

# Index

## A

### Acts

Agricultural Compounds and  
Veterinary Medicines Act 1997  
54, 58

Animal Products Act 1999, 62

Animal Remedies Act 1967 58

Animal Welfare Act 1999, 63, 68

Australia New Zealand Food Authority

Act 1991 (ANZFA Act) 40, 61

Biosecurity Act 1993 53–56, 68

Commissions of Inquiry Act 1908 105

Conservation Act 1987 64

Constitution Act 1986 44

Consumer Guarantees Act 1993 64

Crown Research Institutes Act 1992  
68

Electoral Act 1993 44

Environment Act 1986, 57

Fair Trading Act 1986 64

Fertilisers Act 1960 58

Fertilisers Act 1982 58

Fiscal Responsibility Act 1994 8

Food Act 1981 53, 58–62

Foundation for Research, Science, and  
Technology Act 1990 68

Hazardous Substances and New  
Organisms Act (HSNO Act) 1996

26, 53–56, 58–59, 64–68, 76

Health Act 1956 54, 62–63

Health and Disability Commissioner  
Act 1994 63

Health and Disability Services Act  
1993 62

Health Research Council Act 1990 65

Judicature Act 1908 44

Medicines Act 1981 53, 58–61

National Parks Act 1980 64

New Zealand Bill of Rights Act 1990  
44

New Zealand Public Health and  
Disability Act 2000, 62–63

Official Information Act 1982 44

Ombudsmen Act 1975 44

Patents Act 1953 64

Pesticides Act 1979 58

Plant Variety Rights Act 1987 64

Public Finance Act 1989 44

Reserves Act 1977 64

Resource Management Act 1991 56

State Sector Act 1988 44

Stock Foods Act 1946 58

Wild Animal Control Act 1977 64

Wildlife Act 1953 64

adrenal hyperplasia. See disease

adrenoleukodystrophy. See disease

Agreement between the Government of  
New Zealand and the Government of  
Australia, 40–41, 60

Agreement on Technical Barriers to Trade  
(TBT Agreement). See international  
agreements

Agreement on the Application of  
Sanitary and Phytosanitary  
Measures. See international  
agreements

Agreement on Trade Related Aspects of  
Intellectual Property Rights. See  
international agreements

Agricultural Compounds and Veterinary  
Medicines Act 1997. See Acts

allergens 112

Animal Products Act 1999. See Acts

Animal Remedies Act 1967. See Acts

Animal Remedies and Pesticides Boards  
58

Animal Welfare Act 1999. See Acts

animals

Aujeszkys Disease 88

cattle 10, 86–90

deer 10, 14

feed 10, 13, 26, 75, 84, 97

fish 15–17

goats 10

health 34, 62, 85, 87, 96

Johne's disease 88

mice 84–85, 88–90, 93–96  
 muscling 87  
 patenting 36  
 pigs 11, 13, 88  
 possums 85–86  
 poultry 11–13, 88  
 remedies 35, 58  
 salmon 88  
 selection 87  
 sheep, 10–11, 16, 86–88, 95  
 stoats 86  
 traditional breeding 86  
 treatments 58, 63, 88  
 vaccines 88–89  
 welfare 63  
 Animals Protection (Codes of Ethical  
 Conduct) Regulation 1987 63  
 antibiotic-resistance markers  
 81, 87, 90–91  
 antibodies 88–90, 92–93, 104  
 Asia-Pacific Economic Cooperation  
 (APEC). See international  
 organisations  
 Asian Development Fund 38  
 Assisted Human Reproduction Bill 68  
 asthma. See disease  
 Australia  
 agreements with New Zealand 22–  
 23, 39–40, 60  
 export market 14  
 health ministers 40, 59  
 imports from 17  
 National Food Authority 40  
 OECD membership 37  
 regulatory framework 69  
 relationship with 39  
 statute 61  
 Therapeutic Goods Administration  
 (TGA) 59  
 trade with 39  
 Australia New Zealand Closer Economic  
 Relations Trade Agreement  
 (ANZCERTA) 22, 39  
 Australia New Zealand Food Authority  
 (ANZFA), 40–41, 55, 61–62, 124  
 Australia New Zealand Food Authority  
 Act 1991 (ANZFA Act). See Acts  
 Australia New Zealand Food Standards  
 Code 40, 60  
 Australia New Zealand Food Standards

