

# Index

## A

### Acts

- Australia New Zealand Food Authority Act 1991 117
- Biosecurity Act 1993 49, 120, 128, 238
- Commissions of Inquiry Act 1908 24
- Consumer Guarantees Act 1993 132
- Copyright Act 1994 87, 132
- Designs Act 1953 87, 132
- Fair Trading Act 1986 87, 132
- Hazardous Substances and New Organisms Act (HSNO Act) 1996 45, 46, 49, 83, 121, 127–128, 152, 155
- Human Rights Act 1993 123
- Layout Designs Act 1994 132
- Patents Act 1953 87, 132
- Plant Variety Rights Act 1987 49, 132, 245
- Trade Marks Act 1953 87, 132
- Trans-Tasman Mutual Recognition (TTMR) Act 1997 132
- Agent Orange. See herbicides
- Agreement between the Government of New Zealand and Australia 117–118
- 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
  - issues 174
  - production 21, 70, 76, 91, 102, 174
  - products 66, 74
- agriculture industry. See industries
- AIDS. See disease
- allergic reaction 5, 58, 63
- allergy 12–13, 31, 58, 63, 73, 99, 109, 175

### animals

- birds 60
- cattle 175
- deer 61
- DNA 21
- ethical issues 15, 20–21, 37, 38, 50, 101, 104, 165, 176
- ferrets 36
- fish 66
- for xenotransplantation 37
- genetic material 20, 37
- in farming 180–182, 204–222, 233–234
- in research 20–21, 37, 176, 180–182, 204–207, 211–222, 233
- kiwi 122
- pigs 21
- possums 36, 41, 61, 70
- production 21
- rabbits 41, 61
- rights 8, 12, 15, 21, 37, 38, 100, 103, 176
- salmon 21
- sheep 162
- thar 61
- transgenic 64, 162
- welfare 5, 8, 21, 37–38, 95
- antibiotic resistance. See resistance
  - marker genes 50, 74
- apples. See crops
- arable land
  - loss of 92
- arthritis. See disease
- asthma. See disease
- Attention Deficit Disorder. See disease
- Australia
  - agreements with New Zealand 5, 78
  - Commonwealth Parliament 117
  - food regulations 117–120, 135–136
- Australia New Zealand Closer Economic Relations Trade Agreement 6
- Australia New Zealand Food Authority (ANZFA) 13–14, 35–36, 46–48, 77, 117–120, 153

Australia New Zealand Food Standards Council (ANZSC) 117–118, 129  
 Australia New Zealand Joint Food Standards Treaty 117–118

## B

bacteria  
   *Bacillus thuringiensis* 121  
   *Escherichia coli* 74  
 bees and bee products  
   bees 58  
   honey 54  
 biodiversity 5, 18, 30, 51, 86, 100–101, 120  
   maintenance 41, 75, 79, 95  
   protection 145  
   reduction 20, 71  
 biological control 121  
 biomedical 30  
 "biopiracy" 86  
 bioremediation 16, 72  
 Biosafety Protocol. *See* international agreements  
 biosecurity 5, 30, 71, 120, 128, 145  
 Biosecurity Act 1993. *See* Acts  
 biosensors 72  
 biotechnology 65  
   companies 176  
   revolution, 91–92  
 biotechnology industry. *See* industries  
 bovine spongiform encephalopathy (BSE) 103, 126  
 Brazil nut. *See* food

## C

Canada  
   GM crops 60–61, 65  
 cancer. *See* disease  
 canola. *See* crops  
 Cartagena Protocol on Biosafety (Biosafety Protocol). *See* international agreements  
 cattle. *See* animals  
 cloning  
   human 175–177  
 Codex Alimentarius Commission 119, 126  
 Commissions of Inquiry Act 1908. *See* Acts  
 compensation 19, 82

