

ALCOA WORLD ALUMINA AUSTRALIA

No. 27

**SEED GERMINATION AND RESEARCH
RECORDS FROM
ALCOA'S MARRINUP NURSERY**

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INTRODUCTION

Alcoa World Alumina Australia (Alcoa) mines bauxite in the northern jarrah (*Eucalyptus marginata*) forest of Western Australia, 120 km south-east of Perth. Approximately 550 ha are mined and rehabilitated each year at two operating mines, Huntly and Willowdale. Alcoa's restoration objective is to restore a functional jarrah forest ecosystem that fulfils all of the pre-mining land uses of the jarrah forest. An important land use is conservation and to this end Alcoa endeavours to return a high diversity of jarrah forest plant species into restored areas.

Alcoa's Marrinup Nursery is 10km from the Huntly mine and has supplied plants and seed for rehabilitation since 1980. Broadcast seedmixes are comprised of 70–100 jarrah forest understorey and tree species, locally collected from pre-determined provenance zones. Marrinup Nursery also provides 100,000 to 200,000 greenstock plants each year of about 20 species that do not establish well from applied seed or returned topsoil. These are produced by tissue culture or cuttings in the laboratories at Marrinup Nursery for direct planting into the field.

Maintaining a high quality of seed for the use in broadcast seedmixes is crucial to rehabilitation success. Seedlots delivered to the nursery are randomly tested for viability and germinability to ensure seed is of high quality. Data collected from these tests are collated into Alcoa's Plant Database and are used for calculating seed application rates for broadcast seeding and for growing plants in the nursery.

Some of the information collected has been published previously in reviews by Bell *et al.* (1993), and Koch and Taylor (2000). However since this last review, much more information has been collected, with the data in this research note now covering 1123 taxa and 5613 individual germination tests.

Alcoa staff are frequently asked about developments in seed treatment procedures and propagation requirements to maximise germination success of jarrah forest species. This publication summarises all the available information of routine germination tests and internal research experiments, and should be of use to researchers, students, landcare practitioners and land reclamationists in Western Australia and elsewhere.

TABLE 1 – ROUTINE TEST DATA

The taxa tested are mostly native plants from the south west of Western Australia, however data from other non W.A plants has been included. For ease of use the taxa are listed alphabetically, not taxonomically. Seed tested can be of any age but is usually one to two years old.

Germinations were generally carried out using punnets of jarrah forest topsoil in a glasshouse at a temperature of approximately 15°C -20°C. Each single test consists of three replicates, usually of 20-50 seeds per replicate. Tests were usually monitored for 40 days.

The data table is a summary of tests carried out over the last 21 years. Germination can be significantly affected by the age of the seed, the ripeness when picked, storage conditions and viability at the time of testing. For some taxa only one or a few tests have been carried out. This data is therefore less reliable than for taxa where many tests have been carried out. Where new data has been added to data from previous publications, weighted averages have been calculated based on the number of tests undertaken.

Pre-treatments for each taxon have been listed beside each name. In a few cases the best treatment has not been applied to a taxon. Optimum pre-treatments are usually a result of many years of seed germination research.

The data in table 1 represents 1065 taxa and over 5500 individual germination tests. The specific treatments are described below.

BOIL: Seed is placed in boiling water and left immersed for 30 seconds. *Paraserianthes* seed was immersed for 5 minutes.

Boiling in water breaks physical dormancy of seeds by creating many randomly located cracks (fissures) in the strophioar plug, a specialised structure which seals the natural opening through impermeable seed coat layers (Baskin and Baskin 2001). Boiling can also cause small cracks to appear on the surface of the seed coat which allows for imbibition. Similarly, hot water treatment also produces fissures and cracks in the seed coat.

SMOKE: Marrinup uses a combination of aerosol smoke and smoke water treatments. The former is done off-site by Tranen Pty Ltd where seed is placed in a smoke house. The latter is done on-site

using a 5% smoke water solution for 1 hr or 24 hrs depending on the species, drained, and air dried overnight.

Smoke has been successful in promoting germination of many native plant species in Australia. For example many *Stylidium* and *Conostylis* species are smoke responsive. Some published lists of smoke responsive species are found in Dixon *et al.* 1995, Roche *et al.* 1997a, Roche *et al.* 1997b, Roche *et al.* 1998. For some smoke responsive species, only untreated germination data was available for publishing in this research note. In these instances, low germination response is possibly a result of this seed being untreated, rather than dormancy or viability issues.

HEAT: Dry seeds are placed in a pre-heated oven at either 30°C, 60°C or 100°C for 2 weeks, 1 hr or 0.5 hrs respectively.

Pulse application of dry heat is a relatively new treatment at Marrinup. It was initially used to encourage germination of non-legume species (*Anigozanthus manglesii*), however it has also been found to successfully replace the requirement for boiling in some legume species (*Gompholobium marginatum*, *Daviesia cordata*, *Kennedia coccinea*).

GIBBERELIC ACID: Seed are soaked in 200 mg/L or 500 mg/L solution of Gibberellic Acid (GA₃) for 24 hours, drained and air dried overnight.

Although GA₃ has been a known germination stimulant for many years, treatment of seed for use in Alcoa's broadcast seedmixes has only moved from a research context into production in the last five years. Gibberellic acid is a naturally occurring plant hormone that is used to stimulate germination by overcoming dormancy mechanisms, assisting with embryo growth (Baskin and Baskin, 2001), and can replace the requirement for light in some species (e.g. a number of *Senecio* species (S. Turner pers. comm)).

WARM FRUIT: This method is used to open the fruit of some *Dryandra* species so the seed can be removed. This involves placing the enclosed seed in a warming oven at 60 °C until the fruit opens, generally after 4 - 5 hours.

RUB: By rubbing seed on a corrugated rubber mat, the glumes surrounding the seed can be removed

SCARIFICATION: This involves lightly rubbing the seed along fine sandpaper until the endosperm is visible. This allows for imbibition and therefore is often successful in removing dormancy of legumes species that require boiling prior to germination.

Although Alcoa is careful to obtain correct plant identifications for supplied seed, the validity of species names cannot always be verified, particularly when no voucher specimens are supplied. Some seedlots may be misidentified which could lead to variability in germination results. Alcoa accepts no responsibility for any loss or economic hardship due to the use of, or dependence on this germination information.

The data table contains (from left to right) the plant name, treatment at the time of testing, the mean percentage germination, the number of tests used to determine this mean, the mean number of germinants per gram of seed, and the number of tests used to determine the mean number of germinants per gram.

TABLE 2 – RESEARCH DATA

The following section shows the research (published and unpublished) behind some of the treatments used for germination testing. Unless otherwise stated, three replicates of 50 seeds (20 in the case of larger seeds) are sown per treatment. Descriptions are relatively brief, however more detailed information can be obtained by logging on to our website www.alcoa.com.au or contacting the author by email. The seedlot numbers used for each test are also listed. In most cases the first two digits indicate the year which the seed was delivered to Marrinup Nursery. The results columns are split into percent germination, percent viability, and viability adjusted germination (VAG). Viability is determined by a cut test and seeds which are dried out, discoloured, empty, or have a shrunken endosperm are deemed unviable. VAG is simply the percentage germination of the viable seed.

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Table 1. Routine germination data for 1065 plant taxon from Alcoa's Marrinup Nursery

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Acacia acinaceae	boil			38.64	1
Acacia acuminata	boil	43.23	8	33.12	4
Acacia alata	boil	55.54	50	56.16	42
Acacia aneura	boil	53.12	6	40.50	6
Acacia angustifolia	boil			0.00	1
Acacia aphylla	boil	71.24	3	51.33	3
Acacia ashbyae	boil	100.00	1	170.00	1
Acacia auriculiformis	boil	45.32	2	17.00	2
Acacia baileyana	boil	80.83	3	30.67	2
Acacia baileyana var purpurea	boil	75.10	3	38.00	2
Acacia barbinervis	boil			58.89	6
Acacia browniana	boil	75.37	36	125.34	18
Acacia browniana var browniana	boil	72.61	13	174.02	12
Acacia celastriifolia	boil	46.43	53	43.23	27
Acacia cochlearis	boil	59.72	11	81.57	12
Acacia cyclops	boil	23.93	9	9.75	6
Acacia decurrans	boil	77.79	5	42.17	6
Acacia deflexa	boil	100.00	1		
Acacia dentifera	boil	69.33	5	63.87	5
Acacia divergens	boil	48.41	5	167.04	10
Acacia drummondii	boil	90.50	38	226.91	17
Acacia drummondii ssp candolleana	boil	74.14	69	229.61	74
Acacia drummondii ssp drummondii	boil	60.04	37	281.42	34
Acacia drummondii ssp elegans	boil	0.00	1	0.00	1
Acacia elata	boil	86.36	5	21.72	6
Acacia elliptica	boil	4.35	1	2.00	1
Acacia ericifolia	boil	48.08	8	206.86	7
Acacia erinacea	boil	45.33	3	271.33	3
Acacia extensa	boil	57.34	55	52.60	40
Acacia falcata	boil	54.75	5	51.00	2
Acacia fauntleroyi	boil	70.83	1	850.00	1
Acacia floribunda	boil	86.96	1	200.00	1
Acacia gemina	boil	30.22	6	164.28	6
Acacia gilbertii	boil	59.70	23	62.21	21
Acacia glaucoptera	boil	62.41	10	105.63	8
Acacia hemiteles	boil	51.67	2	62.50	2
Acacia heteroclita	boil			0.00	1
Acacia horridula	boil	52.91	23	38.11	20
Acacia huegelii	boil	45.84	8	29.02	8
Acacia incrassata	boil				
Acacia incurva	boil	44.00	4	42.50	4
Acacia iteaphylla	boil	66.69	6	47.20	5
Acacia lasiocalyx	boil	34.29	5	3.60	1
Acacia lasiocarpa	boil	64.29	21	104.98	31
Acacia lateriticola	boil	60.09	58	123.59	42
Acacia ligulata	boil	2.61	2	23.50	2
Acacia ligulata var murrayana	boil	0.00	1	0.00	1
Acacia littorea	boil	75.93	2	170.00	2
Acacia longifolia	boil	74.45	5	55.52	5
Acacia melanoxylon	boil	70.10	5	39.22	6
Acacia merinthophora	boil	65.58	3	115.00	2
Acacia microbotrya	boil	34.04	34	9.80	26
Acacia myrtifolia	boil	60.06	26	72.75	26
Acacia myrtifolia var angustifolia	boil	22.27	10	59.00	2
Acacia nervosa	boil	49.42	28	44.27	38
Acacia obovata	boil	53.67	4	46.67	8
Acacia oncinophylla	boil	29.00	1	60.84	2
Acacia paradoxa	boil			0.00	1
Acacia pendula	boil	15.00	1	6.00	1
Acacia podalyriifolia	boil	64.48	4	19.75	3
Acacia pravissima	boil	50.00	1	70.00	1
Acacia preissiana	boil	28.09	4	22.09	4
Acacia pulchella	boil	71.75	19	274.93	18

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Acacia pulchella var glaberrima	boil	61.29	69	77.96	63
Acacia pycnantha	boil	80.11	2	22.60	2
Acacia redolens	boil	19.12	6	33.33	5
Acacia rostellifera	boil	65.64	10	21.74	9
Acacia saligna	boil	45.81	43	35.07	26
Acacia scabra	boil			0.00	1
Acacia semitrullata	boil			0.00	1
Acacia sessilis	boil	36.67	3	211.78	3
Acacia sophorae	boil	54.14	6	37.76	7
Acacia spathulifolia	boil	100.00	1	80.00	1
Acacia spinosissima	boil			0.00	1
Acacia steedmanii	boil	53.98	4	38.18	4
Acacia stenoptera	boil	46.30	13	21.32	14
Acacia suaveolens	boil		0	36.00	1
Acacia sulcata	boil	0.00	1	0.00	1
Acacia teretifolia	boil			0.00	1
Acacia tetragonophylla	boil	51.78	6	26.22	6
Acacia truncata	boil	40.58	12	93.65	12
Acacia urophylla	boil	56.30	57	62.89	44
Acacia varia	boil			0.00	1
Acacia varia var parviflora	boil	100.00	1	0.00	1
Acacia varia var varia	boil			69.33	1
Acacia verticillata	boil	1.50	2	10.03	3
Acacia vestita	boil	73.94	5	23.20	5
Acacia wilddenowiana	boil	59.34	10	41.84	9
Acacia xanthina	boil	76.40	5	29.69	5
Acanthocarpus preissii				0.00	1
Acrotriche serrulata				0.00	1
Actinostrobos arenarius		28.27	3	19.00	3
Actinostrobos pyramidalis		12.60	2	9.50	2
Actinotus glomeratus				0.00	1
Actinotus leucocephalus		0.00	1	0.00	1
Adenanthos barbigerus				0.00	1
Adenanthos cygnorum				0.00	1
Agrostis avenacea				0.00	1
Agrostocrinum scabrum		0.16	13	0.11	14
Albizia lebbeck		14.29	2	1.00	2
Allocauarina campestris		50.09	7	411.43	5
Allocauarina decussata		78.35	6	186.67	6
Allocauarina fraseriana		37.35	38	76.05	40
Allocauarina huegeliana		54.70	23	297.53	22
Allocauarina humilis		24.73	60	77.35	51
Allocauarina lehmanniana		19.33	3	193.33	3
Allocauarina pusilla				32.80	1
Amperea simulans				0.00	1
Amphipogon amphipogonoides	smoke			0.00	1
Amphipogon strictus		60.00	1		
Amphipogon turbinatus	smoke			0.00	1
Anarthria prolifera				0.00	1
Andersonia involucrata		27.64	8	1449.18	7
Andersonia latiflora		13.75	9	848.90	8
Andersonia lehmanniana		0.36	6	11.11	6
Angophora costata		88.02	3	73.00	3
Anigozanthos flavidus		56.32	7	198.14	5
Anigozanthos humilis		3.91	2	53.33	3
Anigozanthos manglesii	heat	70.17	7	211.48	7
Anigozanthos rufus		3.28	3	17.33	3
Anigozanthos viridus		6.37	5	64.38	6
Anthocercis littorea		0.00	1	0.00	1
Aphelia cyperoides				0.00	1
Argentipallium niveum		0.00	1		
Arthropodium capillipes				0.00	1
Astartea fascicularis		4.33	3	14.67	3
Asteridea pulverulenta		27.33	2	726.00	3
Astroloma ciliatum		0.00	2	0.00	3
Astroloma epacridis		0.48	7	0.48	7