Council (ANZFSC), 40, 61–62  
 Australia New Zealand Joint Food  
 Standards Treaty 39–41  
 Australian Food Standard Code 40, 60  
 autoimmune deficiencies. See disease

## B

bacteria  
 Bacillus thuringiensis (Bt) 87  
 carbohydrates 91  
 cells 80–81, 96  
 Escherichia coli 81, 84–85, 87–88, 90  
 expressing proteins 86  
 gene libraries 89  
 of grass grub 90  
 plasmids 80–81, 96  
 strain 81  
 Streptococcus pyogenes 95  
 Streptococcus salivarius 95  
 wasp gut 85  
 bacteriophage 80–81  
 Becker muscular dystrophy. See disease  
 bees and bee products  
 bee products, 12  
 bees, 12, 97  
 honey 12  
 Belgium  
 markets 11  
 biodiversity 56, 75, 159  
 biometrics 97  
 bioremediation 89–90  
 Biosecurity Act 1993. See Acts  
 biotechnology  
 companies 92  
 issues 50  
 modern 26, 98–99  
 programmes 99  
 understanding of 38  
 biotinidase deficiency. See disease  
 BLIS 95, 96, 99

## C

Cabinet 44–45, 50, 104  
 Canada  
 aid 37  
 markets 11  
 regulatory framework 69  
 Canavan. See disease  
 cancer. See disease  
 carotenoids 92

- Cartagena Protocol on Biosafety
  - (Biosafety Protocol. See international agreements)
- casein and caseinates, 11–12, 18, 86
- Central America
  - markets 12
- China
  - imports from 17
  - markets 11
  - students from 19
- chronic granulomatous. See disease
- clones, 81–82
- cloning 79, 81–82, 86–87, 104, 160
  - bacteria 81
  - DNA 81–82, 85–86
  - genes 83, 89–90, 96
- Closer Economic Relations (CER). See international agreements
- Codex Alimentarius Commission, 28–30, 35, 61
  - Ad Hoc Intergovernmental Task Force on Foods Derived from Biotechnology 29
  - Codex Committee for Meat Hygiene 29
  - Codex Committee for Milk and Milk Products 29
  - Codex Committee on Food Labelling (CCFL) 29–30
  - Codex Committee on General Principles (CCGP) 29
    - standards, 28–30, 35
  - colony-stimulating factors 95
- Commission on Human Rights 31
- Commission on Phytosanitary Measures 27
- Commissions of Inquiry Act 1908. See Acts
- competition
  - Youth Forum essay 149–152
  - fair 39
- confidentiality 115, 142
- consensus card sort 111–113, 130, 133, 136, 139
- conservation
  - 25, 28, 50, 53, 64, 75, 85
- Conservation Act 1987. See Acts
- constitutional
  - conventions 43
  - principles 45
- consumer
  - attitude 12
  - choice 110, 112, 133, 152
  - information 64
  - laws 53
  - protection 64
- Consumer Guarantees Act 1993. See Acts
- Convention on Biological Diversity. See international agreements
- Convention on International Trade in Endangered Species. See international agreements
- crops
  - apples 13, 89–90
  - asparagus 91
  - barley 13, 90
  - berryfruit 13
  - brassica varieties 91
  - broccoli 91
  - canola 61, 90, 97
  - corn (maize) 13, 61, 90, 97
  - cotton 61, 97
  - kiwifruit, 13–14, 89–90
  - lentils 91
  - onion 13, 91
  - ornamental species 13, 91–92
  - peas 91
  - pine 14, 89
  - pipfruit 13–14
  - potato 90, 97
  - seed 13
  - senescence, 91–92
  - soybean 61, 97
  - stonefruit 13
  - sugarbeet 90, 97
  - tamarillos 91
  - triticale 91
  - wheat 13, 90
  - white clover 89–91
- Crown Research Institutes
  - 18, 68, 84, 119
- cultivars 92
- cultural
  - beliefs 122, 127
  - concerns 144
  - heritage 4, 21
  - issues
    - 41, 110, 112, 133, 144, 150, 152
  - property 31
  - rights 32

traditions 4, 44  
 values 21, 31, 44  
 cystic fibrosis. See disease  
 cytokines 95  
 Czech Republic  
   OECD membership 37

