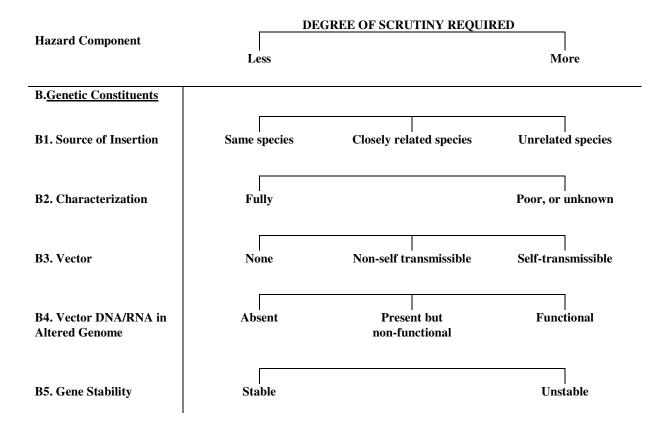
Appendix 2

## **DEGREE OF SCRUTINY REQUIRED Hazard Component** Less More A. Parents (Wild Type Organism ) A1. Domesticated No reproduction without Semi-domesticated, wild Self-propagating, wild or feral populations human aid known A2. Origin Indigenous Exotic A3. Pest/Pathogen **Relatives not Relatives pest/pathogen** Pest/pathogen itself pest/pathogen A4. Survival Under Short term Long term (e.g. spores, **Adverse Conditions** cycsts, seeds, dormancy A5. Distribution, Broad or unknown range Narrow range Habitat A6. Gene Exchange in None Frequent **Natural Population** A7. Host Range Unchanged Changed

## **RISK ASSESSMENT CRITERIA**



	DEGREE OF SCRUTINY REQUIRED			
Hazard Component	Less		More	
C. <u>Phenotype of GMOs</u>				
C1. Fitness	<b>Reduced</b> Irreversibly		Increased	
C2. Infectivity, Virulence Pathogenicity,or Toxicity	Reduced Irreversibly		Increased	
C3. Host Range	Unchanged		Shifted or broadened	
C4. Substrate Resource	Unchanged	Altered	Expanded	
C5. Environment Limit to Growth or Reproduction (habitat, microhabitat)	Narrow but not shifted		Broadened or shifted	
C6. Resistance to Disease, Parasitism, Agent of Control, Herbivory or Predation	Decreased	Unchanged	Increased	
C7. Similarity to Phenotypes Previously Used Safely	Identical	Similar	Dissimilar	
C8. Unintended Effects	No		Yes	
C9. Survival Under Adverse Conditions	Short term		Long term (e.g spores, cysts, seeds, dormancy )	
C10. Effect(s) on Host/Target Organisms	Unchanged		Changed	

Hazard Component	DEGREE OF SCRUTINY REQUIRED		
mazaru Component	Less	More	
D. <u>Attributes of the</u> <u>Environment</u>			
D1. Positive Selection for GMO	Absent	Present	
D2. Dispersal Possible to Wild, Weedy, or Feral Relatives/Gene Transfer to Other Organisms	No	Yes	
D3. Vectors or Agents of Dissemination or Dispersal (mites,insects, rodents, birds,humans, machines, wind, water etc.	Absent or Controllable	Present or uncontrollabl	
D4. Effects on Ecosystem	No	Marginal Yes	
D5. Range of Environments For Testing or Use: Potential Geographical Range	Very restricted	Broad, Widespread	
D6. Simulation of Test Conditions	Can simulate Realistically	Very difficult to simulate realistically	
D7. Effectiveness of Monitoring and Mitigation Plans	Proven Effective	Untested or Unlikely to be effective	
D8. Effect on Non-Target Organism	Known	Unknown	

Hazard Component	DEGREE OF SCRUTINY REQUIRED		
	Less	More	
E. Food Safety			
E1. Substantial Equivalence	Yes	No	
E2. Toxicity and Allergenicity	No	Yes	
E3. Concentration of GMO/its Products in Food Chain	No	Yes	
E4. Quantity of GMO/its Products to be Consumed	Low	High	