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Astroloma foliosum				0.00	1
Astroloma pallidum				0.00	2
Atriplex amnicola var Meeberie		0.00	1	0.00	1
Atriplex amnicola var 'Rivermor'		43.75	1	140.00	1
Atriplex cinerea prostrate		34.00	1	52.12	1
Atriplex cinerea upright		20.67	1	11.26	1
Atriplex isatidea		21.89	3	15.35	3
Atriplex lentiformis		57.42	2	695.00	2
Atriplex nummularia		0.00	1	0.00	1
Austrodanthonia caespitosa	smoke	73.44	3	1396.36	2
Austrodanthonia setacea				0.00	1
Austrostipa campylachne		12.67	1	19.00	1
Austrostipa compressa				0.00	1
Austrostipa elegantissima				0.00	1
Austrostipa pubinodis				0.00	1
Austrostipa rudis var nervosa				7.14	1
Austrostipa semibarbata		18.33	1		
Baeckea camphorosmae		9.32	8	2.55	7
Banksia ashbyi		33.93	2	25.00	2
Banksia attenuata		59.66	18	15.05	17
Banksia baueri		100.00	1	11.00	1
Banksia caleyi		92.31	1	12.00	1
Banksia grandis		77.90	54	13.60	52
Banksia hookeriana		60.00	1	66.00	2
Banksia ilicifolia		21.43	2	29.00	3
Banksia integrifolia		77.78	1	140.00	1
Banksia littoralis		73.68	12	38.64	11
Banksia menziesii		55.92	7	27.29	7
Banksia prionotes		57.08	3	29.25	3
Banksia robur		100.00	1	60.00	1
Banksia sceptrum		94.12	1	16.00	1
Banksia seminuda				0.00	1
Banksia speciosa		90.91	1	10.00	1
Banksia sphaerocarpa		31.69	3	56.67	2
Banksia sphaerocarpa var sphaerocarpa		80.07	10	21.80	10
Banksia spinulosa var spinulosa		66.67	1	60.00	1
Banksia verticillata		42.86	1	4.29	1
Baumea rubignosa		0.00	1		
Beaufortia macrostemon		61.33	3	850.00	1
Beaufortia sparsa		89.88	2	2600.00	2
Beaufortia squarrosa		88.25	3	893.33	3
Billardiera candida				0.00	1
Billardiera coeruleo-punctata				8.00	2
Billardiera drummondiana	smoke	18.34	2	86.96	2
Billardiera floribunda		0.14	2	0.40	3
Billardiera varifolia		2.16	21	6.69	20
Boronia crenulata		10.66	3	20.00	2
Boronia crenulata var. gracilis		0.00	1	0.00	2
Boronia fastigiata		1.04	9	0.07	6
Boronia megastigma		0.50	2	0.00	2
Boronia molloyae		5.97	5	0.00	2
Boronia ovata		13.56	6	0.00	3
Boronia ramosa				0.00	1
Boronia scabra				0.00	1
Boronia spathulata				0.00	1
Boronia tenuis				0.00	1
Borya nitida				0.00	1
Borya sphaerocephala		0.00	1	0.00	1
Bossiaea aquifolium	boil	44.30	50	23.68	40
Bossiaea eriocarpa	boil	43.80	40	229.35	40
Bossiaea laidlawiana	boil			0.00	1
Bossiaea linophylla		1.46	2	3.50	2
Bossiaea ornata	boil	32.55	97	132.12	78
Bossiaea pulchella	boil	57.21	31	34.20	27
Bossiaea spinescens	boil	37.50	13	132.65	13

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Brachycome bellidioides		100.00	1		
Brachyscome iberidifolia		38.00	3	2765.47	5
Bracteantha bracteata		94.19	1	522.00	3
Bracteantha bracteata var albida		100.00	4		
Burchardia conjesta				0.00	1
Burchardia multiflora		46.57	7	78.60	5
Burchardia umbellata		44.44	6	199.49	10
Caesia parviflora				0.00	1
Caladenia brownii ms				0.00	1
Caladenia flava		0.00	1	0.00	2
Caladenia latifolia				5600.00	1
Caladenia macrostylis				0.00	1
Caladenia reptans				0.00	1
Caladenia sericea				0.00	1
Caladenia species				0.00	1
Callistachys lanceolata		82.14	2	105.05	7
Callistemon candy pink		62.96	1	1700.00	1
Callistemon citrinus		85.54	2	3750.00	2
Callistemon pallidus		25.93	1	245.00	1
Callistemon phoeniceus		60.00	7	4500.00	3
Callistemon pinifolius		64.52	3	4733.33	3
Callistemon rigidus		44.92	2	5250.00	2
Callistemon salignus		58.82	1	1000.00	1
Callistemon speciosus		53.77	10	5286.01	8
Callistemon viminalis		21.05	1	400.00	1
Callistemon western glory		64.29	1	1800.00	1
Callitris preissii		12.43	9	10.65	9
Callitris roei		94.12	1	1600.00	1
Calothamnus asper		61.90	1	1300.00	1
Calothamnus gracilis		100.00	1	633.33	1
Calothamnus graniticus ssp leptophyllus		0.00	7	0.00	1
Calothamnus lateralis		33.56	3	9366.67	3
Calothamnus planifolius		17.00	4	3.22	4
Calothamnus quadrifidus		25.63	39	572.28	29
Calothamnus rupestris		46.81	14	323.52	3
Calothamnus sanguineus		53.18	15	589.75	12
Calothamnus torulosus		32.17	2	200.00	1
Calothamnus villosus		43.56	3	470.84	5
Calytrix depressa		0.00	1	0.44	2
Calytrix flavescens		0.00	1	0.00	1
Calytrix fraseri		6.25	2	5.00	2
Calytrix oldfieldii		0.00	1	0.00	1
Calytrix tetragona		0.00	2	0.00	1
Calytrix tetragona white		6.39	3	40.00	2
Carex fascicularis		100.00	1		
Carpobrotus aequilaterus		30.00	2	993.38	2
Carpobrotus edulis		26.43	6	1316.50	6
Carpobrotus virescens	heat	20.93	9	453.83	12
Cassytha glabella		0.00	9	0.00	1
Cassytha melantha				0.00	1
Cassytha racemosa		3.42	4	0.82	5
Casuarina cristata		61.25	5	220.00	5
Casuarina cunninghamiana		3.23	2	100.00	2
Casuarina equisetifolia		22.67	4	90.00	3
Casuarina glauca		20.56	6	216.67	6
Casuarina lehmanniana		22.00	1	220.00	1
Casuarina obesa		49.21	14	410.32	13
Caustis dioica		0.00	6	0.00	1
Centrolepis alepyroides				0.00	1
Centrolepis aristata				0.00	1
Centrolepis drummodniana				0.00	1
Centrolepis pilosa				0.00	1
Chamaecytisus palmensis				0.00	1
Chamaescilla corymbosa		57.31	21	1176.45	23
Chamaescilla spiralis				41.33	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Chamelaucium uncinatum		0.00	14	0.00	2
Chenopodium ambrosioides				0.00	1
Chenopodium pumilio				0.00	1
Chorizandra enodis		5.33	1	18.67	1
Chorizema aciculare	boil	19.15	17	47.89	13
Chorizema dicksonii	boil	45.95	36	90.45	31
Chorizema ilicifolium	boil	50.19	25	174.87	30
Chorizema rhombeum	boil	66.64	9	48.42	9
Chrysocephalum apiculatum		0.00	1		
Clematis aristata		0.00	1	0.00	1
Clematis linearifolia				0.00	1
Clematis pubescens		26.82	19	56.75	41
Comesperma calymega				8.67	4
Comesperma confertum				0.00	1
Comesperma pubescens				2.67	1
Comesperma virgatum		4.95	2	53.42	5
Conospermum capitatum		71.50	2	62.70	2
Conospermum flexuosum				0.00	1
Conospermum stoechadis		5.34	2	1.88	2
Conospermum triplinervium				0.00	1
Conostylis aculeata	smoke	18.91	12	712.23	12
Conostylis candicans		3.33	7	147.93	7
Conostylis capitatum				0.00	1
Conostylis caricina				0.00	1
Conostylis discolor				0.00	1
Conostylis phathyantha				0.00	1
Conostylis serrulata		11.20	5	99.29	5
Conostylis setigera		31.41	4	410.25	2
Conostylis setigera (C.psyllum)				0.00	1
Conostylis setosa	smoke	67.43	7		
Cortaderia selloana				0.00	1
Corybas dilatatus				0.00	1
Corymbia aspera		0.67	1	11.11	1
Corymbia calophylla		60.25	66	19.36	55
Corymbia calophylla var rosea		93.27	3	34.00	3
Corymbia citriodora		92.65	3	200.00	2
Corymbia ficifolia		70.12	3	78.33	2
Corymbia haemotoxylon				46.67	1
Corymbia maculata		88.88	4	183.33	3
Craspedia pleiocephala				0.00	1
Craspedia variabilis		51.83	6	649.72	5
Crassula colorata				0.00	1
Crassula decumbens				0.00	1
Crassula exserta				0.00	1
Crassula peduncularis				0.00	1
Crassula sieberiana				0.00	1
Crowea angustifolia				0.00	1
Cryptandra arbutifolia		5.93	5	43.17	6
Cryptostylis ovata				0.00	1
Cyanicula sericea				0.00	1
Cyathochaeta avenacea		57.62	5	47.11	8
Cyrtostylis robusta				0.00	1
Cytisus proliferus		36.11	2	11.00	2
Dampiera alata				0.00	1
Dampiera cuneata				0.00	1
Dampiera hederaceae				0.00	1
Dampiera linearis (D.cuneata)				0.00	1
Darwinia citriodora		1.67	2		
Darwinia thymoides				0.00	1
Dasyogon bromeliifolius		0.00	1	0.00	3
Daucus glochidiatus				0.00	1
Daviesia brevifolia		0.00	1		
Daviesia chordophylla				0.00	1
Daviesia cordata	heat	31.40	49	16.59	37
Daviesia costata	boil	1.33	1	1.00	2
Daviesia decurrens	heat	25.03	9	9.44	10

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Daviesia divaricata	boil	28.00	12	10.86	12
Daviesia horrida	boil	66.75	3	32.59	9
Daviesia incrassata	boil	36.07	5	19.30	6
Daviesia longifolia	boil	21.48	18	53.18	16
Daviesia nudiflora	boil	21.75	4	57.24	4
Daviesia physodes	boil	30.66	7	40.65	17
Daviesia polyphylla	boil	1.33	1	1.30	1
Daviesia preissii	boil	42.12	9	18.66	15
Daviesia rhombifolia	boil	36.69	8	16.62	8
Daviesia triflora	boil	25.67	2	10.85	2
Deyeuxia quadriseta		90.00	1		
Dianella caerulea				0.00	1
Dianella divaricata				0.00	1
Dianella revoluta		0.89	19	0.74	19
Dichelachne crinita		100.00	1		
Dichopogon capillipes		40.28	20	322.95	15
Dichopogon preissii		18.75	1		0
Digitaria sanguinalis				0.00	1
Dillwynia cinerascens		26.62	13	53.04	12
Dillwynia glaberrima				0.00	1
Dillwynia sericea		3.13	1		
Dioscorea hastifolia		61.54	1	80.00	1
Diplolaena dampieri				0.00	1
Diplolaena microcephala				0.00	1
Diuris carinata				0.00	1
Diuris longifolia				0.00	1
Dodonaea aptera	boil	47.33	4	66.05	4
Dodonaea attenuata	boil	60.71	2	91.25	4
Dodonaea ceratocarpa	boil	80.67	1	123.49	1
Dodonaea hackettiana	boil	66.67	4	126.16	4
Dodonaea pinifolia	boil	12.00	2	31.60	2
Drakaea elastica				0.00	1
Drosera bulbosa				0.00	1
Drosera erythrorhiza		0.00	1	0.00	2
Drosera gigantea		0.00	1	2.47	3
Drosera glanduligera				1333.33	1
Drosera heterophylla				0.00	1
Drosera leucoblasta				0.00	1
Drosera macrantha		0.93	2	1611.67	4
Drosera macrantha ssp macrantha				0.00	1
Drosera menziesii				0.00	1
Drosera microphylla				0.00	1
Drosera pallidum				0.00	1
Drosera peltata		0.00	1		
Drosera platystigma				0.00	2
Drosera pulchella				0.00	1
Drosera stolonifera		5.67	1	811.11	1
Dryandra aff nivea		44.52	7	46.89	4
Dryandra armata		49.03	2	42.50	2
Dryandra bipinnatifida		93.33	1	16.00	1
Dryandra carduaceae		59.66	30	85.10	23
Dryandra formosa		73.67	8	80.00	3
Dryandra fraseri		59.66	20	41.14	13
Dryandra lindleyana	warm fruit	37.45	23	33.35	18
Dryandra nivea	warm fruit	47.39	6	57.09	6
Dryandra polycephala		67.13	8	80.00	2
Dryandra praemorsa				0.00	1
Dryandra quercifolia		35.89	4	25.00	2
Dryandra sessilis		42.26	23	32.96	22
Dryandra squarrosa		83.89	12	86.37	12
Elythranthera brunonis				0.00	1
Epacris impressa		0.00	1		
Epilobium billardierianum				0.00	1
Eriochilus dilatatus				0.00	1
Eriostemon spicatus	smoke	34.50	5	21.10	2

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Eryngium pinnatifidum		3.33	1	10.00	1
Eryngium rostratum				13.33	1
Eucalyptus accedens		60.88	8	543.93	9
Eucalyptus angulosa		62.40	4	270.00	3
Eucalyptus annulata		80.31	4	690.00	4
Eucalyptus aspersa		8.17	4	32.50	4
Eucalyptus astringens		80.31	3	696.67	3
Eucalyptus baxteri				29.55	1
Eucalyptus bicostata		91.30	3	553.33	3
Eucalyptus botryoides		98.77	5	965.00	4
Eucalyptus brevistylis		78.57	1	330.00	1
Eucalyptus brockwayi		70.24	4	773.33	3
Eucalyptus burdettiana		92.76	3	390.00	1
Eucalyptus burracoppinensis		30.59	5	94.00	5
Eucalyptus caesia		81.34	4	227.50	4
Eucalyptus caesia silver princess					
		86.15	2	240.00	1
Eucalyptus calycogona		88.89	1	400.00	1
Eucalyptus camaldulensis		82.37	7	1326.70	7
Eucalyptus camaldulensis Lake Albacutya		83.39	3	1316.67	3
Eucalyptus camaldulensis Silverton					
		91.23	4	2107.50	4
Eucalyptus camaldulensis var obtusa		89.74	4	1495.00	4
Eucalyptus campaspe		73.16	4	577.50	4
Eucalyptus celastroides		83.52	2	940.00	2
Eucalyptus cladocalyx		98.63	1	720.00	1
Eucalyptus cladocalyx var nana		79.47	4	816.67	3
Eucalyptus cladophora				0.00	1
Eucalyptus clelandii		63.61	2	270.00	2
Eucalyptus conferruminata		66.51	5	375.00	4
Eucalyptus cornuta		57.14	1	120.00	1
Eucalyptus crucis		96.38	2	710.00	2
Eucalyptus decipiens		45.64	7	480.79	9
Eucalyptus diptera		80.28	4	737.50	4
Eucalyptus diversicolor		67.79	11	383.33	8
Eucalyptus drummondii		41.24	30	267.70	25
Eucalyptus dundasii		50.35	5	872.50	4
Eucalyptus ebbanoensis		80.03	4	465.00	4
Eucalyptus elata		70.65	1	650.00	1
Eucalyptus eremophila		90.00	3	1003.33	3
Eucalyptus erythronema		81.94	7	940.00	7
Eucalyptus erythronema var marginata		82.22	1	1110.00	1
Eucalyptus falcata		93.19	3	536.67	3
Eucalyptus famelica		93.81	2	1000.00	2
Eucalyptus flocktoniae		31.89	4	305.00	4
Eucalyptus foecunda		80.25	6	1001.67	6
Eucalyptus forrestiana		76.74	1	330.00	1
Eucalyptus gardneri		81.72	4	1052.50	4
Eucalyptus globulus		68.44	12	354.17	10
Eucalyptus gomphocephala		42.02	16	228.25	13
Eucalyptus gracilis var yilgarnensis					
		99.34	1	2990.00	1
Eucalyptus gracillis		71.72	5	1360.00	5
Eucalyptus grandis		73.44	4	910.00	4
Eucalyptus graniticola				0.00	1
Eucalyptus grossa		87.66	3	1250.00	3
Eucalyptus guilfoylei		53.85	1	280.00	1
Eucalyptus halophylla		69.66	3	1725.00	2
Eucalyptus intertexta		92.41	2	850.00	2
Eucalyptus jacksonii		57.97	1	400.00	1
Eucalyptus kochii		81.74	1	940.00	1
Eucalyptus kondininensis		88.79	5	862.50	4
Eucalyptus kruseana		74.61	2	840.00	2

