



List of recommendations

2	Benefits and risks of gene technology in agriculture	7
	Recommendation 1	29
	The committee recommends the continued use of gene technology, but only with stringent regulation, constant and cautious monitoring, and public reporting.	29
	Recommendation 2	29
	The committee recommends that the Commonwealth government increase funding for research into the potential benefits and risks (environmental, health, social, economic and ethical) presented by genetically modified organisms.	29
	Recommendation 3	30
	The committee recommends that the Commonwealth government ensure that funding for research into improving agricultural productivity and sustainability is allocated equitably across all areas of research.	30
3	Understanding genetically modified organisms.....	31
	Recommendation 4	38
	The committee recommends that all public education campaigns funded by the Commonwealth government recognise and address the environmental, economic, cultural, ethical and social concerns of the consumer.	38

Recommendation 5	42
The committee recommends that government agencies, especially the Interim Office of the Gene Technology Regulator and the Australia New Zealand Food Authority, review the design of their internet sites to ensure they are user friendly.	42
Sites should lay out clearly what they contain, be easily navigable, and present readily understood information which is updated regularly.	42
Recommendation 6	43
The committee recommends that Biotechnology Australia, in its role as the coordinator of information about gene technology provided by government departments, monitor the efficiency and effectiveness with which material is presented.	43
Biotechnology Australia should regularly publicise all information from the Gene Technology Regulator, including information about the regulator's role and function.	43
Recommendation 7	46
The committee recommends that Biotechnology Australia be made a statutory authority.	46
Recommendation 8	46
The committee recommends that the Commonwealth government, through Biotechnology Australia:.....	46
■ monitor understanding and awareness of biotechnology; and	46
■ assess the effectiveness of its current public awareness campaign and the need for additional information.....	46
Recommendation 9	47
The committee recommends that information provided by Commonwealth agencies about gene technology:	47
■ detail the independence, transparency and accountability of the regulatory processes;	47
■ give equal prominence to information about the risks and benefits; and	47
■ detail how the regulation of gene technology is able to avoid or minimise risk.	47

5	Research, development and commercialisation	59
	Recommendation 10	63
	The committee recommends that Agriculture, Fisheries and Forestry Australia develop a strategy for Commonwealth funding to facilitate and encourage the innovative use of gene technology in the development of commercially viable, emerging industries in agriculture, fisheries and forestry.	63
	This strategy should be drawn up in consultation with state and territory agriculture departments and the private sector.	63
	Recommendation 11	64
	The committee recommends that the Commonwealth government:	64
	■ continue to contribute funding for the basic gene technology research required for applications to agriculture, fisheries and forestry; and	64
	■ seek more involvement, possibly through partnerships, of private sector involvement in this research.	64
	Recommendation 12	67
	The committee recommends that the Commonwealth government review the current arrangements in place regarding gene technology research and ownership of intellectual property to ensure maximum commercial benefit for Australian industry.	67
	Recommendation 13	67
	The committee recommends that, in conjunction with the review proposed in Recommendation 12:	67
	■ each research and development corporation review its practices in relation to commercialisation and ownership of intellectual property to maximise benefits to Australian industry; and	67
	■ the committee of the chairs and managing directors of the rural research and development corporations, in conjunction with Agriculture, Fisheries and Forestry Australia and industry, take a lead role in assessing and disseminating best practice arrangements.	67

Recommendation 14	69
The committee recommends that the Commonwealth government, in conjunction with state and territory governments and the private sector:	69
■ review the efficiency and effectiveness of plant breeding programs in Australia;.....	69
■ identify ways of improving them; and.....	69
■ promote their adoption, particularly where Commonwealth funding is provided.	69
Recommendation 15	69
The committee recommends that the Commonwealth government, in conjunction with state and territory governments and the private sector, consider the benefits of amalgamating some of the existing plant breeding programs.	69
Recommendation 16	70
The committee recommends that the Commonwealth government, together with state and territory governments and industry, develop a policy for maintaining Australia's germplasm collections and continuing to make them accessible.	70
Recommendation 17	72
The committee recommends that the Commonwealth government continue to contribute to the operation of the international germplasm centres.	72
Recommendation 18	72
The committee recommends that the Commonwealth government:	72
■ play a major role in international negotiations to harmonise the International Undertaking on Plant Genetic Resources with the Convention on Biological Diversity; and	72
■ take a position that balances the interests of those who wish to import genetic resources from overseas with maximising Australia's benefit from its native genetic resources.	72

