

Supplementary table 1

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Table S1. Summary of alien plant species and native-alien population occurring and currently being controlled in Kloofendal Nature Reserve. This table categorises the number of species removed from KNR based on their respective families, Life forms, Uses, and classifications under the NEMBA AIS Regulations. Classifications were following Spottiswoode (2024). The population marked with an asterisk is a native-alien population. NL stands for "not listed," which means species not listed under the NEMBA AIS Regulations

Scientific Name	Number of individual plants removed	Family	Life form	Uses	NEMBA categories
<i>Acacia dealbata</i> Link	7	Fabaceae	Tree	Timber	Category 2
<i>Acacia elata</i> A.Cunn. ex Benth.	12	Fabaceae	Tree	Ornamental	Category 1b
<i>Acacia mearnsii</i> De Wild	6009	Fabaceae	Tree	Firewood	Category 2
<i>Acacia melanoxylon</i> R.Br.	3431	Fabaceae	Tree	Timber; Shelter; Ornamental	Category 2
<i>Acacia podalyriifolia</i> A.Cunn. ex G.Don	396	Fabaceae	Tree	Shade; Honey Source	Category 1b
<i>Agave americana</i> L.	319	Agavaceae	Succulent	Ornamental; Hedging; Fence posts	Category 3
<i>Agave angustifolia</i> Haw.	6	Agavaceae	Succulent	Medicinal; Food; Honey	Category 2
<i>Ageratina adenophora</i> (Spreng.) R.M.King & H.Rob.	5518	Asteraceae	Shrub	Ornamental	Category 1b
<i>Ailanthus altissima</i> (Mill.) Swingle	14	Simaroubaceae	Tree	Ornamental	Category 1b
<i>Araujia sericifera</i> Brot.	1375	Apocynaceae	Climber	Ornamental	Category 1b
<i>Argemone ochroleuca</i> Sweet	1055	Papaveraceae	Herb	Weed	Category 1b

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<i>Arundo donax</i> L.	2	Poaceae	Grass	Ornamental; Ceiling; Musical Instrument	Category 1b
<i>Campuloclinium macrocephalum</i> (Less.) DC.	4466	Asteraceae	Herb	Medicinal	Category 1b
<i>Celtis australis</i> L.	4	Cannabaceae	Tree	Ornamental; Tree Shade	Category 3
<i>Celtis sinensis</i> Pers.	36	Cannabaceae	Tree	Tree Shade	NL
<i>Cereus jamacaru</i> DC.	2	Cactaceae	Succulent	Food	Category 1b
<i>Cestrum parqui</i> (Lam.) L'Hér.	7274	Solanaceae	Shrub	Ornamental; hedging; windbreaker	Category 1b
<i>Cirsium vulgare</i> (Savi) Ten.	88	Asteraceae	Herb	Medicinal	Category 1b
<i>Cortaderia jubata</i> (Lemoine) Stapf	3	Poaceae	Grass	Ornament; dump stabilization	Category 1b
<i>Cotoneaster glaucophyllus</i> Franch.	110	Rosaceae	Shrub	Ornamental	Category 1b
<i>Cotoneaster pannosus</i> Franch.	43	Rosaceae	Shrub	Hedging; Ornamental	Category 1b
<i>Crotalaria agatiflora</i> Schweinf.	13	Fabaceae	Shrub	Ornamental	Category 1b
<i>Datura stramonium</i> L.	2206	Solanaceae	Herb	Weed; Medicinal	Category 1b
<i>Eucalyptus camaldulensis</i> Dehnh	78	Myrtaceae	Tree	Shelter; Timber; Firewood; Ornamental	Category 1b
<i>Eucalyptus cinerea</i> F.Muell. ex Benth.	3	Myrtaceae	Tree	Medicinal	Category 2