competition  
   essay 166  
   international 171  
 competitive advantage 33, 96–97, 103, 113  
 confidentiality 6, 25, 86  
 conservation 120, 246  
 Constitution 152  
 constitutional  
   change 152, 155  
   documents 152  
 consumer 172, 174  
   attitude 176  
   choice, 13–14, 21, 30, 33–34, 48, 63, 64, 70, 99, 104, 118, 174, 177  
   demand 93  
   education 175  
   protection 13  
 Consumer Guarantees Act 1993. *See* Acts  
 containment  
   guidelines 164  
   in research 15, 142, 145  
   issues 171  
   of crops 60  
   of products 13  
 contamination 20, 33, 74  
   of crops 13, 14, 60  
   of environment, 73–74, 89, 99–102  
   of fisheries 74  
   of indigenous species 60, 71, 163  
   of products 13–14, 64, 99  
 Convention on Biological Diversity. *See* international agreements  
 Copyright Act 1994. *See* Acts  
 corn. *See* crops  
 corporate  
   responsibility 36  
 cotton. *See* crops  
 crops  
   apples 175  
   canola 60, 65  
   corn (maize) 58, 60, 65  
   cotton 117  
   pine 167  
   potato 70  
   rice 42, 61, 73  
   soybean 14, 58, 64, 117  
 cross-pollination 14, 16–18, 58, 64, 71, 143–144, 173–174

Crown Research Institutes 61, 151  
 cultural  
   acceptability 32, 37  
   clean up 152, 158  
   concerns 7, 14, 24–25, 67,  
     88, 103–104, 107, 163, 167–  
     168, 175  
   diversity 32  
   impact assessment 152, 158  
   issues 14, 30, 46, 110,  
     114, 154, 159–162, 166–  
     167, 171–172, 175, 197  
   perspectives 104  
   phenomenon 155  
   properties 157  
   property rights 146  
   rights 15, 63, 75, 84, 112, 163  
   values 71, 79, 163  
   views 7

## D

DDT. See herbicides  
 Declaration of Independence 152  
 deer. See animals  
 Department of Conservation 120–122  
 Designs Act 1953. See Acts  
 diabetes. See disease  
 discrimination 123  
 disease  
   AIDS 63, 222  
   arthritis 41  
   asthma 63  
   Attention Deficit Disorder 41  
   cancer 41, 138, 157, 173, 222  
   causes 173  
   diabetes 41, 173  
   diagnosis 31, 99  
   heart 138  
   Huntingtons chorea 41  
   inheritable 41, 70, 75  
   multiple sclerosis 41  
   Parkinsons 41  
   risks 21, 173  
   therapeutic products 19  
   therapies 13, 19, 70, 150  
   treatment 31, 34, 35, 37, 38,  
     39, 41, 42, 63, 70, 74,  
     75, 99, 101, 104, 111,  
     157, 198, 222  
   viral 73

DNA 21, 53, 175, 198  
   animal 21  
 Draft Declaration on the Rights of  
   Indigenous Peoples. See  
   international agreements

## E

ecological  
   impacts 17–18, 61, 79  
   principles 103  
 ecosystem 30–33, 35, 51, 120, 126  
   impacts on 62, 71, 101  
 education  
   public 5–6, 18, 51, 100, 175, 177  
 endangered species 174  
 environmental  
   assessment 152, 158  
   benefits 37, 41, 68, 70, 96, 102  
   contamination, 73–74, 89, 99–102  
   costs 111, 173  
   damage 21, 65, 147, 173  
   degradation 60, 101–102  
   destruction 101, 102  
   disaster 61, 70–71, 111  
   enhancement 111  
   ethics 8  
   harm 73  
   health 92, 136  
   impacts 36, 57, 60, 73,  
     83, 102, 111, 172  
   integrity 37, 71, 74, 101  
   issues 4–5, 15, 19, 25, 30, 31,  
     34, 56, 60, 65, 89, 101–102,  
     107, 114, 171–173, 177  
   management 104  
   outcomes 41, 109  
   pressure 70, 92  
   protection 50, 70, 79, 110, 165  
   quality 32, 33, 37, 39–  
     41, 75, 102, 105  
   reasons 84  
   remediation 149, 152, 158  
   risks 17, 30, 71, 99, 104, 114, 136  
   risks and benefits 15, 30, 67–68  
   safety 50  
   values 66, 101  
   virtue 32  
 Environmental Risk Management  
   Authority (ERMA) 21, 36,  
   45, 46, 46–48, 110, 145