## D

Department of Conservation  
   50, 55, 64, 104  
 Department of Internal Affairs 51, 103–106  
 Department of the Prime Minister  
   50, 104  
 diabetes. See disease  
 Director-General of Agriculture and Forestry 58  
 Director-General of Health 55, 59  
 disease  
   adrenal hyperplasia 93  
   adrenoleukodystrophy 94  
   asthma 92, 94–96  
   autoimmune deficiencies 92  
   Becker muscular dystrophy 92  
   biotinidase deficiency 93  
   Canavan 94  
   cancer 92–95  
   carrier detection 93  
   chronic granulomatous 94  
   cystic fibrosis 87, 93–94  
   diabetes 93  
   diagnosis 85, 92, 93  
   Duchenne muscular dystrophy 92  
   emphysema 94  
   Fragile X syndrome 92  
   galactosemia 93  
   Gaucher 94  
   haemophilia 92–93  
   heart 92, 94  
   human 88, 94  
   Huntingtons 92, 95  
   hypothyroidism 93  
   kidney 96  
   malignant hyperthermia 96  
   maple syrup urine 93  
   metabolic 93, 94  
   modelling 93, 94–96, 97  
   multiple endocrine neoplasia 92  
   multiple sclerosis 86, 92, 94  
   myotonic dystrophy 92

neurodegenerative 95  
 non-Hodgkin's lymphoma 94  
 phenylketonuria (PKU) 93–94  
 predictive testing 84, 93  
 predisposition testing 87, 93  
 spinocerebellar ataxias 92  
 stomach carcinoma 95  
 therapeutic products 59  
 therapies 36, 60, 93  
 treatment 86, 92–93  
 tumours 95  
 understanding 85, 93, 94–96  
 viral 92  
 District Health Boards (DHBs) 63  
 DNA 78, 80–83, 85–86, 88, 96  
   construct 87  
   denatured 82  
   fragmentation  
     fragments, 80–82  
     hybridisation 93  
   injection 79, 83, 83–85  
   insertion 80, 83  
   libraries 79, 81–85  
   plasmid 80  
   possum 86  
   profiling 86  
   recombinant 80, 88, 96  
   recombination 80, 80–85  
   sequence 78, 81–82  
   sequencing 86  
   vector 80  
   white clover 89  
 Draft Declaration on the Rights of Indigenous Peoples. See international agreements  
 Duchenne muscular dystrophy. See disease

## E

East Asia  
   NZODA support 22  
 ecological  
   damage 76  
   economics 47  
   margins of error 76  
 ecosystem 97  
 health 25  
   management 57  
   value 57  
 education

- national strategies 64
- needs 18
- programmes 4, 5, 58
- emphysema. See disease
- endangered species 85
- environment
  - coastal 56
  - degradation 21, 28
  - global 22, 57
  - impact on 25, 56–58, 96
  - polluted 58
  - protection of 22, 31, 53
  - quality 57
  - sustainable 17, 47
- Environment Act 1986. See Acts
- environmental
  - accreditation scheme 17
  - assessment 57
  - conditions 89
  - issues 6, 41, 50, 57–58, 106, 109–110, 112, 133, 152
  - law, international 26
  - management 48, 56–58
  - perspectives 127
  - problems 85
  - risk 144, 150
  - stresses 89
  - wellbeing 25
- Environmental Risk Management Authority (ERMA) 50, 54–55, 59, 104, 124
- ethical
  - beliefs 127
  - concerns 144
  - conduct 63
  - issues 106, 109–110, 112, 133, 144, 150, 152
  - problems 30
  - views 122
- Europe
  - Asian Development Bank 38
  - environmental movement 70
  - institutions 29
  - OECD membership 37
  - reconstruction 37
  - settlers 5
- European Community 28
- European Union (EU) 25, 77
  - markets 11, 12
- evidence-based risk analysis 75–77