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Eucalyptus laeliae		71.15	2	1090.00	2
Eucalyptus lane-poolei		90.02	3	510.00	3
Eucalyptus lansdowneana		100.00	3	1125.00	2
Eucalyptus largiflorens		36.65	3	643.33	3
Eucalyptus latens		8.00	1	31.00	1
Eucalyptus lehmannii		85.84	3	363.33	3
Eucalyptus leptopoda		93.26	3	1023.33	3
Eucalyptus lesouefii		95.92	1	470.00	1
Eucalyptus leucoxyton		89.89	3	673.33	3
Eucalyptus leucoxyton var megalocarpa		90.61	2	450.00	2
Eucalyptus leucoxyton var rosea		92.47	5	1178.00	5
Eucalyptus longicornis		75.04	4	827.50	4
Eucalyptus loxophleba		94.32	6	1508.33	6
Eucalyptus loxophleba var lissophloia		88.30	1	1510.00	1
Eucalyptus loxophleba var loxophleba		97.55	1	2390.00	1
Eucalyptus loxophleba var pruinosa		85.42	1	410.00	1
Eucalyptus macrandra		82.35	3	726.67	3
Eucalyptus macrocarpa		80.43	3	183.33	3
Corymbia maculata		13.33	1	47.16	2
Eucalyptus marginata		30.50	67	32.51	50
Eucalyptus megacarpa		40.31	5	141.10	4
Eucalyptus megacornuta		89.57	2	345.00	2
Eucalyptus melanoxylon		81.01	3	1060.00	3
Eucalyptus melliodora		95.48	4	1542.50	4
Eucalyptus microcarpa		73.69	4	1753.33	3
Eucalyptus microcorys		83.00	1	830.00	2
Eucalyptus microtheca		74.72	4	587.50	4
Eucalyptus microtheca var coolibah		90.63	1	1160.00	1
Eucalyptus muelleriana				0.00	1
Eucalyptus nicholii		87.09	2	1260.00	2
Eucalyptus nutans		79.08	5	1134.00	5
Eucalyptus occidentalis		97.79	5	986.00	5
Eucalyptus oldfieldii		49.90	2	230.00	2
Eucalyptus oleosa		95.97	5	797.50	5
Eucalyptus patens		12.29	22	42.28	19
Eucalyptus pileata		24.24	1	160.00	1
Eucalyptus platypus		73.53	2	1110.00	2
Eucalyptus platypus var heterophylla		76.41	3	866.67	3
Eucalyptus polyanthemos		91.32	2	1380.00	2
Eucalyptus preissiana		83.45	2	510.00	2
Eucalyptus pyriformis		47.81	2	110.00	2
Eucalyptus redunca		94.87	5	1266.00	5
Eucalyptus resinifera		78.12	7	1595.00	7
Eucalyptus rhodantha		56.00	1	140.00	1
Eucalyptus robusta		95.11	3	963.33	2
Eucalyptus rudis		53.07	12	634.38	14
Eucalyptus saligna		94.42	3	1476.67	4
Eucalyptus salmonophloia		75.33	7	1378.57	7
Eucalyptus salubris		89.30	3	1116.67	3
Eucalyptus sargentii		96.88	5	1632.00	5
Eucalyptus sheathiana		86.36	1	570.00	1
Eucalyptus sideroxyton		61.88	3	1385.00	2
Eucalyptus sideroxyton var rosea		95.20	5	1032.00	5
Eucalyptus sideroxyton var sideroxyton		100.00	1	1560.00	1
Eucalyptus spathulata		96.17	8	1890.00	7
Eucalyptus spathulata var grandiflora		93.13	3	1383.33	3
Eucalyptus species aff oleosa		0.00	1		
Eucalyptus steedmanni		83.78	2	1075.00	2

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Eucalyptus stoatei		99.88	2	350.00	2
Eucalyptus stricklandii		78.10	3	496.67	3
Eucalyptus tereticornis		93.69	4	1125.00	4
Eucalyptus tetragona		87.88	1	290.00	1
Eucalyptus tetraptera		86.94	2	205.00	2
Eucalyptus todtiana		24.55	4	20.00	2
Eucalyptus torquata		80.71	5	737.50	3
Eucalyptus torwood		73.56	3	233.33	3
Eucalyptus transcontinentalis		10.66	3	73.33	3
Eucalyptus viminalis		92.51	4	937.50	4
Eucalyptus wandoo		76.66	30	981.27	24
Eucalyptus websterana		93.33	1	1260.00	1
Eucalyptus wilsonii				25.18	1
Eucalyptus woodwardii		85.72	3	423.33	3
Eucalyptus yilgarnensis		95.31	1	2440.00	1
Eutaxia obovata				0.00	1
Eutaxia virgata				0.00	1
Exocarpus cupressiformis				0.00	1
Exocarpus sparteus		0.00	1	0.00	1
Gahnia decomposita		0.00	1	0.00	2
Galium murale				0.00	1
Gastrolobium bilobum	boil	49.22	27	95.26	27
Gastrolobium calycinum	boil	44.50	19	31.16	20
Gastrolobium spinosum	boil	39.07	24	42.60	25
Gastrolobium villosum	boil	32.88	2	14.59	3
Glischrocaryon aureum		0.06	3	0.00	3
Gnaphalium coarctatum				0.00	1
Gnaphalium sphaericum				0.00	1
Gompholobium capitatum	boil	50.91	18	272.62	12
Gompholobium confertum	boil	16.50	2	72.20	2
Gompholobium ecostatem	boil			59.26	1
Gompholobium knightianum	boil	59.93	19	162.02	25
Gompholobium marginatum	heat	43.76	42	122.02	30
Gompholobium polymorphum	heat	94.67	1	204.29	1
Gompholobium preissii	boil	44.23	16	189.85	14
Gompholobium tomentosum	heat	33.89	12	125.07	17
Gompholobium venustum	boil	50.35	20	262.74	17
Gonocarpus benthamii				0.00	1
Gonocarpus cordiger		0.29	7	2.72	7
Goodenia caerulea				0.00	1
Goodenia eatoniana				0.00	1
Goodenia filiformis				0.00	1
Grevillea banksii		16.67	1	4.00	1
Grevillea banksii forsteri		25.03	4	6.89	3
Grevillea bipinnatifida		12.12	14	8.07	14
Grevillea crithmifolia		8.70	1	1.00	2
Grevillea drummondii				0.00	1
Grevillea insignis		0.00	1	1.67	2
Grevillea leucopterus		5.56	2	1.00	2
Grevillea manglesioides		10.67	1	9.08	1
Grevillea monticola	smoke	16.00	2	3.51	2
Grevillea obtusifolia				0.00	1
Grevillea pilulifera	smoke	26.44	3	11.71	3
Grevillea pulchella	smoke	27.50	4	9.27	4
Grevillea quercifolia	smoke	9.85	18	1.52	18
Grevillea robusta		17.12	3	21.67	2
Grevillea synapheae		0.12	2	6.67	2
Grevillea thelemanniana				0.00	1
Grevillea wilsonii	smoke	18.00	2	3.78	2
Haemodorum laxum		73.34	33	149.81	37
Haemodorum paniculatum		52.63	27	120.67	22
Haemodorum simplex		45.00	6	127.09	9
Haemodorum simulans		37.41	3	84.44	3
Haemodorum spicatum		47.49	3	47.04	5
Hakea amplexicaulis		70.39	16	28.50	16
Hakea bucculenta		100.00	1	750.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Hakea crassifolia		98.91	11	9.75	4
Hakea cyclocarpa		68.86	22	12.76	23
Hakea erinacea				42.31	1
Hakea francisiana		88.00	4	108.33	3
Hakea gilbertii		86.11	6	73.20	5
Hakea incrassata		48.48	20	15.81	12
Hakea laurina		41.67	3	23.33	3
Hakea lissocarpha		66.21	41	50.40	46
Hakea multilineata		42.52	5	35.00	5
Hakea petiolaris		85.00	1	63.89	3
Hakea preissii		74.76	3	78.00	3
Hakea prostrata		79.30	30	20.62	31
Hakea ruscifolia		72.42	14	38.61	19
Hakea stenocarpa		82.14	3	66.56	4
Hakea suaveolens		85.18	4	51.50	3
Hakea sulcata		96.67	17	254.39	1
Hakea trifurcata		69.05	26	58.14	24
Hakea undulata		72.96	50	58.01	40
Hakea varia		69.76	11	56.20	18
Hardenbergia comptoniana	boil	31.02	34	19.12	27
Hardenbergia violacea		24.81	4	12.00	3
Helichrysum baxteri		0.00	1		
Helichrysum dendroideum		32.80	1		
Helichrysum leucopsidium		0.00	1		
Helichrysum macranthum		2.98	6	51.52	7
Helichrysum macranthum var albidum		0.67	1	8.33	1
Helichrysum rosmarinifolium		0.00	1		
Helichrysum scopoides		14.44	1		
Helipterum corybosum				0.00	1
Helipterum cotula		57.00	2	1100.00	2
Helipterum rostratum				26.67	1
Helipterum rosum				0.00	1
Hemiandra pungens		3.92	8	11.47	7
Hemigenia canescens		0.00	1		
Hemigenia incana		3.08	3	6.83	4
Hemigenia ramosissima				0.00	1
Hemigenia rigida		0.09	20	1.76	17
Hemigenia sericea				0.00	1
Hibbertia acerosa		0.00	2	0.00	4
Hibbertia aff. gracilipes				0.00	1
Hibbertia aff. commutata		0.00	1	0.00	1
Hibbertia amplexicaulis		1.00	7	1.66	8
Hibbertia commutata		1.77	8	0.12	6
Hibbertia cuneiformis		0.00	1	0.00	2
Hibbertia glomerata				0.00	1
Hibbertia huegelii		0.67	2	0.53	2
Hibbertia hypericoides		0.00	4	0.00	4
Hibbertia lasiopus		0.59	3	0.23	3
Hibbertia obovata				0.00	1
Hibbertia pennigera				0.00	1
Hibbertia perfoliata				0.00	1
Hibbertia quadricolor				0.00	1
Hibbertia racemosa				0.00	1
Hibbertia rhadinopoda		0.00	1	0.00	2
Hibbertia serrata		0.00	1	0.00	2
Hibbertia silvestris				0.00	1
Hibbertia spicata		8.82	1	30.00	1
Hibbertia subvaginata		98.00	1	102.30	1
Hibbertia vaginata				0.00	1
Holcus setiger				0.00	1
Homalosciadium homalocarpum				0.00	1
Hovea chorizemifolia	boil	40.41	43	27.29	51
Hovea elliptica		28.83	2	19.00	2
Hovea pungens	boil	41.18	11	33.26	16
Hovea trisperma	boil	31.18	25	22.56	28

