



Monitoring and surveillance of genetically modified higher plants

By Gösta Kjellson

Birkhäuser Jul 2001, 2001. Taschenbuch. Book Condition: Neu. 25.4x17.8x cm. This item is printed on demand - Print on Demand Neuware - There is an urgent need for guidelines for monitoring of genetically modified higher plants, GMHP. Biotech crops are now cultivated in large scale in North America and elsewhere. In Europe, new genetically modified (GM) products will probably be placed on the market soon and made available of any negative effects for cultivation in the field. Monitoring and surveillance programs for detection of effects to the environment must be designed and ready when these crops are released. This also corresponds to the current intentions made by the European Commission to include monitoring in current biotechnology regulation. Monitoring of changes in biological systems is different from other types of environmental monitoring, such as monitoring fate of chemical pollutants, by focusing primarily on organism survival and organism interactions instead of physical and chemical parameters. The difficulties involved in monitoring biological systems are great, due to the complex interactions between organisms and the variability in responses. Problems concerning spatial and temporal parameter variation increase the difficulties, but may be remedied somewhat by the use of 'baselines'. These and many other questions...



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