INDEX

Acacia 27	potting mixes 132, 147–149
Actinostrobus 11	anions 56
Adansonia grandidieri 9	annual plants 6
agave 132	Atacama desert 8
aggregates in soils 34–35, 37–39, 47–48,	Atriplex 17
58–59, 134	Australian native plants 12, 150
air	alkalinity tolerance 60
ability to evaporate water 7, 17, 87	drought tolerance 73, 75
as source of carbon dioxide 1, 15–17	fertiliser needs 24
humidity and transpiration 17, 21–22, 68,	grasses 110, 120
81, 140	phosphorus needs 26–27
in potting mixes 134, 136	phosphorus toxicity in 62
movement through mulches 96, 100	salinity tolerance 58
source of oxygen for roots 19–21, 29, 34,	Australian standard for composts 40
114	Australian standard for potting
temperature 81, 142	mixes 132–133
air conditioning 3, 7	Australian standard for soils 112
air pruning of roots 110	Austrodanthonia spp. 119–121
air-filled porosity of potting mixes 135-137	available water 51–53, 112
and sub-irrigation 143	and root depth 46, 48
changing 137	and soil texture 51–52
desirable ranges for potting mixes 135-137	effect of organic matter 51-52
effect of pot depth on 135	held by coir fibre dust 53
measuring 147	held by water crystals 53
alkaline soils 21, 27, 56, 60, 112	in potting mixes 131, 135–136
alkalinity 58–60	in soil blends 112
effect on trace element uptake by plants 60	
from bicarbonate in waters 57, 59–60	backflow prevention 89
of greywater 58, 60–61, 63	Baja California 8
of mushroom composts 42	Banksia audax 13
of water supplies 58	Bauera 27
Allocasuarina verticillata 13	Beaucarnea recurvata 94
altitude and plant characteristics 8	Beaufortia 27
analysis	bedding plants 6, 24
of soil 27, 107	Begonia 16
of greywater 61	bentgrasses 119–121
of water 55	bentonite clay 139