**F**

- Fair Trading Act 1986. See Acts
- fibre products 10
- field trials 50–51, 54–55, 85, 90–91, 104
- Finland
  - OECD membership 37
- flavonoids 92
- food
  - approved 61
  - composition 41, 55, 61
  - exports 17
  - global control 28–30, 34
  - GM-free 49
  - imports 17, 26, 84–85, 97
  - labelling 29–30, 41, 50, 60, 112
  - laws 42, 60, 62
  - production 13, 41, 61, 85
  - products 13, 17, 75, 97, 154
  - retailers 60
  - safety 29, 35, 41, 61–62
  - safety risk 30, 112, 150
  - security 28
  - shelf-life 92
  - standards, 28–29, 35, 39–41, 55, 60–61
  - testing 41
  - toxicologists 61
- Food and Agriculture Organization. See international organisations
- Food Standards System 40
- Foundation for Research, Science and Technology (FRST) 68
- Fragile X syndrome. See disease
- France
  - markets 11
- fructans 91
- funding
  - agencies 97
  - for product development 99
  - for research 97
  - of health services 63

**G**

- galactosemia. See disease
- Gaucher. See disease
- General Agreement on Tariffs and Trade (GATT). See international agreements

## genes

- antibiotic marker 87, 90–91
- carbohydrate synthesis control 91–92
- cascades 92
- cattle 86
- cry1Ba1 91
- deletion 88
- disruption 78, 86, 90, 95
- expression 78, 80, 83, 88–92, 95, 97
- fragment 81, 86
- function 82–84, 89–90, 93, 95
- growth factor 87
- herbicide resistance 90
- homologous recombination 83–84
- human 94
- human Alpha 1 Antitrypsin 87
- human myelin 86
- identification 81, 84, 89–93, 96–97
- immune system 94
- inactivation 83, 87, 96
- insecticidal 90
- insertion 83, 94
- isolation 81, 90–93
- knockout technology 83–84
- knockout mice 94
- knockout sheep 87
- libraries 81, 89
- lipoprotein assembly 94
- location 82, 92
- mapping 95
- marker 81–86, 89–90, 96
- mouse promoter 87
- myostatin 87
- "over-expression" 83
- product 81, 90
- regulatory 95
- sequences 80, 91
- sequencing 79, 82, 89, 90
- STAT5b 94
- stress-related 92
- targeting techniques 83
- terminator 92
- therapy 59, 94, 95
- toxin 85
- transfer 91, 92
- transformed 92
- translation 80
- wood quality 90
- worm 86

## genetic diversity 85

- Genetic Technology Advisory Committee (GTAC) 59
- genome 31, 80, 81
  - cattle 86
  - cloned 82
  - human 30–31, 97
  - kakapo 85
  - mitochondrial 85
  - plants 90–91
- genomics 89, 97
  - functional 90
  - programmes 89
- Germany
  - imports from 17
  - markets 11
  - visitors from 17
- Green Globe 21 17
- growth factors 87

**H**

- haemophilia. See disease

- Hazardous Substances and New Organisms Act (HSNO Act) 1996. See Acts

## health

- and safety 41, 53
- care 59
- human 33–35, 55, 62, 75, 85, 106, 109–110, 112, 133, 152
- issues 33, 62
- programmes 33
- promotion 33, 92
- public 33–34, 41, 48, 55, 62
- research 65
- risks 112
- sector 33
- service providers 62–63
- services 60, 62–63
- standard of 32
- standards 33, 54
- support services 62
- Health Act 1956. See Acts
- Health and Disability Commissioner 63
- Health and Disability Commissioner (Consumers Rights) Regulations 63
- Health and Disability Services Act 1993. See Acts
- Health Funding Authority (HFA) 63