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Hovea trisperma var crispa		47.67	9	22.09	9
Hyalosperma cotula	smoke	26.64	15	3181.11	19
Hyalosperma demissum				0.00	1
Hybanthus calycinus		0.00	1	0.00	1
Hybanthus debilissimus				0.00	1
Hybanthus floribundus		1.88	13	1.82	12
Hydrocotyle callicarpa				0.00	1
Hydrocotyle tetragonocarpa				0.00	1
Hymenosporum flavum		0.00	1	0.00	1
Hypericum amplexicaulis				0.00	1
Hypericum gramineum				0.00	1
Hypocalymma angustifolium	smoke	25.21	37	111.90	34
Hypocalymma cordifolium				0.00	1
Hypocalymma robustum	smoke	34.67	1	225.10	1
Hypolaena exsulca				0.00	1
Hypoxis occidentalis		58.67	1	2256.41	1
Indigofera australis		17.31	1	8.30	2
Isolepis cyperoides				0.00	1
Isolepis marginata				0.00	1
Isolepis nodosa		54.62	7	2288.18	7
Isopogon buxifolius		2.00	1	25.00	1
Isopogon dubius		24.60	15	128.44	3
Isopogon formosus		11.49	11	278.60	9
Isopogon roseus				1.67	1
Isopogon scaber				0.00	1
Isopogon sphaerocephalus		0.83	3	0.15	3
Isotoma hypocrateriformis		31.30	11	2214.28	12
Jacksonia alata	boil	28.78	17	336.30	16
Jacksonia furcellata	boil	34.13	11	48.12	16
Jacksonia sericea	boil	26.00	1	83.82	1
Jacksonia sternbergiana	boil	32.95	9	32.73	9
Johnsonia lupulina		0.00	1	0.00	2
Juncus holoschoenus				0.00	1
Juncus pallidus		60.00	3	28295.00	2
Juncus planifolius				0.00	1
Juncus subsecundus				14114.00	1
Kennedia aff coccinea		25.33	1	11.00	1
Kennedia carinata	heat	72.67	1		
Kennedia coccinea	heat	61.18	4	37.91	4
Kennedia eximia		5.56	1	10.00	1
Kennedia nigricans	boil	12.04	3	10.22	4
Kennedia prostrata	heat	30.44	9	11.94	9
Kennedia rubicunda		7.77	4	3.75	4
Kennedia stirlingii		39.03	2	17.00	2
Kunzea baxteri		78.58	4	2900.00	3
Kunzea ericifolia		22.00	2	2233.40	6
Kunzea micrantha				3533.33	1
Kunzea parvifolia		4.96	1	600.00	1
Kunzea pulchella		59.37	2	2150.00	2
Kunzea recurva		55.75	35	858.55	18
Kunzea vestita		38.78	3	750.00	3
Labichea lanceolata	boil	79.00	1	58.33	5
Labichea lanceolata var lanceolata					
Labichea punctata	boil	68.44	2	11.75	2
Labichea punctata	boil	40.39	20	22.38	29
Lagenifera huegelii		77.54	20	766.14	24
Lagenifera stipitata				0.00	1
Lasiopetalum bracteatum		3.85	1	10.00	1
Lasiopetalum cardiophyllum				0.00	1
Lasiopetalum floribundum		2.94	1	5.00	3
Lasiopetalum glabratum				0.00	1
Laxmannia squarrosa		5.00	10	175.87	11
Lechenaultia biloba		2.34	18	3.17	17
Lechenaultia floribunda				0.00	1
Lepidosperma angustatum				0.00	1
Lepidosperma effusum		0.00	1	0.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Lepidosperma gladiatum		40.67	1	295.57	3
Lepidosperma gracile				0.00	1
Lepidosperma leptostachyum				0.00	1
Lepidosperma longitudinale				0.00	1
Lepidosperma semiteres		0.00	1		
Lepidosperma squamatum		0.22	2	0.00	2
Lepidosperma tenue		0.00	1		
Lepidosperma tetraquetrum		0.18	2		
Lepidosperma tuberculatum				0.00	1
Leporella fimbriata		0.00	2	0.00	1
Leptomeria cunninghamii		4.10	17	0.47	19
Leptorhynchos tenuifolius		0.00	1		
Leptospermum erubescens		9.19	14	15.23	12
Leptospermum glaucescens		13.16	2	125.00	2
Leptospermum juniperinum		95.56	1		
Leptospermum laevigatum		43.27	3	716.67	3
Leptospermum roseum		12.50	1	100.00	1
Leptospermum rotundifolium		55.05	2	275.00	2
Leucopogon australis				0.00	2
Leucopogon capitellatus		0.48	7	0.54	7
Leucopogon nutans		0.00	6	0.00	7
Leucopogon oxycedrus		0.01	2		
Leucopogon propinquus		0.00	5	0.00	5
Leucopogon pulchellus		0.34	2	0.00	1
Leucopogon verticillatus		1.42	10	0.81	11
Levenhookia pusilla				637.05	8
Levenhookia stipitata		6.00	2		0
Lindsaea linearis				0.00	1
Linum marginale		16.67	1	6.67	1
Lobelia alata				0.00	1
Lobelia heterophylla		2.96	3	0.00	1
Lobelia rhombifolia		3.39	3	125.56	7
Lobelia rhytidisperma		64.74	1	5050.00	2
Lobelia tenuior		7.33	1	183.33	2
Logania serpyllifolia		0.00	1		
Lomandra brittanii				0.00	1
Lomandra caespitosa				0.00	1
Lomandra drummondii				0.00	1
Lomandra hermaphrodita		0.00	1	0.00	2
Lomandra integra				0.00	1
Lomandra longifolia				0.00	1
Lomandra micrantha				0.00	2
Lomandra multiflora				25.00	1
Lomandra nigricans				0.00	2
Lomandra odora				0.00	1
Lomandra preissii				0.00	2
Lomandra purpurea				0.00	2
Lomandra sericea				0.00	1
Lomandra sonderi				0.00	2
Lomandra spartea				0.00	1
Loxocarya cinerea				0.00	1
Loxocarya fasciculata				0.00	1
Loxocarya flexuosa				0.00	1
Loxocarya pubescens				0.00	1
Luzula meridionalis			2	1931.99	2
Lyginia barbata				0.00	1
Lyperanthus nigricans				0.00	1
Lyperanthus serratus				0.00	1
Macrozamia riedlei		33.73	10	0.02	6
Maireana pyramidata		0.00	1	0.00	1
Marianthus bicolor	smoke	33.18	5	92.68	4
Melaleuca armillaris		70.31	3	3066.67	3
Melaleuca cardiophylla		19.34	2	221.65	2
Melaleuca coccinea		96.67	2	2150.00	2
Melaleuca cuticularis		100.00	1	2000.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Melaleuca diosmifolia		73.33	2	1600.00	2
Melaleuca elliptica		69.09	2	2150.00	2
Melaleuca ericifolia		28.89	1	1300.00	1
Melaleuca fulgens		97.26	1	7100.00	1
Melaleuca halmaturorum		66.93	5	2820.00	5
Melaleuca halmatorum				0.00	1
Melaleuca hamulosa		89.17	2	7100.00	2
Melaleuca holosericea		12.67	1	126.67	1
Melaleuca huegelii		57.59	6	775.25	8
Melaleuca hypericifolia		90.49	5	4480.00	5
Melaleuca incana		78.28	8	2132.92	9
Melaleuca lanceolata		54.68	7	1349.59	10
Melaleuca laterifolia		8.00	2	2472.26	6
Melaleuca lateritia		21.52	6	2126.89	6
Melaleuca nesophylla		54.22	5	646.67	9
Melaleuca pauciflora				0.00	1
Melaleuca pauperiflora		7.38	2	400.00	2
Melaleuca pentagona		35.78	2	1300.00	2
Melaleuca polycephala		26.00	1	20.00	1
Melaleuca preissiana		63.51	15	3983.82	13
Melaleuca pubescens		33.33	1	400.00	1
Melaleuca radula		27.60	16	1928.34	11
Melaleuca raphiophylla		40.73	11	2419.04	9
Melaleuca scabra		39.03	39	2435.52	34
Melaleuca stypheliodes		76.61	3	2533.33	2
Melaleuca systema		13.72	3	301.01	7
Melaleuca teretifolia		86.73	3	9366.67	3
Melaleuca thyioides		79.82	5	7880.00	5
Melaleuca thymoides		53.49	2	4500.00	2
Melaleuca trichophylla		8.80	5	2704.50	6
Melaleuca uncinata		77.14	3	2722.22	3
Melaleuca undulata		52.78	2	700.00	2
Melaleuca viminea		39.91	14	3077.25	19
Mesomelaena graciliceps				0.00	1
Mesomelaena tetragona		0.00	1		
Microlaena stipoides		64.33	4	64.41	3
Microseris scapigera		60.00	1		
Microtis media				0.00	1
Microtis unifolia				0.00	1
Millotia tenuifolia				0.00	1
Millotia tenuifolia var. tenuifolia				0.00	1
Mirbelia dilatata	boil	59.12	33	206.96	26
Mitrasacme paradoxa				0.00	1
Monopsis simplex				0.00	1
Monotaxis grandiflora				0.00	1
Monotaxis occidentalis				0.00	1
Nemcia dilatata		38.09	2	37.71	7
Nemcia ilicifolia				14.00	2
Nemcia retusa		5.00	1	18.00	1
Neurachne alopecuroidea		28.57	33	75.37	30
Nuytsia floribunda		29.41	6	41.02	11
Olax benthamiana		0.22	6	0.10	7
Olearia axillaris		21.13	7	72.73	8
Olearia myrsinoides		15.00	1		
Olearia paucidentata		0.11	2	0.13	3
Olearia phlogopappa		0.00	1		
Olearia ramulosa		0.00	1		
Olearia rudis		2.18	3	90.76	3
Olearia tertifolia		0.00	1		
Opercularia apiciflora				0.00	1
Opercularia echinocephala		12.73	12	668.84	12
Opercularia hispidula				0.00	2
Opercularia vaginata		0.17	4	2.60	4
Orthrosanthus laxus		6.52	8	17.75	10
Orthrosanthus laxus var gramineus		17.50	2	33.83	2

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Oryza australiensis				0.00	1
Oxylobium capitatum		16.17	4	34.95	4
Oxylobium cuneatum	boil	62.50	2		
Oxylobium lanceolatum	boil	87.00	1		
Oxylobium linearifolium		16.67	2	72.67	2
Paraserianthes lophantha	boil	37.82	17	13.31	10
Patersonia babianoides				0.00	1
Patersonia fragilis				0.00	1
Patersonia juncea		0.00	1	0.00	1
Patersonia lanata				0.00	1
Patersonia occidentalis	smoke	2.29	7	7.25	7
Patersonia pygmaea	smoke	0.56	6	1.42	6
Patersonia rudis		0.00	1	0.63	5
Patersonia umbrosa		0.00	2	0.00	2
Pentapeltis peltigera		0.00	5	0.00	6
Pericalymma ellipticum		78.73	11	738.94	10
Persoonia elliptica		0.00	3	0.00	4
Persoonia longifolia		0.00	11	0.00	12
Petrophile biloba		20.56	2	25.00	3
Petrophile heterophylla		30.65	19	95.56	13
Petrophile linearis		0.17	6	0.34	6
Petrophile macranthum				0.67	1
Petrophile serruriae		7.63	19	12.95	13
Petrophile squamata		7.00	2	36.48	2
Petrophile striata		7.38	12	8.86	9
Philotheca spicata	smoke	34.50	5	21.10	2
Philotheca spicatum		6.07	5	84.04	2
Phoenix canariensis		0.00	1	0.00	1
Phyllanthus calycinus	smoke	9.55	22	45.39	20
Pimelea brachyphylla		23.00	1		
Pimelea brevistyla		0.00	1	0.00	2
Pimelea calcicola				0.00	1
Pimelea ciliata		0.42	2	0.08	2
Pimelea ferruginea		0.00	1	0.00	2
Pimelea imbricata		0.44	3	1.27	5
Pimelea imbricata var piligera		0.00	1	0.00	1
Pimelea lehmanniana				0.00	1
Pimelea rosea		0.00	1	0.00	1
Pimelea spectabilis		0.00	1	0.00	1
Pimelea suaveolens		0.00	2	0.00	2
Pimelea sylvestris	smoke	0.00	1	0.00	1
Pinus pinaster		45.83	2	11.00	2
Pinus radiata		75.00	1	18.00	1
Pittosporum phylliraeoides		65.80	3	31.33	3
Platylobium obtusangulum				6.25	1
Platysace compressa		0.00	1	0.00	2
Platysace juncea				0.00	1
Platysace tenuissima		4.55	2	2.22	4
Platytheca galioides		0.00	4	0.00	4
Poa labillardieri		83.33	1		
Podalyria grandiflora		0.00	1	0.00	1
Podocarpus elatus		0.00	1	0.00	1
Podolepis canescens		0.00	1	730.03	3
Podolepis gracilis		16.65	5	696.00	11
Podolepis gracilis "rosea"		42.33	1	633.33	1
Podolepis jaceoides		25.00	1		
Podolepis lessonii				28777.78	3
Podolepis nutans		52.00	5	288.00	1
Podotheca angustifolia				145.92	3
Podotheca chrysantha		29.33	1	894.31	1
Podotheca gnaphalioides		7.17	8	84.11	8
Polygonum prostratum				0.00	1
Poranthera huegelii		0.00	1	0.00	2
Poranthera microphylla				0.00	1
Prasophyllum brownii				0.00	1
Prasophyllum elatum				0.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Prasophyllum parvifolium				0.00	1
Pronaya elegans				0.00	1
Pronaya fraseri		0.00	1	0.00	2
Pteridium esculentum				0.00	1
Pterochaeta paniculata		30.90	9	1113.80	11
Pterostylis barbata				0.00	1
Pterostylis nana				0.00	1
Pterostylis recurva				0.00	1
Pterostylis vittata				0.00	1
Ptilotus decipiens		2.67	2	8.55	2
Ptilotus declinatus		8.80	5	10.20	5
Ptilotus drummondii		3.60	29	11.89	29
Ptilotus manglesii		3.03	11	5.55	11
Pultenaea ciliata		66.00	1	660.00	1
Pultenaea daphnoides				86.15	1
Pultenaea ericifolia		2.00	1	14.29	1
Pultenaea mollis				0.77	1
Pyrorchis nigricans					
Quinetia urvillei					
Ranunculus colonorum					
Regelia ciliata		70.19	8	417.38	5
Rhagodia baccata		11.18	7	74.83	7
Rhodanthe chlorocephala roseum		0.00	1	0.00	1
Rhodanthe citrina				0.00	1
Rhodanthe corymbosa				0.00	1
Rumex conglomeratus				0.00	1
Sagina procumbens				0.00	1
Santalum acuminatum	silica + GA	53.33	1	0.13	1
Scaevola calliptera		0.00	3	0.00	4
Scaevola crassifolia		5.57	10	9.05	9
Scaevola fasciculata		0.00	1	0.00	1
Scaevola microphylla				0.00	1
Scaevola pilosa		0.00	1	0.00	2
Scaevola platyphylla		0.00	1	0.00	2
Scaevola striata				0.00	1
Schinus molle		49.63	2	28.00	2
Schoenia filifolia ssp subulifolia		51.52	1	340.00	1
Schoenus discifer				0.00	1
Schoenus grandiflorus				0.00	1
Schoenus latitans				0.00	1
Schoenus rodwayanus				0.00	1
Scholtzia involucrata		5.00	2	1.00	2
Senecio hispidulus		26.39	3	159.50	5
Senecio lautus		8.34	2	287.36	2
Senecio leucoglossus				0.00	1
Senecio quadridentatus				0.00	1
Senna artemisioides		33.94	2	22.50	2
Siloxerus humifusus				77.33	2
Sollya heterophylla		14.14	43	34.13	32
Sowerbaea laxiflora		2.86	7	36.23	7
Sphaerolobium macranthum		16.67	1	9.50	3
Sphaerolobium medium	boil			329.41	1
Sphaerolobium scabriusculum				52.00	1
Sphaerolobium vimineum	boil	55.33	4	357.73	4
Spyridium globulosum	heat	41.43	2	205.17	2
Spyridium tricolor		0.00	4	0.00	4
Stachystemon vermicularis				0.00	2
Stackhousia clementii		0.00	1		
Stackhousia huegii				26.50	1
Stackhousia monogyna		0.53	14	1.90	15
Stackhousia pubescens		0.00	6	0.00	6
Stackhousia scoparia		0.00	1	0.00	1
Stirlingia latifolia		1.69	6	1.80	3
Stirlingia simplex		0.34	2	1.84	5
Streptoglossa cylindriceps				0.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
Stuartina muelleri				0.00	1
Stylidium affine		6.32	20	28.35	13
Stylidium amoenum	smoke	9.89	4	7777.80	6
Stylidium bolgartense				0.00	1
Stylidium brunonianum				0.00	1
Stylidium bulbiferum		0.00	3	0.00	4
Stylidium caespitosum				0.00	1
Stylidium calcaratum	smoke	21.89	3	3996.46	8
Stylidium ciliatum				0.00	1
Stylidium dichotomum		0.00	1	0.00	1
Stylidium diuroides				0.00	1
Stylidium graminifolium				20.60	1
Stylidium hispidum	smoke	70.00	1	4666.67	1
Stylidium imbricatum		1.33	5	23.61	4
Stylidium junceum	GA	76.00	1	7600.00	1
Stylidium lineatum				0.00	1
Stylidium miniatum		0.00	1		
Stylidium pilliferum				5777.78	1
Stylidium repens				0.00	2
Stylidium schoenoides	smoke	42.00	1		
Stylidium uniflorum		1.24	5	1.78	3
Stypantra glauca		0.00	3	24.44	3
Styphelia tenuiflora		0.16	19	0.02	19
Swainsonia formosa		61.11	2	60.00	2
Synaphea aff petiolaris		1.67	2	2.00	2
Synaphea petiolaris		0.67	3	0.68	4
Taxandria flexuosa		24.82	6	585.90	11
Taxandria linearifolia		24.41	9	1279.04	8
Templetonia drummondii	boil	20.13	5	11.36	5
Templetonia retusa	boil	41.97	14	20.00	14
Templetonia sulcata	boil	0.00	1	0.00	1
Tetralia capillaris				0.00	1
Tetralia octandra				0.00	1
Tetralia laevis	rub	5.68	5	10.73	5
Tetralia distichophylla				0.00	1
Tetralia laevis		1.67	8	0.10	7
Tetralia confertifolia		6.67	1	5.33	1
Tetralia hirsuta		3.01	10	4.14	11
Tetralia virgata		0.33	4	0.58	4
Thelymitra benthamiana		0.00	1	0.00	1
Thelymitra crinita		0.00	1	0.00	2
Thelymitra macrophylla				0.00	1
Thelymitra nuda		7.00	4	57.75	4
Themeda triandra		1.25	2	0.00	1
Thomasia foliosa		0.00	1	0.00	1
Thomasia glutinosa		2.22	2	12.89	6
Thomasia paniculata				0.00	1
Thomasia pauciflora				0.00	1
Thryptomene saxicola		1.43	2	5.00	2
Thysanotus anceps				0.00	1
Thysanotus asper		39.33	1	317.20	1
Thysanotus dichotomus				0.00	1
Thysanotus fastigiatus		1.30	10	5.72	14
Thysanotus junifolius			0	0.00	1
Thysanotus manglesianus			0	50.17	5
Thysanotus multiflorus		5.58	11	27.58	10
Thysanotus patersonii		48.91	7	407.40	7
Thysanotus sparteus				0.00	2
Thysanotus tenellus				14.67	1
Thysanotus thyrsoideus		53.34	2	755.46	2
Thysanotus tuberosa				0.00	1
Trachymene coerulea		14.78	6	84.22	6
Trachymene pilosa		41.40	15	293.85	18
Trichocline spathulata	boil	18.22	3	27.27	2
Tricoryne elatior		1.34	2	2.40	2
Tricoryne humilis				0.00	1