Recommendation 19	81
The committee recommends that the Commonwealth government:	81
■ monitor the impact of the new business tax arrangements on the level of investment in biotechnology; and	81
■ implement further changes to taxation arrangements if further stimulus to invest is needed.	81
Recommendation 20	84
The committee recommends that, when reviewing the impact of the new business tax arrangements on the level of investment in biotechnology, the Commonwealth government also review:.....	84
■ the contribution of grant programs and the 125 per cent tax concession for research and development; and.....	84
■ the need for more support, through grants and taxation measures, for investment in the early stages of commercialisation.....	84
Recommendation 21	84
The committee recommends that the Commonwealth government fund a specific incubator program to assist the application of biotechnology to agriculture.	84
Recommendation 22	88
The committee recommends that the Commonwealth government continue to fund programs for increasing the numbers of people and the levels of skills in:	88
■ biotechnology research; and	88
■ the business and management issues involved in the commercial use of the research.....	88
Recommendation 23	94
The committee recommends that Biotechnology Australia, in conjunction with other agencies, develop and deliver educational programs and materials targeted at small producers and breeders.	94
These programs and materials should cover:	94
■ the business and intellectual property issues relating to the breeding of agricultural genetically modified organisms; and.....	94
■ the practical aspects of using genetically modified organisms in agriculture.....	94

6 Intellectual property	95
Recommendation 24	106
The committee recommends that IP Australia:.....	106
■ avoid issuing broad patents;	106
■ raise the thresholds for granting patents so that they are equivalent to the highest set by overseas countries; and.....	106
■ screen patent applications more rigorously.....	106
Recommendation 25	107
The committee recommends that the <i>Patent Act 1990</i> be amended:	107
■ to give effect to the changes proposed in Recommendation 24; and	107
■ to clarify that the long term interests of end users are as important as the rights of intellectual property owners to benefit from their investment in that intellectual property.....	107
Recommendation 26	107
The committee recommends that IP Australia develop and implement mechanisms for sharing skills with other patent offices.	107
Recommendation 27	111
The committee recommends that research institutions that receive Commonwealth funding and do not at present acknowledge and reward their researchers for innovative output that leads to commercial success, be required to do so as a condition of receiving public funding.	111
Recommendation 28	115
The committee recommends that, in international negotiations, the Commonwealth government support the strengthening of the provisions of the Agreement on Trade Related Aspects of Intellectual Property and assist in establishing stronger intellectual property systems in developing countries in Asia.....	115
Recommendation 29	122
The committee recommends that the effectiveness of the initiatives to upgrade the level and volume of intellectual property skills in Australia be monitored, reviewed, and improved when gaps in required skills are identified.....	122

7 Regulation	123
Recommendation 30	139
The committee recommends that the Office of the Gene Technology Regulator report to the Parliament at least quarterly for the first three years of its existence.....	139
Recommendation 31	145
The committee recommends that, if and when a revised standard for labelling genetically modified foods is instituted, the Australia New Zealand Food Authority evaluate:	145
■ the use made by the public of label information; and	145
■ the public's views on the usefulness of the information provided.....	145
Recommendation 32	148
The committee recommends that the Australian Quarantine and Inspection Service certify both non genetically modified and genetically modified produce for export.....	148
Recommendation 33	150
The committee recommends that the Commonwealth government, together with industry representatives, play an active part in negotiations to implement the Biosafety Protocol in such a way that:.....	150
■ apparent contradictions between the protocol and World Trade Organization arrangements are clarified and addressed; and	150
■ Australia's interests in freely trading genetically modified organisms are maximised, without jeopardising public safety.	150
Recommendation 34	153
The committee recommends that the Genetic Manipulation Advisory Committee and its successor, the Gene Technology Technical Advisory Committee, continue to take a cautious approach to approving the use of genetically modified agricultural organisms.....	153

Recommendation 35	157
The committee recommends that the Commonwealth government:	157
■ ensure that there is sufficient in house capacity in the Gene Technology Technical Advisory Committee to provide timely and effective risk assessment of genetically modified organisms;.....	157
■ give it the authority to coopt independent expertise when required; and.....	157
■ make these assessments public.....	157
Recommendation 36	158
The committee recommends that all novel crops, whether bred by conventional means or by gene technology, should be assessed and regulated for their impact on the environment and human and animal health.	158
Recommendation 37	160
The committee recommends that the Commonwealth government ensure that:	160
■ the independent status of the Gene Technology Regulator is clearly prescribed in the new gene technology legislation;	160
■ sufficient funding is provided to enable him/her to fully discharge his/her duties; and.....	160
■ the Gene Technology Regulator is publicly accountable.....	160