Escherichia coli. See bacteria

ethical

- acceptability, 20–21, 71, 84, 92, 104, 176
- advantage 47
- beliefs 32, 62, 171–172, 176
- concerns 7, 15, 70, 103–104, 107, 160–161
- considerations 24, 46, 50, 57, 104, 110
- debate 6, 146
- decline 62
- flaw 20
- framework 42
- implications 114
- integrity 63
- issues 4–5, 7, 8, 19–20, 30, 35, 46, 93, 101, 104, 175, 176
- perspectives 20, 25, 37, 103
- protocols 164
- rights 7
- safety 50, 75
- values 60
- views 67, 84

ethics

- forum 20

European

- markets 60, 65, 113

European Union

- economic sanctions 76
- patents 79
- regulatory regimes 6

evolution 20, 60, 73, 149

## F

Fair Trading Act 1986. See Acts

farming industry. See industries

field

- release 48
- trials 6, 18, 42, 102, 151, 157, 167

fish. See animals

fishing industry. See industries

food

- allergy 73
- availability 64
- ban 41, 48
- Brazil nut 58
- chain 163, 173

- choice 13–14, 34, 63, 159, 174–175, 177
- composition 13, 37, 64, 99, 103, 173, 175, 222
- concerns 34, 48, 55, 65
- consumption 12, 14, 20, 31, 34, 63, 74, 75, 104
- contamination 13
- control 175
- distribution 42
- effects of GM on 163
- global supply 84, 92
- GM-free, 17–18, 32, 174
- imports 153
- issues 5, 15, 16, 18, 42, 56, 63, 161, 164
- labelling 6, 13–14, 21, 34, 35, 45, 48, 63, 110, 119, 129–130, 135–136, 142–143, 145, 147, 151, 153, 157, 171–172, 174, 175
- legislation 145
- organic 14, 16–17, 19, 34, 63, 64, 75, 113, 174
- price 42, 64, 73, 174, 175
- process labelling 129–130
- processed 180–182, 204–208, 211–222, 227
- processing 33, 39
- producers 36
- production 12, 14, 33, 36, 39–41, 45, 48, 53, 58, 63–64, 68, 70, 102, 104, 111, 174
- products 41, 79, 92, 165
- protection 164
- quality 63–65, 70, 70–71, 75, 99, 105
- regulation 117–120
- residues on 58
- safety 5–7, 18, 30, 35, 36, 46, 63–64, 104, 114, 119
- standards 117–119, 153
- substantial equivalence 64
- supply 42, 58, 61, 64, 71, 73, 175
- testing 5, 13, 35, 64, 124
- traditional 71
- trust 12
- uncertainty 12, 56

Food and Drug Administration. See United States

food industry. See industries  
forestry industry. See industries

funding

- balanced 57
- bias 61, 104
- commercial 59
- Crown fund 152, 153, 158
- direction 13
- education 57
- for research 58
- private 61
- public 61
- research 17

## G

gene

- antibiotic marker 50, 74
- deletion 198
- function 21
- insertion 57, 58, 64, 198
- knowledge 21
- sequences 53, 198
- therapy 70, 135, 150
- transfer 37, 71, 74, 145–146, 163

genes

- animal 144
- human 37, 64, 89, 103, 144–145, 150, 154, 175
- patenting 6, 20, 85, 144, 148, 156, 157
- pig 37
- terminator 50

genomics 92

gorse. See plants

Green Revolution 64, 92

## H

hapu 153, 156–157, 162, 164

hauoratanga 163

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

health

- access to 32, 105
- advocacy groups 27
- approaches 19
- benefits 58, 63, 70, 75, 96, 148, 157, 172
- care 5, 32, 36, 70, 94, 149