Species	Treatment	Germination %	Tests	Germinants per gram	Tests
<i>Tripterococcus brunonis</i>	GA	0.34	2	1.55	2
<i>Tristania conferta</i>		75.10	2	200.00	2
<i>Trymalium floribundum</i>	boil	29.35	31	175.88	25
<i>Trymalium ledifolium</i>	boil	21.78	43	165.03	41
<i>Typha domingensis</i>				0.00	1
<i>Velleia trinervis</i>	smoke	67.22	25	168.36	21
<i>Verbascum virgatum</i>		39.84	2	18.10	1
<i>Veronica persica</i>				0.00	1
<i>Verticordia densiflora</i>		0.33	4	1.50	2
<i>Verticordia huegelii</i>		0.00	1	0.00	1
<i>Verticordia huegelii</i> var <i>decumbens</i>		0.67	2	0.83	2
<i>Verticordia pennigera</i>		0.00	2	0.00	5
<i>Verticordia picta</i>		0.00	5	0.00	4
<i>Verticordia plumosa</i>				0.00	1
<i>Verticordia serrata</i>		0.15	9	0.37	9
<i>Villarsia calthifolia</i>		0.00	1	0.00	1
<i>Viminaria juncea</i>	boil	37.44	17	44.56	34
<i>Wahlenbergia preissii</i>				0.00	1
<i>Waitzia acuminata</i>		53.00	8	2925.00	2
<i>Waitzia acuminata</i> var <i>albicans</i>		13.60	5	153.07	5
<i>Waitzia citrina</i>				5422.22	1
<i>Waitzia paniculata</i>				0.00	1
<i>Waitzia suaveolens</i>		21.47	2	966.67	2
<i>Wurmbea dioicea</i> ssp <i>alba</i>		66.67	1	370.37	1
<i>Wurmbea pygmaea</i>				0.00	1
<i>Xanthorrhoea australis</i>				408.33	1
<i>Xanthorrhoea gracilis</i>		36.18	34	39.73	31
<i>Xanthorrhoea minor</i>				350.00	1
<i>Xanthorrhoea preissii</i>		46.61	42	44.53	38
<i>Xanthosia atkinsoniana</i>		0.00	24	0.00	24
<i>Xanthosia candida</i>		0.00	1	0.00	2
<i>Xanthosia ciliata</i>				0.00	1
<i>Xanthosia huegelii</i>		0.00	1	0.00	2
<i>Xylomelum angustifolium</i>		9.65	3	17.67	3
<i>Xylomelum occidentale</i>		63.87	9	38.44	13

