

What about GMO's

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1.Philosophical and Ethical Issues

Extents and Limits of the Public Domain-all of life, the biosphere, the solar system and universe.

Sovereignty of Living Creatures (other than humans)

A. Ownership of Living Creatures

1. PVP and the roses.
2. Chakrabarty Supreme Court Decision making acceptable the patenting of cells and microbes. Leads to patents on mammals; mice, sheep, bovids, chimaeric organisms and us.

B. Ownership of Molecules

1. Patents on Synthetic Chemical Molecules or Patents on the Process for the production of novel molecules. Extending the patents to nucleic acid sequences, genes...
2. Converting from vertical to horizontal generational evolution, convergence to a cusp in human awareness.

2.Technological Issues

Transgenics-a radical newness in moving genes leads to GMO's.

Current transgenics is imprecise, introduces unwanted antibiotic resistance and other genes, can only deal with traits having a few genes.

3.Ecological Issues

Toxicity-leading to reduction and extinction of various classes and kinds of creatures.

Eliminating unseen members of the bionet of life and hence making more damage to the interactive web of organisms that gives the biosphere sentient properties.

Genetic Pollution-leading to the introduction of trans-genes into many kinds and classes of organisms, mostly species closely kin to food and fiber crops and their bionet associates.

Unenviaged consequences arising from new combinations of genes, promoters, reading frame signals, DNA packing info.

4.Nutritional and Growth Issues

Potential new allergies, toxicities from transgene combinations, reduction in nutrition values of GMO foods.

Increasing use of agro-chem poisons continues to deteriorate the biosphere; toxifying the water, soil and air. New transgenic crops are still being grown in biocide intensive regimes. There is no replacement for organic bio-agriculture.

5.Social and Political Issues

Monocultivism, the elimination of diversity, reduction in the broad base of staple seeds that humanity has used to grow from small families and communities of people to a world wide society are present real dangers to all of us. Gardening is a civil right. Access to the public domain of living creatures is an integral part of the democracy of life. Monopolization and tyranny oppose the access, opportunity and equality of all creatures in the greater vision that includes all that Gaia does and is.

The WTO promotes ecological irresponsibility by putting trade before people's livelihoods and the health and wellbeing of the environment. It also promotes industrial 'feed-lot' mentality agriculture. Sustainability and growing good-health requires local and regional bio-organic agriculture.

See Vandana Shiva Stolen Harvest 2000 South End Press. 7 Brookline Street #1 Cambridge
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