child 31

choice 31, 73, 173

concerns 62

costs 42, 111

effects on 12, 31, 63, 73, 99, 102

future 31, 63, 73, 222

human 4–5, 12–13, 30, 31, 33,

34, 37, 53, 107, 172–173, 177

issues 12, 56, 62–65, 73, 114, 172

options, 39–41

outcomes, 31–

32, 32, 38, 39, 41, 109

psychological 74

public 42, 114

quality 73

research 41

risks 14, 50, 58, 73, 75, 99, 151

safety 50

spiritual 74

status 31, 32, 37

system 63

herbicide resistance. See resistance

herbicides 15, 58, 120

Agent Orange 63, 99, 104

DDT 63, 104

use 60, 70

horizontal gene transfer 5, 58, 73, 99, 124–125

horticultural

production 102, 248

horticulture industry. See industries

Hui 24, 141–158

National 141–142, 150–

153, 155, 158

human rights 122–123

Human Rights Act 1993. See Acts

Human Rights Commission 122–123

Huntingtons chorea. See disease

## I

indigenous

flora and fauna 20, 32, 36, 41, 60, 66, 71, 84, 85, 89, 112, 144–

145, 151, 155, 156, 162–

165, 167, 173

knowledge 71, 143, 152, 158

peoples 79, 163

peoples, exploitation 149

peoples' rights 6, 91, 146

property rights 15, 146, 149, 164

- industries
  - agriculture 17, 85, 96, 102, 172, 174, 222
  - biotechnology 33, 43, 102, 103, 104
  - development of new 102
  - farming 21, 27, 65, 111
  - fishing 33, 74
  - food 14
  - forestry 33
  - horticulture 17, 96, 102
  - insurance 61, 82, 111, 112
  - intensive farming 21, 70
  - local 14, 33–34
  - medical 17
  - multinational, 33–35, 36, 61, 70–71, 74, 79, 81, 82, 84, 92, 94, 99, 102, 103, 105, 112–114, 142, 149, 151, 153, 155, 157
  - organics 13, 60, 65–66, 70, 75, 99, 102
  - pharmaceutical 17, 59, 61
  - scientific 17
  - tobacco 59
  - tourism 33, 65, 66, 74, 75, 102, 174
  - transnational 13
- information
  - access to 6, 141, 143, 150, 157
  - availability 57
  - dissemination 57
  - lack of 5, 50, 143–144, 147–148, 149–152, 153, 158, 177
  - package 18
  - provision of 6
  - public 56
  - quality 4–6, 35, 57
  - sources 105
- insecticides
  - reducing use 41
  - use 70
- insects
  - beneficial 60
  - management 16
  - Monarch butterflies 58, 60
  - pest 73
- Institute of Environmental Science and Research (ESR) 124–126
- insulin. *See* medicines
- insurance 73
- liability 80, 82, 112
  - public liability 50, 82
- insurance industry. *See* industries
- intellectual property
  - 6, 15, 28, 29, 84–87, 112–113, 161, 164
  - indigenous 151
  - issues 84, 106
  - law 6
  - protection 7, 15, 85, 149
  - rights 144–146, 157, 164
  - rights of indigenous peoples 146, 148, 156
- international
  - demand 17, 75
  - markets 17
  - policies and standards 79
  - pressure 93
  - regulatory frameworks 93
- international agreements
  - 5, 77, 93, 112
  - Agreement on Technical Barriers to Trade (TBT Agreement) 133–134
  - Agreement on the Application of Sanitary and Phytosanitary Measures) 5, 133
  - Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS Agreement) 85, 132
  - Cartagena Protocol on Biosafety (Biosafety Protocol) 5–7, 78, 133
  - Closer Economic Relations (CER) 133
  - Convention on Biological Diversity 5, 77, 133
  - Draft Declaration on the Rights of Indigenous Peoples 152
  - Mataatua Declaration on Cultural and Intellectual Property Rights of Indigenous Peoples 152
  - Universal Declaration on the Human Genome and Human Rights 123, 134
- international organisations
  - International Union for the Protection of New Varieties of Plants 132
  - World Intellectual Property Organization (WIPO) 78, 132
  - World Trade Organization (WTO) 5, 77, 133–134, 176

- invention 177
- investment
  - economic 157
  - foreign 131
  - from research companies 174
  - in research 46
  - in science 76
- ira tangata 154, 163
- iwi 153
  - ethical protocols 164
  - intellectual property 15, 157
  - representative 167
- J**
- Jewish
  - dietary requirements 37, 64, 103
  - perspectives 101, 163
- K**
- kaitiakitanga 145, 162
  - kaitiaki obligations 145
- kawa 149, 163
- knowledge 161
  - access to 148, 150, 157
  - economy 66
  - lack of 45, 66, 145, 154, 158, 161
  - loss of 75
  - Maori traditional 85, 89, 112
  - public 148
  - rights to 6
  - scientific 198
- L**
- labelling
  - accuracy 6
  - GM products 13, 34
  - issues 175
  - laws 48
  - of food. See food: labelling
  - of medicines. See medicines
  - policy 176
  - regime 13, 35, 38, 48
- legal
  - frameworks 7
  - issues 176
  - obligations 24
  - obligations, global 5
  - responses to GM, 91–93
- liability 28, 80–83, 106, 112, 171
  - corporate 36
  - establishment of, 80–83, 112
  - extent, 80–82
  - framework 83
  - insurance 50, 80, 82, 112
  - issues 6, 80, 107, 112
  - legislation 50
  - of companies 82
  - of New Zealand 82
  - of producers 82
  - of retailers 6
  - of state 82, 112
  - options 81
  - "polluter-pays" approach 36, 82–83, 112
  - types 80
- liability insurance. See insurance
- M**
- maize. See crops: corn
- mana 154, 162–163
- mana tangata tiaki 163
- markets
  - agricultural 74
  - forestry 74
- Mataatua Declaration on Cultural and Intellectual. See international agreements
- mauri 139, 152, 154, 162–163, 167–168
- medical
  - applications, 5–7, 19, 35, 48, 55, 99, 111
  - benefits 5, 150, 154
  - conditions 62
  - issues 5, 172–173, 177
  - procedures 13–15, 16, 159
  - products 34
  - research 180–182, 204–208, 211–222
  - treatments 34, 35
- medical industry. See industries
- medicines, 5–7, 38, 66, 73, 101, 146–147, 156, 161, 163–165, 167, 173, 177, 180–182, 204–208, 211–222, 232
- insulin 35, 63, 73, 101, 177
- labelling 13
- Maori 164
- thalidomide 63, 99, 101, 104

