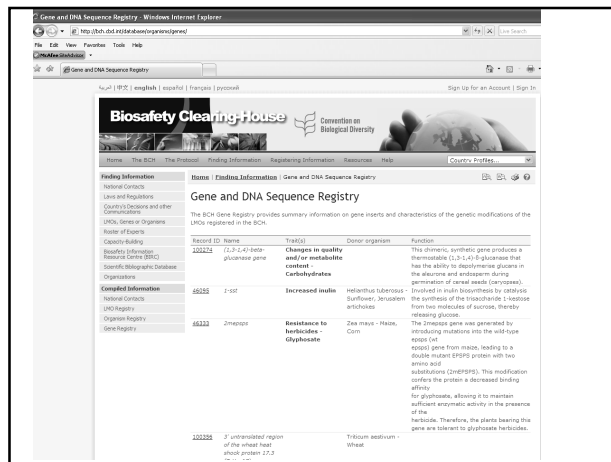
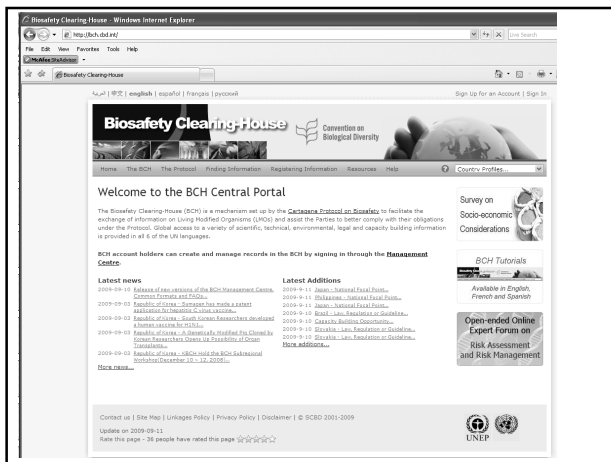


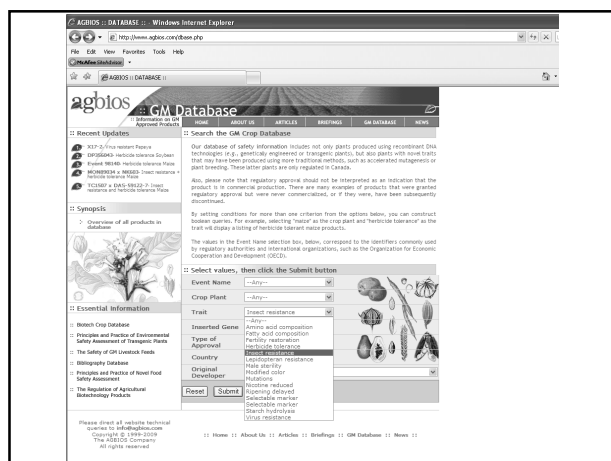
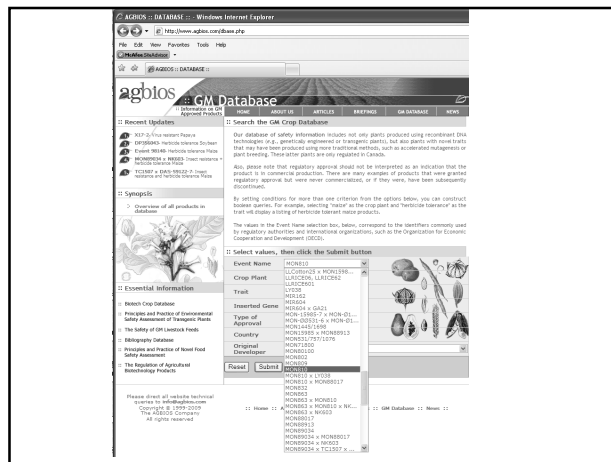
LMO Crop Types



Resources for types of LMO

- Documentation from country of Origin
 - Request a list of Commercialized LMOs
- BCH
 - Countries may not be updating information
- Internet Resources
 - Ag bios
 - Not Official Website for Countries







Illegal GMOs – Asynchronous Approval

Examples of approved maize for environmental release		
South Africa	EU	USA
BT11		BT11
MON810	MON810	MON810
NK603		NK603
		T14, T25
		TC1507
		MON863

Examples of GMO contamination

- **Liberty Link Rice 601 (HT)**
 - Not approved for release in USA
 - Last grown in field trials in 2001
 - Detected in exported food products in 2006
- **StarLink Maize (IR)**
 - Approved for animal feed only in the USA
 - Detected in exported food products in 2000
 - Product recall: Estimated US\$ 0.5 to 1 billion

GM Labelling Threshold Levels

Country	Labelling	% Threshold	Scheme
Africa			
South Africa	Voluntary and Mandatory	Na	Na
Asia			
China	Mandatory	0.0%	GM
Hong Kong	Voluntary	5.0%	GM
Indonesia	Mandatory	5.0%	GM
Japan	Mandatory	5.0%	GM
Philippines	Voluntary	Na	Na
Russia	Mandatory	0.9%	GM
South Korea	Mandatory	3.0%	GM
Taiwan	Mandatory	5.0%	GM
Thailand	Mandatory	5.0%	GM
Australasia			
Australia	Mandatory	1.0%	GM
New Zealand	Mandatory	1.0%	GM
Europe			
European Union ²	Mandatory	0.9%	GM
Norway	Mandatory	0.9%	GM
Switzerland	Mandatory	0.9%	GM
Middle East			
Saudi Arabia	Mandatory	1.0%	GM
North America			
Canada	Voluntary	5.0%	Non-GM or GM
United States	Voluntary	Na	Na
South America			
Argentina	Voluntary	Na	Na
Brazil	Mandatory	1.0%	GM
Chile	Mandatory	1.0%	GM