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<i>Heliotropium amplexicaule</i> Vahl	673	Boraginaceae	Herb	Medicinal	NL
<i>Ipomoea purpurea</i> (L.) Roth	18	Convolvulaceae	Climber	Ornamental	Category 1b
<i>Iris pseudacorus</i> L.	1	Iridaceae	Herb	Ornamental	Category 1a
<i>Jacaranda mimosifolia</i> D.Don	48	Bignoniaceae	Tree	Ornamental	Category 1b
<i>Lantana camara</i> L.	5474	Verbenaceae	Shrub	Ornamental; Hedging.	Category 1b
<i>Ligustrum japonicum</i> Thunb.	102	Oleaceae	Tree	Ornamental	Category 1b
<i>Ligustrum lucidum</i> W.T.Aiton	93	Oleaceae	Tree	Ornamental; Hedging	Category 1b
<i>Melaleuca viminalis</i> (Sol. ex Gaertn.) Byrnes	3	Myrtaceae	Shrub	Food	NL
<i>Melia azedarach</i> L.	269	Meliaceae	Tree	Ornament; Shade	Category 1b
<i>Mirabilis jalapa</i> L.	620	Nyctaginaceae	Herb	Medicinal	Category 1b
<i>Morus alba</i> L.	2	Moraceae	Tree	Feeding silkworms	Category 2
<i>Opuntia ficus-indica</i> (L.) Mill.	18	Cactaceae	Succulent	Fruit; Animal fodder; Hedging	Category 1b
<i>Opuntia leucotricha</i> DC.	1	Cactaceae	Succulent	Animal fodder; Hedging	Category 1b
<i>Persicaria lapathifolia</i> (L.) Delarbre	2	Polygonaceae	Herb	Poison; Medicinal	NL
<i>Physalis peruviana</i> L.	410	Solanaceae	Herb	Food; Medicinal	NL
<i>Phytolacca octandra</i> L.	1830	Phytolaccaceae	Herb	Medicinal	Category 1b
<i>Pinus roxburghii</i> Sarg.	56	Pinaceae	Tree	Timber; Shelter; Shade; Ornament	Category 2
<i>Podranea ricasoliana</i> (Tanfani) Sprague*	52	Bignoniaceae	Shrub	Ornamental	NL

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<i>Pteridium aquilinum</i> (L.) Kuhn	446	Dennstaedtiaceae	Fern	Human food; Medicinal	NL
<i>Pyracantha angustifolia</i> (Franch.) C.K.Schneid.	300	Rosaceae	Shrub	Ornamental; Hedging	Category 1b
<i>Richardia brasiliensis</i> Gomes	1	Rubiaceae	Herb	Medicinal	NL
<i>Robinia pseudoacacia</i> L.	88	Fabaceae	Tree	Timber; Shelter; Shade; Ornamental; Fuel	Category 1b
<i>Rubus cuneifolius</i> Pursh	73	Rosaceae	Shrub	Food	Category 1b
<i>Salvia tiliifolia</i> Vahl	192	Lamiaceae	Herb	Horticulture	Category 1b
<i>Sesbania punicea</i> (Cav.) Benth.	6	Fabaceae	Shrub; Tree	Ornamental	Category 1b
<i>Solanum elaeagnifolium</i> Cav.	211	Solanaceae	Shrub	Weed	Category 1b
<i>Solanum mauritianum</i> Scop.	14722	Solanaceae	Shrub	Ornamental; Animal Food	Category 1b
<i>Solanum pseudocapsicum</i> L.	43658	Solanaceae	Shrub	Ornamental; Medicinal	Category 1b
<i>Solanum seaforthianum</i> Andrews	35	Solanaceae	Climber	Ornamental; Animal Food	Category 1b
<i>Tagetes minuta</i> L.	58	Asteraceae	Herb	Food; Medicine; Poisin	NL
<i>Tecoma stans</i> (L.) Juss. ex Kunth	238	Bignoniaceae	Tree	Ornamental	Category 1b
<i>Verbena bonariensis</i> L.	63	Verbenaceae	Herb	Ornamental	Category 1b
<i>Verbena brasiliensis</i> Vell.	86	Verbenaceae	Herb	Ornamental	Category 1b