Table 2. Research Germination Testing from Alcoa's Marrinup Nursery

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Acacia alata		* 3 reps @ 50 seed, sown on water agar in petri dishes, in alternating light, in incubator at 15/5 C				
	1990/05	Control	880174	25.00%		
	1990/05	Control	900261	16.00%		
	1990/05	30 s boil	880174	65.00%		
	1990/05	30 s boil	900261	76.00%		
	1990/05	30 s boil	010032	80.70%		
	1990/05	30 s boil	030165	51.30%		
	2003/08	1 minute boil	88174	63.00%		
	2003/08	1 minute boil	90261	73.00%		
	1990/05	2 min boil	88174	70.00%		
	1990/05	2 min boil	90261	78.00%		
	1990/05	5 min boil	88174	58.00%		
	1990/05	5 min boil	90261	71.00%		
Acacia browniana	1990/05	Control	90197	7.00%		
	1990/05	Control	90239	16.00%		
	1990/05	30 s boil	90197	75.00%		
	1990/05	30 s boil	90239	64.00%		
	1990/05	60 s boil	90197	82.00%		
	1990/05	60 s boil	90239	73.00%		
	1990/05	2 min boil	90197	94.00%		
	1990/05	2 min boil	90239	80.00%		
	1990/05	5 min boil	90197	90.00%		
	1990/05	5 min boil	90239	73.00%		
Acacia celastrifolia	1990/05	Control	90240	4.00%		
	1990/05	Control	90290	11.00%		
	1990/05	30 s boil	90240	91.00%		
	1990/05	30 s boil	90290	91.00%		
	1990/05	60 s boil	90240	91.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	60 s boil	90290	89.00%		
	1990/05	2 min boil	90240	90.00%		
	1990/05	2 min boil	90290	91.00%		
	1990/05	5 min boil	90240	85.00%		
	1990/05	5 min boil	90290	85.00%		
Acacia divergens	1990/05	Control	91389	11.00%		
	1990/05	30s boil	91389	90.00%		
	1990/05	1 min boil	91389	87.00%		
	1990/05	2 min boil	91389	83.00%		
Acacia drummondii	1990/05	Control	88198	10.00%		
	1990/05	Control	89146	10.00%		
	1990/05	30 s boil	88198	94.00%		
	1990/05	30 s boil	89146	91.00%		
	1990/05	1 min boil	88198	89.00%		
	1990/05	1 min boil	89146	92.00%		
	1990/05	2 min boil	88198	87.00%		
	1990/05	2 min boil	89146	84.00%		
	1990/05	5 min boil	88198	81.00%		
	1990/05	5 min boil	89146	77.00%		
	1991/08	Control	91227	10.00%		
	1990/05	Control	91311	5.00%		
	1990/05	Control	91176	6.00%		
	1991/08	30 s boil	91227	60.00%		
	1991/08	30 s boil	91311	51.00%		
	1991/08	30 s boil	91176	77.00%		
	1991/08	1 min boil	91227	37.00%		
	1991/08	1 min boil	91311	49.00%		
	1991/08	1 min boil	91176	77.00%		
	1991/08	2 min boil	91227	61.00%		
	1991/08	2 min boil	91311	45.00%		
	1991/08	2 min boil	91176	74.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	scarify	91227	24.00%		
	1990/05	scarify	91311	9.00%		
	1990/05	scarify	91176	18.00%		
Acacia extensa	2005/09	Control	88062	4.00%		
	2005/09	Control	026597	5.98%		
	2005/09	Control	030053	9.33%	90	10.37
	2005/09	Control	88065	4.00%		
	1990/05	Control	89149	10.00%		
	1990/05	Control	90276	5.00%		
	1990/05	30 s boil	88062	69.00%		
	1990/05	30 s boil	88065	50.00%		
	1990/05	30s boil	30053	68.67%	90	76.3
	1990/05	30 s boil	89149	71.00%		
	1990/05	30 s boil	90276	96.00%		
	1990/05	1 min boil	88062	64.00%		
	1990/05	1 min boil	88065	45.00%		
	1990/05	1 min boil	89149	53.00%		
Acacia horridula	1990/05	1 min boil	90276	92.00%		
	1990/05	2 min boil	88062	53.00%		
	1990/05	2 min boil	88065	37.00%		
	1990/05	2 min boil	89149	51.00%		
	1990/05	2 min boil	90276	90.00%		
	1990/05	5 min boil	88062	55.00%		
	1990/05	5 min boil	88065	21.00%		
	1990/05	5 min boil	89149	53.00%		
	1990/05	5 min boil	90276	85.00%		
	1990/05	80C heat pulse / 45 mins	030053	30.67%	90	34.07
Acacia lasiocarpa	1991/03	Control	88103	31.00%		
	1991/03	Control	90027	8.00%		
	1991/03	30 s boil	88103	70.00%		
	1991/03	30 s boil	90027	94.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/03	1 min boil	88103	69.00%		
	1991/03	1 min boil	90027	95.00%		
	1991/03	2 min boil	88103	48.00%		
	1991/03	2 min boil	90027	85.00%		
	1991/03	scarify	88103	39.00%		
	1991/03	scarify	90027	20.00%		
Acacia lateriticola	1990/05	Control	90226	10.00%		
	1990/05	Control	90242	12.00%		
	1990/05	30 s boil	90226	81.00%		
	1990/05	30 s boil	90242	81.00%		
	1990/05	1 min boil	90226	76.00%		
	1990/05	1 min boil	90242	71.00%		
	1990/05	2 min boil	90226	75.00%		
	1990/05	2 min boil	90242	76.00%		
	1990/05	5 min boil	90226	78.00%		
	1990/05	5 min boil	90242	78.00%		
Acacia microbotrya	1990/05	Control	90163	5.00%		
	1990/05	Control	90268	24.00%		
	1990/05	30 s boil	90163	66.00%		
	1990/05	30 s boil	90268	51.00%		
	1990/05	1 min boil	90163	77.00%		
	1990/05	1 min boil	90268	54.00%		
	1990/05	2 min boil	90163	64.00%		
	1990/05	2 min boil	90268	37.00%		
	1990/05	5 min boil	90163	59.00%		
	1990/05	5 min boil	90268	31.00%		
Acacia myrtifolia	1990/05	Control	89278	14.00%		
	1990/05	Control	90263	12.00%		
	1990/05	30s boil	89278	76.00%		
	1990/05	30s boil	90263	95.00%		
	1990/05	1 min boil	89278	76.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	1 min boil	90263	92.00%		
	1990/05	2 min boil	89278	65.00%		
	1990/05	2 min boil	90263	88.00%		
	1990/05	5 min boil	89278	73.00%		
	1990/05	5 min boil	90263	89.00%		
Acacia nervosa	1991/03	control	90364	10.00%		
	1991/03	control	91391	21.00%		
	1991/03	30s boil	90364	53.00%		
	1991/03	30s boil	91391	92.00%		
	1991/03	1 min boil	90364	46.00%		
	1991/03	1 min boil	91391	94.00%		
	1991/03	2 min boil	90364	42.00%		
	1991/03	2 min boil	91391	88.00%		
	1991/03	scarify	90364	57.00%		
	1991/03	scarify	91391	75.00%		
Acacia obovata	1991/08	Control	91491	54.00%		
	2005/09	Control	040409	4.00%	100	4
	1991/08	30s boil	91491	42.00%		
	2005/09	30s boil	040409	72.67%	100	72.67
	1991/08	1 min boil	91491	53.00%		
	1991/08	2 min boil	91491	56.00%		
	1991/08	scarify	91491	40.00%		
	2005/09	80C heat pulse / 45 mins	040409	24.00%	100	24
Acacia pulchella	1990/05	control	89321	12.00%		
	1990/05	control	90224	8.00%		
	1990/05	30 s boil	89321	82.00%		
	1990/05	30 s boil	90224	70.00%		
	1990/05	1 min boil	89321	81.00%		
	1990/05	1 min boil	90224	82.00%		
	1990/05	2 min boil	89321	80.00%		
	1990/05	2 min boil	90224	71.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	5 min boil	89321	71.00%		
	1990/05	5 min boil	90224	75.00%		
Acacia pulchella var glaberrima	1991/08	control	91535	4.00%		
	1991/08	control	91296	5.00%		
	1991/08	30 s boil	91296	94.00%		
	1991/08	30 s boil	91535	88.00%		
	1991/08	1 min boil	91535	82.00%		
	1991/08	1 min boil	91296	90.00%		
	1991/08	2 min boil	91296	79.00%		
	1991/08	2 min boil	91535	85.00%		
	1991/08	scarify	91296	16.00%		
	1991/08	scarify	91535	10.00%		
Acacia saligna	1990/05	control	90350	19.00%		
	1990/05	control	90264	49.00%		
	1990/05	30s boil	90350	73.00%		
	1990/05	30s boil	90264	52.00%		
	1990/05	1 min boil	90350	72.00%		
	1990/05	1 min boil	90264	40.00%		
	1990/05	2 min boil	90350	71.00%		
	1990/05	2 min boil	90264	40.00%		
	1990/05	5 min boil	90350	71.00%		
	1990/05	5 min boil	90264	27.00%		
Acacia urophylla	1990/05	control	90200	21.00%		
	1990/05	control	90266	21.00%		
	1990/05	30s boil	90200	72.00%		
	1990/05	30s boil	90266	75.00%		
	1990/05	1 min boil	90200	74.00%		
	1990/05	1 min boil	90266	67.00%		
	1990/05	2 min boil	90200	68.00%		
	1990/05	2 min boil	90266	70.00%		
	1990/05	5 min boil	90200	75.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	5 min boil	90266	64.00%		
Agrostocrinum scabrum	1999/01	* incubated at 10/18 C, water every 2nd day. sown in soil punnets				
	1999/01	Control	980383	1.00%		
	1999/01	Heat (55C / 3 hr) & scarified & smoke & GA	980383	0.00%		
	1999/01	Scarified & smoke & GA	980383	0.00%		
	1999/01	Scarified & smoke	980383	0.00%		
	1999/01	Scarified & GA	980383	0.00%		
	1999/01	Scarified (rubbed between sandpaper)	980383	0.00%		
	1999/01	Smoke water 1% / 1 hour	980383	0.00%		
	1999/01	GA 50mg / L / 24 hr	980383	0.00%		
	2000/01	*Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Heat pulse 120C / 30 mins	010101	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	010101	1.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	010101	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	010101	1.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	010101	0.00%		
	2000/01	Heat pulse 100C / 3 hours	010101	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	010101	1.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	010101	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	010101	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	010101	0.00%		
	2003/02	* stratification was moist, seeds in a petri dish on a water agar, same temp regimes. sown on water agar in petri dish				
	2003/02	4:4 stratification (4 wks @ 30 C:4 wks @ 4C) &1000mg GA / 24 hours	010101	0.00%		
	2003/02	6:6 stratification (" ") &1000mg GA / 24 hours	010101	0.00%		
	2003/02	8:7 stratification (" ") &1000mg GA / 24 hours	010101	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Allocauarina fraseriana	2003/08	* 3 reps @ 50 seeds, sown on water agar in petri dishes, in alternating light, in incubator 15/5 C				
	2003/08	Control	030161	26.70%		
	2003/08	Control	020436	58.70%		
	1997	Control (in field - no seedmix applied)		37.17%		
	1997	Aerosol smoke (in field - no seedmix applied)		58.17%		
Amphipogon amphipogonoides	2001/04	* leached while sown in punnets with soil in incubator @ 34/12C alternating light				
	2001/04	*After leached moved into 18/10 C incubator then watered every second day				
	2001/01	Control - incubator	010115	2.00%		
	2001/01	Control - field	010115	30.00%		
	2001/01	1% smoke water / 1 hr - incubator	010115	7.00%		
	2001/01	1% smoke water / 1 hr - field	010115	32.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010115	32.00%		
	2001/01	Aerosol smoke / 1 hr - field	010115	47.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. sown in the field February 2001				
	2001/04	control & leached (45mls, 65mls, 65mls, 65mls - volume just poured over punnet - 4 days between leaching - done while in soil punnets)	010115	48.00%		
	2001/04	1% smoke water / 1 hr & leached	010115	47.00%		
	2001/04	50% smoke water / 1 hr & leached	010115	38.00%		
	2001/04	Aerosol smoked / 1 hr & leached	010115	58.00%		
2001/04	untreated & unleached, but still in incubator	010115	33.00%			
Andersonia involucrata	2001/04	* leached while sown in punnets with soil. leached in incubator @ 34/12C alternating light. After leached moved into 18/10 C incubator, then watered every second day				
	2001/04	control & leached (45mls, 65mls, 65mls, 65mls -volume just poured over punnet - 4 days between leaching - done while in soil punnets)		31.00%		
	2001/04	1% smoke water / 1 hr & leached		36.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/04	50% smoke water / 1 hr & leached		22.00%		
	2001/04	Aerosol smoked / 1 hr & leached		9.00%		
	2001/04	untreated & unleached, but still in incubator		2.00%		
	2005/06	Control (dark)	010532	1.62%		
	2005/06	Control (light)	010532	0.00%		
	2005/06	10% Smoke water/24 hrs (dark)	010532	5.74%		
	2005/06	10% smoke water/24 hrs (light)	010532	0.00%		
	2005/06	500mg L GA/24 hrs (dark)	010532	15.98%		
	2005/06	500mg L GA/24 hrs (light)	010532	0.37%		
Andersonia latiflora	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. sown in the field February 2001				
	2001/01	Control - incubator	010014	13.00%		
	2001/01	Control - field	010014	22.00%		
	2001/01	1% smoke water / 1 hr - incubator	010014	15.00%		
	2001/01	1% smoke water / 1 hr - field	010014	19.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010014	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010014	10.00%		
	2005/06	Control (dark)	020211	0.00%		
	2005/06	Control (light)	020211	11.49%		
	2005/06	500mg L GA/24 hrs (light)	020211	0.00%		
	2005/06	500mg L GA/24 hrs (dark)	020211	4.99%		
	2005/06	10% smoke water/24 hrs (light)	020211	0.00%		
	2005/06	10% smoke water/24 hrs (dark)	020211	2.50%		
Anigozanthos flavidus	2005/11	Control		63.33%		
	2005/11	100C heat pulse / 3 hours		74.00%		
Anigozanthos manglesii	2003/08	* 3 reps @ 50 seed, sown on agar in petri dishes in alternating light in incubator at 15/5 C				
	2003/08	Control	020093	1.30%		
	2003/08	Control	030217	0.00%		
	2003/08	10% smoke / 1 hour	020093	2.00%		
	2003/08	10% smoke / 1 hour	030217	0.70%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/08	Heat pulse 110 C / 1hour	020093	14.70%		
	2003/08	Heat pulse 110 C / 1hour	030217	0.00%		
	2003/08	Heat pulse 100 C / 3 hours	020093	18.70%		
	2003/08	Heat pulse 100 C / 3 hours	030217	9.30%		
	2003/02	3 reps @ 10-25 seeds. Sown in water agar in incubator 15/5C alternating light				
	2003/02	Control		1.30%		
	2003/02	100C / 3 hour		0.00%		
	2001/01	Sown in soil in 18/10C incubator or sown in field feb 2001 (watered every 2nd day)				
	2001/01	Control (field)	030343	1.00%		
	2001/01	Control (incubator)	030343	0.00%		
	2001/01	1% smoke water / 1 hr (field)	030343	0.00%		
	2001/01	1 % smoke water / 1 hr (incubator)	030343	0.00%		
	2001/01	Aerosol smoke / 1 hr (field)	030343	0.00%		
	2001/01	Aerosol smoke / 1 hr (incubator)	030343	0.00%		
Anigozanthos viridus	2005/11	Control		0.00%	0	0
	2005/11	100C heat pulse / 3 hours		0.67%	0	0
Austrodanthonia caespitosa	2003/08	* 3 reps @ 50 seed, sown on water agar in petri dishes, in alternating light, in incubator at 15/5 C				
	2003/08	Aerosol smoke	030171	46.70%		
	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010267	26.00%		
	2001/01	Control - field	010267	33.00%		
	2001/01	1% smoke water / 1 hr - incubator	010267	30.00%		
	2001/01	1% smoke water / 1 hr - field	010267	43.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010267	53.00%		
	2001/01	Aerosol smoke / 1 hr - field	010267	37.00%		
	2001/04	* sown in punnets with soil in incubator 18/10C. watered every second day				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/04	1 hr imbibition in DI water	010267	61.00%		
	2001/04	1 hr imbibition in 1% smoke water	010267	61.00%		
	2001/04	12 hr imbibition in DI water	010267	69.00%		
	2001/04	12 hr imbibition in 1% smoke water	010267	53.00%		
	2001/05	* leached while sown in punnets with soil in incubator @ 34/12C alternating light. After leached moved into 18/10 C incubator.				
	2001/05	just poured over punnet - 4 d between leaching - done	010267	45.00%		
	2001/05	1% smoke water / 1 hr & leached	010267	65.00%		
	2001/05	50% smoke water / 1 hr & leached	010267	32.00%		
	2001/05	Aerosol smoked / 1 hr & leached	010267	73.00%		
	2001/05	untreated & unleached, but still in incubator	010267	45.00%		
Billardiera floribunda	2001/02	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/02	Control - incubator	010284	0.00%		
	2001/02	Control - field	010284	2.00%		
	2001/02	1% smoke water / 1 hr - incubator	010284	0.00%		
	2001/02	1% smoke water / 1 hr - field	010284	3.00%		
	2001/02	Aerosol smoke / 1 hr - incubator	010284	0.00%		
	2001/02	Aerosol smoke / 1 hr - field	010284	2.00%		
	2003/08	* 3 reps @ 50 seeds, sown on water agar in petri dishes, in alternating light, in incubator 15/5 C				
	2003/08	Control	020100	2.20%		
	2003/08	10% smoke water / 1 hour	020100	61.10%		
	2003/08	Heat pulse 110 C / 1 hour	020100	0.00%		
	2003/08	100 mM GA / 24 hour	020100	6.70%		
Billardiera varifolia	1998/12	*sown in soil punnets, 4 reps @ 25 seed. incubated in dark at 10/18 C, water every 2nd day				
	1998/12	Control	980386	10.00%		
	1998/12	1% smoke water / 1 hour	980386	29.00%		
	1998/12	50mg / L GA for 1 minute	980386	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/12	Scarified (rubbed with sand paper)	980386	0.00%		
	1998/12	Smoke water then GA	980386	0.00%		
	1998/12	Scarified then smoke water	980386	0.00%		
	1998/12	Scarified then GA	980386	0.00%		
	1999/01	*incubated at 10/18 C in the dark, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed				
	1999/01	Scarified (rubbed between fine sandpaper) & 1% smoke water / 1 hour	980386	31.00%		
	1999/01	Scarified & smoke & 10 mg / L GA / 24 hr	980386	33.00%		
	1999/01	Scarified & smoke & 25 mg / L GA / 24 hr	980386	26.00%		
	1999/01	Scarified & smoke & 50 mg / L GA / 24 hr	980386	28.00%		
	1999/01	Scarified & smoke & 100 mg / L GA / 24 hr	980386	33.00%		
	1999/01	Scarified & smoke & 500 mg / L GA / 24 hr	980386	50.00%		
	2000/01	*Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Scarification & smoke water & GA	990123	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990123	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. 4 reps @ 25 seeds. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010480	0.00%		
	2001/01	Control - field	010480	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010480	0.00%		
	2001/01	1% smoke water / 1 hr - field	010480	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010480	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010480	0.00%		
Boronia crenulata var. gracilis	2003/02	* 3 reps @ 10 - 25 seeds sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control		0.00%		
	2003/02	Control - dark		0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	5% smoke water / 1 hour		0.00%		
	2003/02	5% smoke water / 1 hour - dark		0.00%		
	2003/02	10% smoke water / 1 hr		0.00%		
	2003/02	10% smoke water / 1 hr - dark		0.00%		
	2003/02	100mg GA / 24 hr		0.00%		
	2003/02	100mg GA / 24 hr - dark		5.30%		
	2003/02	1000mg GA / 24 hr		10.00%		
	2003/02	1000mg GA / 24 hr - dark		0.00%		
	2003/02	2:4 stratification (2wk @ 30 C:4 wk @ 4C)		0.00%		
	2003/02	4:4 stratification		0.00%		
	2003/02	8:4 stratification		0.00%		
	2003/02	12:4 stratification		0.00%		
	2003/02	16:4 stratification		0.00%		
Boronia fastigiata	1997	Control (Germinated in field from seed in topsoil - no broadcast seed applied)	n/a	17.83%		
	1997	Smoke water (undiluted at 1L/m2 (Germinated in the field from seed - no broadcast seed applied)	n/a	27.67%		
Bossiaea aquifolium	1990/05	Control	89184	44.00%		
	1990/05	Control	90244	12.00%		
	2005/09	Control	30055	48.67%	80	60.83
	1990/05	30s boil	89184	70.00%		
	1990/05	30s boil	90244	34.00%		
	2005/09	30s boil	30055	74.00%	80	92.5
	1990/05	1 min boil	89184	54.00%		
	1990/05	1 min boil	90244	30.00%		
	1990/05	2 min boil	89184	47.00%		
	1990/05	2 min boil	90244	14.00%		
	1990/05	5 min boil	89184	37.00%		
	1990/05	5 min boil	90244	30.00%		
	2005/09	80C heat pulse / 45 mins	30055	50.67%	80	63.33
Bossiaea eriocarpa	1991/08	Control	91159	2.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/08	30 s boil	91159	55.00%		
	1991/08	1 min boil	91159	49.00%		
	1991/08	2 min boil	91159	38.00%		
	1991/08	scarify	91159	40.00%		
Bossiaea ornata	1990/05	Control	90269	65.00%		
	1990/05	Control	90349	20.00%		
	2005/09	Control	30269	42.67%	90	47.41
	1990/05	30s boil	90269	46.00%		
	2005/09	30s boil	90349	46.00%		
	2005/09	30s boil	30269	56.67%	90	62.96
	1990/05	1 min boil	90269	49.00%		
	1990/05	1 min boil	90349	34.00%		
	1990/05	2 min boil	90269	47.00%		
	1990/05	2 min boil	90349	37.00%		
	1990/05	5 min boil	90269	29.00%		
	1990/05	5 min boil	90349	44.00%		
	2005/09	80C heat pulse / 45 mins	30269	79.33%	90	88.15
Bossiaea pulchella	1990/05	Control	90277	13.00%		
	1990/05	Control	90313	22.00%		
	1990/05	30s boil	90277	94.00%		
	1990/05	30s boil	90313	89.00%		
	1990/05	1 min boil	90277	93.00%		
	1990/05	1 min boil	90313	91.00%		
	1990/05	2 min boil	90277	80.00%		
	1990/05	2 min boil	90313	84.00%		
	1990/05	5 min boil	90277	76.00%		
	1990/05	5 min boil	90313	69.00%		
Burchardia umbellata	2000/01	*Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	990176	1.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	990176	0.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	990176	2.00%		
	2000/01	Scarification & smoke water then soaked in GA	990176	3.00%		
	2000/01	Smoke water & then soaked in GA	990176	4.00%		
	2000/01	Heat pulse 120C / 30 mins	990176	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990176	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990176	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990176	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990176	0.00%		
	2000/01	Heat pulse 100C / 3 hours	990176	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990176	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990176	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990176	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990176	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010270	0.00%		
	2001/01	Control - field	010270	13.00%		
	2001/01	1% smoke water / 1 hr - incubator	010270	3.00%		
	2001/01	1% smoke water / 1 hr - field	010270	19.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010270	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010270	15.00%		
	2003/08	*3 reps @ 50 seed, sown on agar in petri dishes, in alternating light incubator at 15/5 C				
	2003/08	Control	030315	84.70%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/08	Control	030412	86.70%		
	2003/08	Control	030486	89.30%		
Callistemon speciosis	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	941136	0.00%		
	2001/01	Control - field	941136	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	941136	0.00%		
	2001/01	1% smoke water / 1 hr - field	941136	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	941136	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	941136	1.00%		
Calothamnus quadrifidus	2005/11	Control		17.29%		
	2005/11	60C heat pulse / 1 hour		15.93%		
Calothamnus sanguineus	2005/11	Control		9.73%		
	2005/11	60C heat pulse / 1 hr		10.00%		
Carpobrotus virescens	2004/10	* sown in soil filled punnets				
	2004/10	Control	020323	14.00%	70	20
	2004/10	Control	040868	13.33%	74	18
	2004/10	5 % smoke water / 1hr	020323	11.33%	70	16
	2004/10	5 % smoke water / 1hr	040868	12.67%	74	17
	2004/10	100 mg/L GA / 24 hrs	020323	18.00%	70	26
	2004/10	100 mg/L GA / 24 hrs	040868	22.00%	74	30
	2004/10	500 mg/L GA / 24 hrs	020323	17.33%	70	25
	2004/10	500 mg/L GA / 24 hrs	040868	15.33%	74	21
	2004/10	30 s boil	020323	0.00%	70	0
	2004/10	30 s boil	040868	0.00%	74	0
	2004/10	30 C incubation / 2 wks	020323	28.67%	70	41
	2004/10	30 C incubation / 2 wks	040868	18.67%	74	25
Chamaescilla corymbosa	1998/12	*sown in soil punnets, 4 reps @ 25 seed. incubated at 10/18 C, water every 2nd day				
	1998/12	Control	980132	18.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/12	Scarified (rubbed between sand paper)	980132	31.00%		
	1998/12	1% smoke water / 1 hour	980132	9.00%		
	1998/12	50mg / L GA for 1 minute	980132	5.00%		
	1998/12	Smoke water then GA	980132	38.00%		
	1998/12	Scarified then smoke water	980132	0.00%		
	1998/12	Scarified then GA	980132	0.00%		
	2001/02	* sown in punnets with soil in incubator 18/10C, 4 reps @ 25 seed watered every second day. Field samples sown in the field February 2001				
	2001/02	Control - incubator	010540	45.00%		
	2001/02	Control - field	010540	31.00%		
	2001/02	1% smoke water / 1 hr - incubator	010540	34.00%		
	2001/02	1% smoke water / 1 hr - field	010540	25.00%		
	2001/02	Aerosol smoke / 1 hr - incubator	010540	34.00%		
	2001/02	Aerosol smoke / 1 hr - field	010540	43.00%		
	2003/08	* 3 reps @ 50 seed, sown on water agar in petri dishes in alternating light in incubator at 15/5 C				
	2003/08	Control	030076	84.00%		
Chorizema dicksonii	1990/05	Control	90278	12.00%		
	2005/09	Control	050465	20.67%	95	21.75
	1990/05	30s boil	90278	79.00%		
	2005/09	30s boil	050465	56.67%	95	59.65
	1990/05	1 min boil	88310	78.00%		
	1990/05	1 min boil	90278	76.00%		
	1990/05	2 min boil	88310	54.00%		
	1990/05	2 min boil	90278	56.00%		
	1990/05	5 min boil	88310	26.00%		
	1990/05	5 min boil	90278	54.00%		
	2005/09	80C heat pulse / 45 mins	050465	64.00%	95	67.37
Chorizema ilicifolium	1990/05	Control	90202	20.00%		
	1990/05	Control	90326	58.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	30s boil	90202	67.00%		
	1990/05	30s boil	90326	71.00%		
	1990/05	1 min boil	90202	52.00%		
	1990/05	1 min boil	90326	65.00%		
	1990/05	2 min boil	90202	40.00%		
	1990/05	2 min boil	90326	69.00%		
	1990/05	5 min boil	90202	23.00%		
	1990/05	5 min boil	90326	60.00%		
Chorizema rhombeum	1991/08	Control	91517	1.00%		
	1991/08	30s boil	91517	10.00%		
	1991/08	1 min boil	91517	10.00%		
	1991/08	2 min boil	91517	23.00%		
	1991/08	scarify	91517	5.00%		
Clematis linearifolia	2004/08	* 3 reps 20 seeds sown in soil filled punnets with a layer of vermiculate / double shade cloth				
	2004/08	Control	040899	0.00%		
	2004/08	Scarify & 500 mg / L GA 24 hrs	040899	0.00%		
	2004/08	Smoke water (1 %) 1 hr & 500 mg / L GA 24 hrs	040899	0.00%		
	2004/08	Scarify & 1000 mg / L GA 24 hrs	040899	0.00%		
	2004/08	Smoke water (1 %) 1 hr & 1000 mg / L GA 24 hrs	040899	0.00%		
Clematis pubescens	2001/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	990292	21.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	990292	7.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	990292	19.00%		
	2000/01	Scarification & smoke water then soaked in GA	990292	15.00%		
	2000/01	Smoke water & then soaked GA	990292	31.00%		
	2000/01	Heat pulse 120C / 30 mins	990292	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990292	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990292	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990292	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990292	0.00%		
	2000/01	Heat pulse 100C / 3 hours	990292	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990292	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990292	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990292	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990292	0.00%		
	2003/02	* 3 reps @ 10 -25 seeds. sown on water agar in petri dishes sown in incubator at 15/5 alternating light				
	2003/02	Control	010545	12.20%		
	2003/02	Control	030187	51.10%		
	2003/02	Control - fresh collected seed #1		84.40%		
	2003/02	Control - fresh collected seed #2		93.30%		
	2003/02	Control - fresh collected seed #3		83.30%		
	2003/02	Control - fresh collected seed #4		87.80%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010307	10.00%		
	2001/01	Control - field	010307	26.00%		
	2001/01	1% smoke water / 1 hr - incubator	010307	12.00%		
	2001/01	1% smoke water / 1 hr - field	010307	11.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010307	5.00%		
	2001/01	Aerosol smoke / 1 hr - field	010307	1.00%		
Comesperma virgatum	2003/10	Control	Fresh	8.00%		
	2003/10	5% smoke water / 1 hr	Fresh	0.70%		
	2003/10	100 mg / L GA / 24 hrs	Fresh	10.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Conostylis aculeata	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010025	1.00%		
	2001/01	Control - field	010025	5.00%		
	2001/01	1% smoke water / 1 hr - incubator	010025	4.00%		
	2001/01	1% smoke water / 1 hr - field	010025	11.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010025	9.00%		
	2001/01	Aerosol smoke / 1 hr - field	010025	27.00%		
	2003/08	*3 reps @ 50 seed, sown on water agar in petri dish, in alternating light in incubator at 15/5				
	2003/08	5% smoke water / 1 hour	020391	26.00%		
	2003/08	Pre- treated with aerosol smoke	030341	62.30%		
2003/08	Pre-treated with aerosol smoke	020095	59.00%			
Conostylis setosa	2003/02	* 3 reps @ 50 seeds. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control				
	2003/02	Control - dark		0.00%		
	2003/02	5% smoke water / 1 hour		31.10%		
	2003/02	5% smoke water / 1 hr - dark		40.00%		
	2003/02	10% smoke water / 1 hr		50.70%		
	2003/02	10% smoke water / 1 hr - dark		62.70%		
	2003/02	100mg GA / 24 hr		0.00%		
	2003/02	100mg GA / 24 hr - dark		0.00%		
	2003/02	1000mg GA / 24 hr		0.00%		
	2003/02	1000mg GA / 24 hr - dark		0.00%		
	2003/02	100 C / 3 hr		44.40%		
	2003/02	2:4 stratification (2 weeks @ 30 C : 4 weeks @ 4C)		0.00%		
2003/02	4:4 stratification		0.00%			

