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ew events that may be ommercialized globally by 2015				
Trait	Maize	Soybean	Cotton	Rice
Herbicide tolerant	2	10	2	3
Insect resistant	5	3	13	8
Disease resistant				4
Crop composition	6	3		2
Abiotic stress	2			2
Source: EURL Re	port, 2009			









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New GM Events will be more diverse

- Insect and herbicide tolerance today = 100% of commercial products
- Crop Composition and abiotic stress is expected to be 20% of GM
 - events by 2015
- These Include
 oil & starch content events
 - oil & starch content events
 improved nitrogen use through new GM events
 - drought tolerance (yield under stress) through new GM events
- Asynchronous approvals are likely to increase
 Increased emergence of regionally approved events
 Zero Tolerance Policy becomes more of a problem
- Reasonable Low Level Presence thresholds will be important in order to avoid major trade disruptions

Global trade

- Seed is used to produce grain and other agricultural commodities which are traded to importing countries around the world.
- Different regulatory systems and regulatory approvals impact global trade
- Detection approaches and testing thresholds may vary from one country to another.
- Harmonised approaches to testing and regulations can help ensure a global trade system



Present and future

- Stewardship and Detection
- Keeping modified and proprietary seeds separate from non-regulated and conventional varieties requires active stewardship of material.
- With increasing numbers of GM traits and novel plant modifications, stewardship becomes more complex
- How do we ensure purity and high seed value to farmers ?
- How do we continue to help to facilitate trade ?



Future of GM testing

- New events originating from major biotechnology providers
- New events arising from other sources
- Combined events (Stacks)
- Need efficient screening, identification and quantification methods which
 - are easily adaptable to the ongoing developments and
 - which can be easily introduced to existing laboratory infrastructures and testing schemes

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