



SCENARIO CONSTRUCTION FOR THE TRANSGENIC AGRICULTURE

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Abstract

Prospective scenarios were elaborated to assist the environmental impact assessment of transgenic crops, using techniques derived from **SWOT** analysis and the **DPSIR** model, in evaluating environmental indicators and the relationship between them. The transgenic technology advantages and disadvantages were classified as pressure indicators and the benefits and risks of its use as impact indicators. Control and management actions (response indicators) were identified in the search for the integration of aspects related to the biotechnology, biodiversity, biosafety and intellectual property. The application of the proposed methodology resulted in indicators favorable to the adoption of transgenic agriculture and, also, demonstrated that the **DPSIR** model is, in fact, an instrument for integrated environmental assessment.

Keywords: agriculture, scenarios, environmental management, impact, transgenic

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