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	8:4 stratification		0.00%		
	2003/02	12:4 stratification		0.00%		
	2003/02	15:4 stratification		0.00%		
	2003/02	* 3 reps @ 10 - 25 seeds		0.00%		
	2003/02	5 % smoke water		7.78%		
	2003/02	5 % smoke water (dark)		20.00%		
	2003/02	10 % smoke water		42.22%		
	2003/02	10 % smoke water (dark)		52.22%		
	2003/03	Heat pulse 100C / 3 hrs		30.00%		
	2003/07	* sown on water agar in petri dishes sown in incubator at 15/5 alternating light. all seed was collected fresh from field				
	2003/07	5% smoke water / 1 hr		90.00%		
	2003/07	10% smoke water / 1 hr		94.70%		
	2003/07	20% smoke water / 1 hr		95.30%		
	2003/08	*3 reps @ 50 seed, sown on water agar in petri dish, in alternating light, in incubator at 15/5C				
	2003/08	5% smoke water / 1 hour	010436	1.00%		
	2003/08	Control	010436	0.00%		
Cryptandra arbutifolia	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010051	4.00%		
	2001/01	Control - field	010051	8.00%		
	2001/01	1% smoke water / 1 hr - incubator	010051	6.00%		
	2001/01	1% smoke water / 1 hr - field	010051	8.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010051	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	010051	7.00%		
Cyathochaeta avenacea	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - incubator	010056	29.00%		
	2001/01	Control - field	010056	20.00%		
	2001/01	1% smoke water / 1 hr - incubator	010056	28.00%		
	2001/01	1% smoke water / 1 hr - field	010056	13.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010056	33.00%		
	2001/01	Aerosol smoke / 1 hr - field	010056	9.00%		
	2001/04	* sown in punnets with soil in incubator 18/10C. watered every second day				
	2001/04	1 hr imbibition in DI water	010056	31.00%		
	2001/04	1 hr imbibition in 1% smoke water	010056	40.00%		
	2001/04	12 hr imbibition in DI water	010056	45.00%		
	2001/04	12 hr imbibition in 1% smoke water	010056	40.00%		
	2003/08	* 3 reps @ 50 seed, sown on water agar in petri dish, in alternatin light, in incubator at 15/5 C				
	2003/08	Control	030692	55.60%		
	2003/08	5% smoke water / 1 hour	030692	33.30%		
	2003/08	100mM GA / 24 hour	030692	50.00%		
Daviesia cordata	1990/05	Control	90302	17.00%		
	2005/09	Control	050548	10.00%	90	11.11
	1990/05	30s boil	90302	71.00%		
	2005/09	30s boil	050548	40.00%	90	44.44
	1990/05	1 min boil	90302	39.00%		
	1990/05	2 min boil	90302	17.00%		
	1990/05	5 min boil	90302	12.00%		
	2005/02	Germination of seed which had been boiled and stored for 8 months	040752	74.67%	95	78.6
	2005/02	Germination of seed which had been boiled and stored for an unknown duration	040815	64.00%	86.67	73.85
	2005/02	Germination of seed which had been boiled and stored for 13 months	040563	56.67%	70	80.95

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/02	Germination of seed which had been boiled and stored for 1 month	040490	68.67%	71.67	95.81
	2005/05	60C heat pulse 1 hour	050416	72.00%	100	72
	2005/05	60C heat pulse 1 hour	050548	81.33%	100	81.33
	2005/05	60C heat pulse 1 hour	050512	76.00%	96.67	78.62
	2005/09	80C heat pulse / 45 mins	050548	49.33%	90	54.81
	2005/05	100C heat pulse 0.5 hours	050416	68.67%	100	68.67
	2005/05	100C heat pulse 0.5 hours	050548	73.33%	100	73.33
	2005/05	100C heat pulse 0.5 hours	050512	70.67%	96.67	73.1
Daviesia decurrens	2005/09	Control	040400	23.33%	90	25.93
	2005/09	30s boil	040400	45.33%	90	50.37
	2005/09	80C heat pulse / 45 mins	040400	60.00%	90	66.67
Daviesia horrida	1990/05	Control	91447	3.00%		
	1990/05	30s boil	91447	83.00%		
	1990/05	1 min boil	91447	42.00%		
	1990/05	2 min boil	91447	36.00%		
	1990/05	scarify	91447	28.00%		
Daviesia physodes	1991/03	Control	91395	14.00%		
	1991/03	Control	91394	4.00%		5.83
	2005/09	Control	050155	4.67%	80	
	1991/03	30s boil	91394	93.00%		
	1991/03	30s boil	91395	90.00%		12.5
	2005/09	30s boil	050155	10.00%	80	
	1991/03	1 min boil	91394	83.00%		
	1991/03	1 min boil	91395	79.00%		
	1991/03	2 min boil	91394	42.00%		
	1991/03	2 min boil	91395	23.00%		
	1991/03	scarify	91394	76.00%		
	1991/03	scarify	91395	80.00%		
	2005/09	80C heat pulse / 45 mins	050155	8.67%	80	10.83
Daviesia preissii	1991/08	Control	91271	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/08	30s boil	91271	58.00%		
	1991/08	1 min boil	91271	18.00%		
	1991/08	2 min boil	91271	10.00%		
	1991/08	scarify	91271	55.00%		
Dianella revoluta	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010303	0.00%		
	2001/01	Control - field	010303	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010303	0.00%		
	2001/01	1% smoke water / 1 hr - field	010303	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010303	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010303	0.00%		
Dodonaea aptera	2005/10	Control	050711	8.67%	53.33	16.3
	2005/10	30s boil	050711	59.33%	53.33	111
	2005/10	100C heat pulse	050711	59.33%	53.33	111
Dodonaea ceratocarpa	2005/10	Control	050109	1.33%	56.67	2.35
	2005/10	30s boil	050109	80.67%	56.67	142
	2005/10	100C heat pulse	050109	74.00%	56.67	131
Dodonaea hackettiana	2005/10	Control	050889	30.67%	50	61.3
	2005/10	30s boil	050889	44.67%	50	89.3
	2005/10	100C heat pulse	050889	21.33%	50	42.7
Dryandra lindleyana	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010274	82.00%		
	2001/01	Control - field	010274	52.00%		
	2001/01	1% smoke water / 1 hr - incubator	010274	81.00%		
	2001/01	1% smoke water / 1 hr - field	010274	36.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010274	67.00%		
	2001/01	Aerosol smoke / 1 hr - field	010274	41.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/07	*sown in soil in punnets in nursery, 3 reps @ 30 seed, watered by irrigation in nursery				
	2003/07	Seed popped from capsule by placing on hot pan	seed orchard	0.00%		
	2003/07	Seed removed from capsule by hand	seed orchard	92.00%		
	2003/07	Seed removed by hand & 5% smoke water / 1 hr	seed orchard	48.00%		
	2003/07	Seed removed by hand & 100mg GA / 24 hr	seed orchard	95.00%		
Dryandra sessilis	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010297	51.00%		
	2001/01	Control - field	010297	30.00%		
	2001/01	1% smoke water / 1 hr - incubator	010297	67.00%		
	2001/01	1% smoke water / 1 hr - field	010297	35.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010297	53.30%		
	2001/01	Aerosol smoke / 1 hr - field	010297	27.00%		
Eucalyptus marginata	Sep-04	Determine germination potential of 4 cleaning grades (A, B, C and control)				
	Sep-04	Control (seed + chaff)		10.52%		
	Sep-04	Control (seed + chaff)		8.27%		
	Sep-04	Grade A (pure seed only / mostly large seeds / makes up 13.1% of control sample)		65.04%		
	Sep-04	Grade A (pure seed only / mostly large seeds / makes up 13.1% of control sample)		47.95%		
	Sep-04	Grade B (pure seed & minimal chaff / makes up 40.1% of control sample)		0.67%		
	Sep-04	Grade B (pure seed & minimal chaff / makes up 40.1% of control sample)		4.65%		
	Sep-04	Grade C (some small seeds / mostly chaff / makes up 46.8% of control sample)		0.00%		
	Sep-04	Grade C (some small seeds / mostly chaff / makes up 46.8% of control sample)		0.77%		
Gastrolobium calycinum	1991/08	Control	91193	5.00%		
	2005/09	Control	050583	14.00%	100	14