milk  
 from GM grass 175  
 Ministry of Agriculture and Forestry (MAF) 16, 126–129  
 Ministry of Consumer Affairs 129–130  
 Ministry of Economic Development 130–133  
 Ministry of Foreign Affairs and Trade 133–134  
 Ministry of Health 118, 135–136  
 Monarch butterflies. See insects  
 monopoly 61, 70, 85, 103, 113  
 multinationals. See industries  
 multiple sclerosis. See disease  
 Muslim  
 dietary requirements 37, 64, 103  
 perspectives 101, 163

**N**

national  
 interest 8  
 sovereignty 104  
 wealth 33  
 national self-determination 32, 34, 93  
 negligence 156  
 New Zealand  
 "clean and green" image 14, 32–33, 66, 70, 74, 99, 101–102, 174  
 competitiveness 33, 70, 75, 96, 103, 113  
 environment, 32–33  
 export earnings 75  
 exports 18, 20  
 food 17  
 international obligations 24, 28, 77–79, 112  
 international partners 47  
 international trade 47, 66  
 legislation 20–21, 24, 28, 45–50, 50, 57, 83, 93, 106, 110, 142, 145, 148–150, 152, 155, 156  
 policy 5, 24, 28, 44, 79, 80, 93, 106, 112, 145, 176  
 regulations 20, 21, 24, 28, 36, 39, 44–50, 57, 80, 83, 93, 106, 110, 117–118, 145  
 regulatory agencies 35  
 non-target organisms 20

nutraceuticals, nutraceuticals 16, 19, 70, 73  
 nutrition  
 human 149

**O**

Old Man's Beard. See plants  
 organic  
 certification 65  
 farmers 37, 60, 73  
 farming 60, 65, 70, 99  
 market 18, 74, 174  
 processes 34, 96  
 produce 17, 65, 75, 103  
 production 32, 65, 92, 96, 109, 111, 113, 125  
 products 96  
 research 92, 103, 113  
 organics industry. See industries  
 Otago University 157

**P**

Parkinsons. See disease  
 patenting 64, 84–85  
 and costs 85  
 application of 84–85  
 of food 84  
 of life forms 85, 104, 152  
 of Maori genes 144  
 opposition to 84–85, 112  
 regime 85  
 Patents Act 1953. See Acts  
 penalties 83  
 pesticide resistance. See resistance  
 pesticides 15, 73, 120  
 increasing use 71  
 natural 73  
 reducing use 41  
 use of 96, 174  
 pests 37, 75  
 control 15, 16, 41, 70, 73, 102, 120, 180–181, 204–208, 211, 232–233  
 eradication 41  
 immunity 73  
 introduced 104  
 pharmaceutical industry. See industries  
 pharmaceuticals 12–16, 19, 135, 159, 164

pigs. See animals  
 pine. See crops  
 Plant Variety Rights Act 1987. See Acts  
 plants  
     disease risks 173  
     gorse 41, 61, 70  
     medicinal benefits 63  
     Old Man's Beard 41  
     research 180–182, 204–208, 211–221, 233  
 pollen 58, 63, 99–102  
     drift 61  
 pollution 21, 41, 92  
     genetic 71, 73  
 population  
     growth 92, 171, 176  
 possums. See animals  
 potato. See crops  
 precautionary approach/precautionary  
     principle 16, 36, 38, 50, 57, 110, 149  
 public  
     assurance 61  
     availability 25, 57  
     benefit 104  
     choice 34  
     comment 11, 112  
     concerns 8, 26, 61, 64, 101  
     consultation 8, 11  
     control 42  
     cost-bearing 112  
     distrust 61  
     health 118, 136  
     input 24, 33, 35, 79, 93, 112  
     interest 5, 8, 28, 29, 30, 57, 98–105, 106, 112–114, 151  
     meetings 4, 8, 11–21, 25, 159–165  
     misinformation 70  
     money 151, 157  
     opinion 58  
     protection of 156  
     release 18  
     safety 46, 118  
     support 58  
     views 7, 11, 25–26, 46, 93, 112, 159  
 Public Opinion Survey 179–234

