

SCHEDULE 2

INFORMATION TO BE INCLUDED IN APPLICATIONS FOR CONSENT TO RELEASE OR MARKET ORGANISMS OTHER THAN GENETICALLY MODIFIED HIGHER PLANTS

PART IV

INFORMATION RELATING TO THE INTERACTIONS BETWEEN THE ORGANISMS AND THE ENVIRONMENT

Characteristics affecting survival, multiplication and dissemination

54. The biological features which affect survival, multiplication and dispersal.
55. The known or predicted environmental conditions which may affect survival, multiplication and dissemination, including wind, water, soil, temperature and pH.
56. The sensitivity to specific agents.

Interactions with the environment

57. The predicted habitat of the organisms.
58. The studies on the behaviour and characteristics of the organisms and their ecological impact carried out in simulated natural environments, such as microcosms, growth rooms and greenhouses.
59. The capability of post-release transfer of genetic material –
 - (a) from the genetically modified organisms into organisms in affected ecosystems,
 - (b) from indigenous organisms to the genetically modified organisms.
60. The likelihood of post-release selection leading to the expression of unexpected or undesirable traits in the genetically modified organisms.
61. The measures employed to ensure and to verify genetic stability, the description of genetic traits which may prevent or minimise dispersal of genetic material, and methods to verify genetic stability.
62. The routes of biological dispersal, known or potential modes of interaction with the disseminating agent, including inhalation, ingestion, surface contact and burrowing.
63. The description of ecosystems to which the organisms could be disseminated.
64. The potential for excessive population increase of the organisms in the environment.
65. The competitive advantage of the organisms in relation to the unmodified recipient or parental organisms.
66. The identification and description of the target organisms if applicable.
67. The anticipated mechanism and result of interaction between the released organisms and the target organisms, if applicable.
68. The identification and description of non-target organisms which may be adversely affected by the release of the genetically modified organisms, and the anticipated mechanisms of any identified adverse interaction.
69. The likelihood of post release shifts in biological interactions or in the host range.

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70. The known or predicted interactions with non-target organisms in the environment, including competitors, preys, hosts, symbionts, predators, parasites and pathogens.
71. The known or predicted involvement of the organisms in biogeochemical processes.
72. Any other potentially significant interactions of the organisms with the environment.