- Health Research Council (HRC) 59, 65
- heart disease. See disease
- horizontal gene transfer 96
- Hospital and Health Services (HHSs) 63
- House of Representatives 45
- HSNO Act. See Acts
- hui, 107–109, 114, 127, 129, 140–141, 145, 187–189
- human
  - infertility 88
- Human Assisted Reproductive Technology Bill, 69
- human cell use 68
- Hungary
  - OECD membership 37
- Huntingtons. See disease
- hypothyroidism. See disease
- I**
- immuno-modulatory proteins 95
- India
  - markets 11
- indigenous
  - flora and fauna 6, 85, 88–89
  - knowledge 25
  - lands 31
  - peoples, 31–32
  - property rights 16
- industries
  - dairy 9, 11
  - domestic 7
  - education 19
  - export 14
  - farming 10
  - fisheries 9, 15–17
  - forestry 9, 14–15
  - honey and bee products 12
  - horticultural 9–10, 12–13
  - livestock 12
  - meat 9, 123
  - organics 123
  - pork 88
  - poultry 12
  - software 19
  - tourism 9, 16–17
  - wood processing 15
  - wool 9
- information
  - confidential 115
  - fiscal 8
  - packs 109–110, 112, 136, 147, 150
  - technology 18
- 'Information Age' 18
- Inland Revenue Department 19
- insects 85–88, 90–91
  - beneficial 97
  - blowflies 88
  - fireflies 88
  - grass grub 91
  - pathogens 90
  - porina moth larvae 91
  - protected 61
  - wasps 85
- intellectual property
  - issues 27, 112
  - laws 53, 64, 125
  - protection 27, 35, 64
  - regulation 36
  - rights 35–36
  - rights of indigenous peoples 31
  - standards 28
- international agreements
  - advance informed agreement (AIA) 26
  - Agreement on Technical Barriers to Trade (TBT Agreement) 29–30, 34–35
  - Agreement on the Application of Sanitary and Phytosanitary Measures (SPS Agreement) 27, 29, 34–35, 77
  - Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS Agreement) 34–36
  - Berne Convention for the Protection of Literary and Artistic Works 28
  - Cartagena Protocol on Biosafety (Biosafety Protocol) 23, 26, 30, 75, 77
  - Closer Economic Relations (CER) 39
  - Convention on Biological Diversity 23, 25–27
  - Convention on International Trade in Endangered Species, 32–33
  - Draft Declaration on the Rights of Indigenous Peoples, 31–32
  - General Agreement on Tariffs and Trade (GATT) 10, 34, 36, 39
  - International Convention for the Protection of New Varieties of Plants 36

- International Covenant on Economic, Social and Cultural Rights 32
- International Plant Protection Convention (IPPC) 26–27
- Marrakesh Agreement 34
- Multilateral Agreements on Trade in Goods 34
- Paris Convention for the Protection of Industrial Property 28, 36
- Rio Declaration on Environment and Development 75
- Universal Declaration of Human Rights 32
- Universal Declaration on the Human Genome and Human Rights 30–34
- International Bank for Reconstruction and Development. See international organisations
- International Bill of Rights 32
- International Bioethics Commission 30
- International Convention for the Protection of New Varieties of Plants. See international agreements
- International Court of Justice 70
- International Covenant on Economic, Social and Cultural Rights. See international agreements
- international harmonisation 36
- international marketplace 7, 10–11
- international organisations
  - Agricultural Technical Cooperation Experts' Group 38
  - Asia-Pacific Economic Cooperation (APEC) 22, 38
  - Asian Development Bank, 38–39
  - Food and Agriculture Organization 26–29, 61
  - International Bank for Reconstruction and Development 33–34
  - International Centre for Settlement of Investment 33
  - International Development Association (IDA) 33
  - International Finance Corporation (IFC) 33–34
  - International Union for the Protection of New Varieties of Plants 36–37
  - Multilateral Investment Guarantee Agency (MIGA) 33
  - Organisation for Economic Co-operation and Development (OECD), 7, 19, 37
  - Organisation for European Economic Co-operation (OEEC) 37
  - United Nations 21–23, 27–28, 33–34
  - United Nations Advisory Committee on Administrative and Budgetary Questions 23
  - United Nations Economic and Social Council (ECOSOC) 23
  - United Nations Educational, Scientific, and Cultural Organization (UNESCO) 30
  - United Nations Environment Programme (UNEP) 25, 33
  - World Bank 33–34
  - World Health Organization (WHO), 28–29, 33, 61
  - World Intellectual Property Organization (WIPO), 27–28
  - World Trade Organization (WTO), 22, 26–27, 29, 34, 39, 77
- International Plant Protection Convention (IPPC). See international agreements
- international standards for
  - phytosanitary measures 27
  - Code of Conduct for the Import and Release of Exotic Biological Control Agents 27
  - Guidelines for Pest Risk Analysis 27
  - Principles of Plant Quarantine as Related to International Trade 27
- international trade
  - 11, 18, 21, 26, 29, 32–34, 125
- International Union for the Protection of New Varieties of Plants. See international organisations
- invention 28, 36
- investment
  - advancing free and open 38
  - in Asia-Pacific region 22
  - in developing countries 22
  - in fishing industry 16
  - in research 123
  - in research and development 18
  - in wood processing industries 15