## R

rabbits. See animals  
 rangatiratanga 89, 136–137, 155, 162, 165  
 recovery  
     of extinct/endangered species 41  
 release  
     of GMOs 15, 18, 34, 42, 65, 74, 81–83, 101, 102  
 research  
     capabilities 103  
     costs 85  
     farming 111  
     funding 124  
     in containment 15, 101  
     interests 61  
     internationally competitive 66, 76  
     issues 12  
     promotion of 46  
     restricting 42, 167  
     selling of 61  
 research and development  
     18, 42, 53, 60  
 resistance  
     antibiotic 73  
     herbicide 37  
     pesticide 16  
 resources  
     abundant 17  
     access to 32  
     Maori 146  
     natural 171  
     problems 92  
     scarce 17  
 rice. See crops  
 risk analysis 118  
 royalties 61

## S

salmon. See animals  
 seed  
     banks 75  
     cost 17  
     distribution 79  
     organic 14  
     ownership 85  
     supply 70  
     terminator technology 176  
 sheep. See animals

- soil
    - biota 15, 125
    - effects on 5, 58
    - erosion 14
    - nitrogen balance 174
  - soybean. See crops
  - spiritual
    - approach 19
    - beliefs 20, 144, 163
    - clean up 152, 158
    - concerns 14, 104, 160
    - environment 156
    - impacts on 152, 158
    - implications 70, 99
    - integrity 63
    - issues 7, 14–15, 46, 159–165
    - perspective 101, 103, 104
    - properties 164
    - reasons 101, 163
    - values 71, 89
    - wellbeing 32, 74
  - substantial equivalence 64
  - "super-bugs" 102
  - "super-weeds" 37, 58, 102
  - sustainable
    - agricultural methods 91, 153
- T**
- taiao 163
  - tangata whenua 155, 156, 162, 165
  - taonga 15, 151, 156, 157, 160, 162–165
  - tapu 37, 139
  - Te Puni Kōkiri 136–139
  - thalidomide. See medicines
  - tikanga 149
  - tikanga Maori 89, 113, 141, 147, 152, 154–155, 157–158, 161–163
    - concepts 168
    - principles 88–89
  - tobacco industry. See industries
  - tourism. See industries
  - toxic waste reduction 16
  - toxins 60, 73
  - trade
    - agreements, 77–79, 93
    - barriers 79
    - international 66
    - negotiations 79, 93, 153
    - relations 79
    - sanctions 66
  - Trade Marks Act 1953. See Acts
  - Trans-Tasman Mutual Recognition (TTMR) Act 1997. See Acts
  - Trans-Tasman Mutual Recognition Arrangement (TTMRA) 132
  - transgenic
    - experiments 165
    - issues 164
    - meat 21
    - organisms 12, 13, 64, 162, 175
  - transnationals. See industries
  - Treaty of Waitangi 7, 15, 24, 28, 29, 46, 88–89, 106, 107, 113, 136–139, 141–142, 144–152, 153–156, 157, 160–162, 163–165, 166–172, 175
  - tryptophan 58
- U**
- United States
    - control 34
    - court case 46
    - Food and Drug Administration (FDA) 35–36, 46
    - patents 79
    - trade sanctions 66, 76
- V**
- vaccines 37, 63, 180–181, 182, 204–207, 207, 208, 211–222, 232
  - vectors
    - viral 74
  - viruses 13, 16, 18
  - vitamin A 42, 61
- W**
- wairua 138, 154, 162–163
  - Waitangi Tribunal 122, 137, 145, 168
  - water
    - pollution 16, 60, 174
  - weed control 120
  - whakapapa 15, 71, 128, 136, 138, 142, 144, 146, 148–149, 151, 154, 162–164, 167–168
  - whanau 153, 156–157, 164

World Trade Organization. See  
international organisations

**X**

xenotransplantation 7, 21, 37

**Z**

zero risk 144