- local representatives 131, 137–139
  - organisations 146
- J**
- Japan
  - imports from 17
  - markets 11, 12
  - OECD membership 37
  - visitors from 17
- joint standard on Risk Management 76
- K**
- kanamycin 91
- kidney disease. See disease
- knowledge
  - economy, 18–19
- Korea
  - OECD membership 37
- L**
- labelling
  - DNA 82
  - issues 112, 133
  - of GM products 30, 35, 110, 112
  - of LMOs 26
  - of medicines 58–59
  - requirements 64
- legal obligations
  - global 23, 112
- Letters Patent Constituting the Office of the Governor-General of New Zealand 44
- liability
  - consumer 64
  - for goods and services 64
  - issues 112
  - legal 125
  - regimes 76
- licences 36
- M**
- Malaysia
  - imports from 17
- Maori Consultation programme 131, 144–148, 187–189
- marker-assisted selection (MAS) 90
- Marsden Fund 68
- Marshall Plan 37
- medical
  - applications 50, 92, 112
  - issues 150
  - officers of health, regional 62
  - products 58–60
  - projects 65
  - research 50, 88, 92–94, 154
- medicines, 59–60, 85, 152, 154
  - a-1 antitrypsin 94
  - DNAase 94
  - erythropoietin 93
  - follicle stimulating hormone 94
  - glucocerebrosidase 94
  - insulin 93
  - interferons 93–94
  - interleukins 94
  - monoclonal antibody 93
  - plasminogen activator 93
  - pulmyzyme 93
  - recombinant growth hormone 93
  - recombinant human coagulation factors 93
  - regulation 58–60
  - safety 59
- Medicines Act 1981. See Acts
- Medicines Assessment Advisory Committee (MAAC) 59
- Medicines Classification Committee 59
- Medicines Regulations 1984 58
- Medsafe 59
- Mexico
  - OECD membership 37
- milk
  - hAAT content 87
  - improved casein content 86
  - production 11
  - products, 11–12, 17
  - sheep 87
- Minister for Consumer Affairs 64
- Minister for the Environment, 56–57, 103
- Minister of Biosecurity 55–56
- Minister of Conservation 56
- Minister of Health 41, 59–60, 62–63
- Minister of Maori Affairs 6
- Ministry for the Environment 50, 103–104
- Ministry of Agriculture and Forestry 35, 51, 54, 62–63, 104
- Ministry of Fisheries 50, 104

Ministry of Foreign Affairs and Trade  
50, 104

Ministry of Health 50, 55–56, 59, 62–63, 104

Ministry of Maori Development 50, 104

Ministry of Research, Science and Technology 50, 65, 104

Ministry of Youth Affairs 149

most-favoured-nation 35

Multilateral Agreements on Trade in Goods. See international agreements

multiple endocrine neoplasia. See disease

multiple sclerosis. See disease

mutagenesis 79, 83, 104

myostatin 87

myotonic dystrophy. See disease

**N**

National Advisory Committee on Health and Disability 60

National Animal Ethics Advisory Committee (NAEAC) 63

National Animal Welfare Advisory Committee (NAWAC) 63

National Ethics Committee  
on Assisted Human Reproduction 68

National Food Authority 40

national plant protection organisations (NPPOs) 27

New Zealand  
biosecurity 48  
“clean and green” image 10, 17, 49  
competitiveness 7  
export earnings, 12–16  
exports 6–7, 9–11, 13–18  
imports 17  
international obligations 23, 34, 57  
legislation 7, 53–64, 68–69, 75  
policy, 7–9, 19, 21–22, 65, 104

New Zealand Bill of Rights Act 1990 . See Acts

New Zealand Food Regulations 1984 60

New Zealand Food Standard 1996 60

New Zealand Public Health and Disability Act 2000. See Acts

New Zealand Tourism Board 17

New Zealand Treasury 7–8, 50, 104

New Zealand’s Official Development Assistance programme 21–22

non-Hodgkin’s lymphoma. See disease

nutraceuticals, nutriceuticals 92

nutrition 28

**O**

Occupational Safety and Health Service (OSH) 55

Office of the Parliamentary Commissioner for the Environment 57

Office of Tourism and Sport 16

Official Information Act 1982. See Acts

organic  
farmers 119  
farming 14  
production 14  
products 14

Organisation for Economic Co-operation and Development (OECD). See international organisations

Ottawa Charter 33

overseas students 19

**P**

Paris Convention for the Protection of Industrial Property. See international agreements

pasture species 10, 89–91

patents 36  
acceptability 36  
protection 36

peptide hormones 95

pesticides  
residues 29, 35

Pesticides Act 1979. See Acts

pests  
control 27, 86, 90, 154  
management 14, 27, 48, 55  
plant responses to 89

Pharmac (Pharmaceutical Management Agency) 60

pharmaceutical companies 59

Pharmaceutical Schedule of the Health Funding Authority 60

pharmaceuticals 84, 89

Pharmacology and Therapeutics Advisory Committee 60

phenylketonuria (PKU). See disease

plant breeders, 36–37

plant diseases 89

plant variety protection legislation 36

- Plant Variety Rights Act 1987. See Acts
- plasmids, 80–81  
 recombinant, 80–81  
 vector 81, 87
- Poland  
 OECD membership 37
- pollen 12
- pollination 12, 104
- pollution control 58
- precautionary approach/precautionary  
 principle 26, 70–77
- proteomics 89
- public  
 authorities 57  
 awareness 38  
 communication 107, 113  
 concerns 49, 50, 57, 128  
 confidence 47  
 consultation 109, 111, 114–  
 116, 123, 126–129, 135, 140, 144  
 hearings 105–110, 114–  
 127, 140, 143  
 importance 49  
 information 141, 143, 154  
 interest 36, 50, 144  
 meetings, 107–109, 111, 114–  
 115, 117, 127–141, 185–186  
 opinion survey 107, 114, 140, 154–  
 155  
 opinions 140, 150  
 participation  
 57, 58, 61, 109, 111, 122  
 perceptions 106, 109  
 policy 37  
 response 129  
 sector 8, 57, 98  
 submissions 19, 48, 61, 107, 114,  
 119, 121, 124, 140–143  
 understanding 38  
 views, 127–128, 130, 152
- R**
- rangatira 5
- regional plant protection organisations  
 (RPPOs) 27
- release  
 of GMOs 54–55
- Republic of Korea  
 imports from 17  
 visitors from 17
- research  
 biomedical 93  
 public good science 18
- research and development 19
- Reserves Act 1977. See Acts
- resistance  
 alfalfa mosaic virus 91  
 antibiotic 80, 87, 91, 112  
 aphid 91  
 blight 90  
 disease 84, 89, 90  
 herbicide 89–91  
 insect 90  
 pest 84, 89, 91  
 potato cyst nematode 90  
 virus 91
- Resource Management Act 1991. See Acts
- resources  
 distribution 25  
 financial 33, 105  
 globalisation 25  
 management 22, 48, 56–58  
 material 21  
 natural 6, 28, 31, 56–58
- restriction enzymes 80
- ribonucleic acid (RNA) 78, 81
- Rio Declaration on Environment and  
 Development. See international  
 agreements
- Rio "Earth Summit" 25
- ryegrass 89, 91–92
- S**
- Salivaricin B 95
- Saudi Arabia  
 imports from 17  
 markets 11
- scoping meetings 107, 109–  
 113, 115, 128, 130, 133–  
 135, 141, 145, 190
- seed  
 grass 13
- Singapore  
 Closer Economic Partnership agreement  
 22
- soil  
 bacterial plasmids 96  
 breakdown products 97  
 foodweb composition 97  
 management 56

microbes 97  
 nematodes 97  
 toxic residue 90  
 South America  
   markets 12  
 South Korea  
   markets 11  
 Southeast Asia  
   markets 12  
   NZODA support 22  
 spinocerebellar ataxias. *See* disease  
 spiritual  
   issues 110, 112, 133, 152  
 Standards Australia 76  
 Standards New Zealand 76  
 standards of proof 76–77  
 Standing Committee on Therapeutic  
   Trials (SCOTT) 59  
 State Services Commission 51, 104  
 Sub-Commission on Prevention of  
   Discrimination and Protection of  
   Minorities 31  
 substantial equivalence 50, 59  
 sustainable development  
   17, 21, 25, 28, 75

**T**

Taiwan  
   imports from 17  
   markets 11  
 taonga 44  
 tikanga Maori 44  
 tino rangatiratanga 44  
 tolerance  
   herbicide 90  
 toxic residue 90  
 toxicity testing 63  
 toxins 96, 112  
 trade 8, 11, 13, 21–22, 27–28, 33–  
   35, 41  
   agreements 77  
   barriers 22, 30, 34–35, 39–40, 77  
   bilateral 39  
   free 22, 37–39  
   issues 26  
   policy 21–22  
   regulation 32, 33  
   restrictions 38  
 Trans-Tasman agreements 39  
 Trans-Tasman Mutual Recognition

  Arrangement (TTMRA) 39, 41–42  
 transgenic  
   animals, 86–88, 94–96  
   organisms 85, 89, 96  
   plants, 89–90, 96  
 transposons 83, 90  
 Treaty of Waitangi, 5–6, 43–44, 57–  
   58, 112, 122, 125, 144–145

**U**

United Kingdom  
   imports from 17  
   independence from 43  
   markets 11, 14  
   regulatory framework 69  
   VAT 9  
   visitors from 17  
 United Nations. *See* international  
   organisations  
 United Nations Educational, Scientific,  
   and Cultural Organization (UNESCO).  
   *See* international organisations  
 United Nations Conference on  
   Environment and Development  
   25, 75  
 United Nations Environment Programme  
   (UNEP). *See* international  
   organisations  
 United Nations High Commissioner for  
   Human Rights 31  
 United States  
   aid 37  
   imports from 17  
   markets 11, 12  
   OECD membership 37  
   visitors from 17  
 Universal Declaration of Human Rights.  
   *See* international agreements  
 Universal Declaration on the Human  
   Genome and Human Rights. *See*  
   international agreements  
 Uruguay Round 10, 30, 34, 36

**V**

vaccines 154  
   availability 93  
   cholera 93  
   development of 86–88  
   feline leukaemia virus 88  
   gene deleted 88

hydatids 88  
 imported 88  
 Johne's disease 88  
 LMOs 59  
 'MeganVac' 88  
 Salmonella Brandenburg 88  
 vectors 80–81, 85–86, 91, 96  
   insect 96  
 velvet 10, 14  
 viruses 80, 88, 96  
 Vitamin A 92  
 Vorsorgeprinzip 70

## W

Waitangi Tribunal 6, 44  
 water  
   development 28  
   management 48, 56  
 wood  
   exports 17  
   harvesting 15  
   processing 14, 15  
   production 14  
   quality 90

wool 11–19  
   consumption 11  
   exports 11, 16, 18  
   production 10, 87  
   products 10–11  
 Working Group on Indigenous  
   Populations 31  
 World Bank. See international  
   organisations  
 World Health Organization (WHO). See  
   international organisations  
 World Intellectual Property Organization  
   (WIPO). See international  
   organisations  
 World Trade Organization (WTO). See  
   international organisations

## X

xenotransplantation 59

## Y

Youth Forum 107–108,  
   114, 127, 129, 140, 149–153