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/08	30s boil	91193	5.00%		
	2005/09	30s boil	050583	53.33%	100	53.33
	1991/08	1 min boil	91193	5.00%		
	1991/08	2 min boil	91193	5.00%		
	1991/08	scarify	91193	15.00%		
	2005/09	80C heat pulse / 45 mins	050583	40.67%	100	40.67
Gastrolobium spinosum	1990/05	Control	91194	16.00%		
	2005/09	Control	050110	68.00%	90	75.56
	1990/05	30s boil	91194	78.00%		
	2005/09	30s boil	050110	45.33%	90	50.37
	1990/05	1 min boil	91194	66.00%		
	1990/05	2 min boil	91194	74.00%		
	1990/05	scarify	91194	35.00%		
	2005/09	80C heat pulse / 45 mins	050110	82.00%	90	91.11
Glichrocaryon aureum	2001/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	000103	0.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	000103	0.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	000103	0.00%		
	2000/01	Scarification & smoke water then soaked in GA	000103	0.00%		
	2000/01	Smoke water & then soaked GA	000103	0.00%		
	2000/01	Heat pulse 120C / 30 mins	000103	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	000103	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	000103	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	000103	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	000103	0.00%		
	2000/01	Heat pulse 100C / 3 hours	000103	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	000103	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	000103	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	000103	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	000103	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010489	0.00%		
	2001/01	Control - field	010489	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010489	1.00%		
	2001/01	1% smoke water / 1 hr - field	010489	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010489	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010489	4.00%		
Gompholobium capitatum	1990/05	Control	89301	58.00%		
	1990/05	30s boil	89301	48.00%		
	1990/05	1 min boil	89301	38.00%		
	1990/05	2 min boil	89301	28.00%		
	1990/05	5 min boil	89301	22.00%		
Gompholobium knightianum		* Sown in soil filled punnets				
	1991/08	Control	91698	6.00%		
	1991/08	30s boil	91698	61.00%		
	1991/08	1 min boil	91698	86.00%		
	1991/08	2 min boil	91698	67.00%		
	1991/08	scarify	91698	51.00%		
Gompholobium marginatum	1990/05	Control	89296	83.00%		
	2004/07	Control	040461	4.76%	93	5.12
	2004/07	Control	040338	5.24%	90	5.82
	1990/05	30s boil	89296	70.00%		
	2004/07	30s boil	040461	51.90%	93	55.81
	2004/07	30s boil	040338	32.38%	90	35.98

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	1 min boil	89296	57.00%		
	1990/05	2 min boil	89296	8.00%		
	1990/05	5 min boil	89296	0.00%		
	2004/07	45 second hot water treatment (boiling water left standing for 30s and then oured over seed)	040461	40.48%	93	43.52
	2004/07	45 second hot water treatment (boiling water left standing for 30s and then poured over seed)	040338	25.71%	90	25.71
	2004/07	1 mth room temperature & 30s boiling water	040461	40.48%	93	43.52
	2004/07	1 mth room temperature & 30s boiling water	040338	31.43%	90	34.92
	2004/07	1 mth room temperature 45 second hot water treatment	040461	36.19%	93	38.91
	2004/07	1 mth room temperature 45 second hot water treatment	040338	20.48%	90	22.75
	2004/07	2 wks 30C & 30 boil	040461	63.33%	93	68.1
	2004/07	2 wks 30C & 30 boil	040338	47.14%	90	52.38
	2005/02	2 wks 30C & 30s boil	050342	55.24%	91	60.24
	2004/07	2 wks 30C & 45 second hot water treatment	040461	72.86%	93	78.34
	2004/07	2 wks 30C & 45 second hot water treatment	040338	50.00%	90	55.56
	2005/03	30C incubation / 2 weeks	050400	4.67%	100	4.67
	2005/03	30C incubation / 2 weeks	040444	13.33%	95	14.04
	2005/03	30C incubation / 2 weeks	040461	10.67%	100	10.67
	2005/03	30C incubation / 2 weeks	050330	9.33%	95	9.82
	2005/03	30C incubation / 2 weeks	040402	4.67%	100	4.67
	2005/03	30C incubation / 2 weeks	040338	14.00%	90	15.56
	2005/03	30C incubation / 2 weeks	040310	15.33%	95	16.14
	2005/02	30C incubation 2 weeks/ 1 week cool store (4C) / 30s boil / sow	040461	30.67%	98.33	32.28
	2005/01	30C incubation / 30s boil/1 week cool store 4C / sow	040461	65.33%	98.33	68.77
	2005/02	60C heat pulse 1 hour (germinated in 5/15C incubator)	050342	66.67%	95	70.18
	2005/01	100 C heat pulse 0.5 hours (germinated in 5/15 incubator)	050342	87.33%	95	91.93
Gompholobium polymorphum	1991/03	Control	91292	15.00%		
	1991/03	30s boil	91292	68.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/02	30s boil	50467	92.00%	100	92
	1991/03	1 min boil	91292	67.00%		
	1991/03	2 min boil	91292	51.00%		
	1991/03	scarify	91292	53.00%		
	2005/02	60 C 1 hour (Germinated on agar in 5/15C incubator)	050467	42.67%	100	42.67
	2005/02	100 C 0.5 hrs	050467	94.67%	100	94.67
Gompholobium tomentosum	1991/08	Germinated on agar in 5/15 incubator				
	2005/02	Control	050440	16.00%	70.59	22.67
	1991/08	30s boil	91429	2.00%		
	1991/08	1 min boil	91429	3.00%		
	1991/08	2 min boil	91429	0.00%		
	1991/08	scarify	91429	67.00%		
	2005/02	60C for 1 hour	050440	19.33%	70.59	27.39
	2005/02	100 C for 0.5 hours	050440	24.00%	70.59	34
Gonocarpus cordiger	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010465	0.00%		
	2001/01	Control - field	010465	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010465	0.00%		
	2001/01	1% smoke water / 1 hr - field	010465	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010465	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010465	0.00%		
Grevillea pilulifera	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	10004	5.00%		
	2001/01	Control - field	10004	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	10004	5.00%		
	2001/01	1% smoke water / 1 hr - field	10004	7.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	10004	3.00%		
	2001/01	Aerosol smoke / 1 hr - field	10004	3.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Grevillea wilsonii	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010038	2.00%		
	2001/01	Control - field	010038	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010038	16.00%		
	2001/01	1% smoke water / 1 hr - field	010038	4.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010038	8.00%		
	2001/01	Aerosol smoke / 1 hr - field	010038	1.00%		
	2001/04	* leached while sown in punnets with soil. leached in incubator @ 34/12C alternating light. After leached moved into 18/10 C incubator, then watered every second day				
	2001/04	Control & leached (45mls, 65mls, 65mls, 65mls -volume just poured over punnet - 4 days between leaching - done while in soil punnets)	010038	5.00%		
	2001/04	1% smoke water / 1 hr & leached	010038	21.00%		
	2001/04	50% smoke water / 1 hr & leached	010038	12.00%		
	2001/04	Aerosol smoked / 1 hr & leached	010038	25.00%		
	2001/04	Untreated & unleached, but still in incubator	010038	0.00%		
Hardenbergia comptoniana	1990/05	Control	89239	84.00%		
	1990/05	Control	90281	29.00%		
	2005/09	Control	050448	36.00%	85	42.35
	1990/05	30s boil	89239	96.00%		
	1990/05	30s boil	90281	91.00%		
	2005/09	30s boil	050448	53.33%	85	62.75
	1990/05	1 min boil	89239	89.00%		
	1990/05	1 min boil	90281	92.00%		
	1990/05	2 min boil	89239	71.00%		
	1990/05	2 min boil	90281	84.00%		
	1990/05	5 min boil	89239	44.00%		
	1990/05	5 min boil	90281	78.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/09	80C heat pulse / 45 mins	050448	64.00%	85	75.29
Hemigenia rigida	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010213	0.00%		
	2001/01	Control - field	010213	2.00%		
	2001/01	1% smoke water / 1 hr - incubator	010213	0.00%		
	2001/01	1% smoke water / 1 hr - field	010213	3.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010213	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010213	0.00%		
Hemigenia sericea	2001/01	* sown in punnets with soil in incubator 18/10C watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010009	3.00%		
	2001/01	Control - field	010009	11.00%		
	2001/01	1% smoke water / 1 hr - incubator	010009	9.00%		
	2001/01	1% smoke water / 1 hr - field	010009	10.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010009	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010009	10.00%		
Hibbertia amplexicaulis	2003/02	* 3 reps @ 10 - 25 seeds sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish. sown on water agar in petri dishes on a water agar, same temp regimes				
	2003/02	Control	020188	0.00%		
	2003/02	5% smoke water / 1 hr	020188	0.00%		
	2003/02	10% smoke water / 1 hr	020188	0.00%		
	2003/02	100mg GA / 24 hr	020188	0.00%		
	2003/02	1000mg GA / 24 hr	020188	0.00%		
	2003/02	100mg GA / 24 hr & seed coat removed	020188	50.00%		
	2003/02	1000mg GA / 24 hr & seed coat removed	020188	46.70%		
	2003/02	Seed coat removed	020188	10.00%		
	2003/02	100 C / 3 hr	020188	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	2:4 stratification (2 weeks @ 30 C : 4 weeks @ 4C)	020188	0.00%		
	2003/02	4:4 stratification	020188	0.00%		
	2003/02	8:4 stratification	020188	0.00%		
	2003/02	12:4 stratification	020188	0.00%		
	2003/02	16:4 stratification	020188	0.00%		
	2003/07	sown on water agar in petri dishes. 3 reps @ 50 seed. sown in incubator at 15/5 C alternating light				
	2003/07	Heat pulse (110 C / 1 hr)	020188	0.00%		
	2003/07	Constant heat (33 C / 168 hrs)	020188	0.00%		
Hibbertia commutata	2003/09	* 1 rep of 20 for each endosperm treatment in 15/5 C incubator and wrapped in foil (Dark)				
	2003/09	Endosperm & 100mg GA / 24 hr & on water agar soaked with tannins and phenolics from Hibcom	030724	45.00%		
	2003/09	* 1 rep of 50 wheat seed, in 15/5 C incubator		0.00%		
	2003/09	Endosperm & 100mg GA / 24 hr & on water agar	030724	50.00%		
	2003/08	5% smoke water / 1 hr	030724	2.00%		
	2003/09	*1 rep of 50 Hakea undulata seed, in 15/5 incubato		0.00%		
	2003/09	Endosperm extracted and placed on water agar	030724	15.00%		
	2003/08	Heat pulse (110 C / 1 hr)	020351	0.00%		
	2003/08	Constant heat (33 C / 168 hr)	020351	0.00%		
	2003/09	Wheat seed placed on water agar soaked with tannins & phenolics from Hibcom seed		100.00%		
	2003/09	Hakea undulata seed placed on water agar soaked with tannins & phenolics from Hibcom seed		100.00%		
	2003/08	Brown seed & 5% smoke water / 24 hr	030724	0.00%		
	2003/08	Yellow seed & 5% smoke water / 24 hr	030724	0.00%		
	2003/08	* 3 reps @ 50 seed				
	2003/08	* sown on water agar in petri dishes				
	2003/08	* sown in incubator at 15/5 C alternating light				
	2003/08	For embryo length, whole seeds were placed dry in 30 C and 15/5 C incubator				
	2003/08	embryo length measured every 2 weeks for 6 weeks, 3 reps @ 10 seed. Constant and Heat pulse treatment only				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	2:4 stratification (2 weeks @ 30 C : 4 weeks @ 4 C)	020351	0.00%		
	2003/02	100mg GA / 24 hr	020351	7.80%		
	2003/02	10% smoke water / 1 hr	020351	16.70%		
	2003/02	5% smoke water / 1 hr	020351	17.80%		
	2003/02	Control	020351	0.00%		
	2003/02	1000mg GA / 24 hr	020351	15.60%		
	2003/02	100mg GA / 24 hr & seed coat removed	020351	46.70%		
	2003/02	1000mg GA / 24 hr & seed coat removed	020351	20.00%		
	2003/02	Seed coat removed	020351	6.70%		
	2003/02	4:4 stratification	020351	0.00%		
	2003/02	8:4 stratification	020351	0.00%		
	2003/02	12:4 stratification	020351	0.00%		
	2003/02	16:4 stratification	020351	0.00%		
	2003/02	* 3 reps @ 10 - 25 seeds				
	2003/02	* sown on water agar in petri dishes				
	2003/02	* sown in incubator at 15/5 C alternating light				
	2003/02	* stratification was moist, seeds were in a petri dish on a water agar, at the same temp regimes				
	2001/02	Aerosol smoke / 1 hr - incubator	990274	7.00%		
	2001/02	Control - incubator	990274	1.00%		
	2001/02	* sown in the field February 2001				
	2001/02	Control - field	990274	3.00%		
	2001/02	1% smoke water / 1 hr - incubator	990274	4.00%		
	2001/02	1% smoke water / 1 hr - field	990274	7.00%		
	2001/02	* sown in punnets with soil in incubator 18/10C				
	2001/02	* watered every second day				
	2001/02	Aerosol smoke / 1 hr - field	990274	7.00%		
	1998/01	Cool store, Heat & GA	970283	0.00%		
	1998/01	Warm store, Heat (50C / 3 hour)	970283	1.00%		
	1998/01	Cool store, smoke water & GA	970283	1.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/01	Cool store, Scarified & smoke water & GA	970283	3.00%		
	1998/01	Cool store, Scarified & GA	970283	0.00%		
	1998/01	Cool store, Scarified & smoke water	970283	0.00%		
	1998/01	Cool store, Heat & smoke water & GA	970283	1.00%		
	1998/01	Cool store, Heat & scarified & smoke water & GA	970283	0.00%		
	1998/01	Warm store, smoke water (10% Smoke water / 1 hour)	970283	0.00%		
	1998/01	Cool store, Heat & scarified & smoke water	970283	0.00%		
	1998/01	Warm store, Heat & scarified	970283	0.00%		
	1998/01	Cool store, Heat & smoke water	970283	1.00%		
	1998/01	Cool store, Heat & scarified	970283	0.00%		
	1998/01	Cool store, Scarified	970283	0.00%		
	1998/01	Cool store, GA (500 mg GA / 2 seconds)	970283	0.00%		
	1998/01	Cool store, smoke water (10% Smoke water / 1 hour)	970283	3.00%		
	1998/01	Cool store, Heat (50 C / 3 hour)	970283	0.00%		
	1998/01	Cool store, Heat & scarified & GA	970283	0.00%		
	1998/01	Warm store, Scarified & smoke water	970283	1.00%		
	1998/01	Cool store, control	970283	0.00%		
	1998/01	Warm store, control	970283	0.00%		
	1998/01	Warm store = seed stored prior at 23C / 21 days				
	1998/01	Cool store = seed stored prior at 4C / 21 days				
	1998/01	4 reps @ 25 seed, sown in soil punnets, incubated at 10/18 C, water every 2nd day				
	1998/01	Warm store, GA (500 mg GA / 2 seconds)	970283	0.00%		
	1998/01	Warm store, Scarified & GA	970283	0.00%		
	1998/01	Warm store, smoke water & GA	970283	1.00%		
	1998/01	Warm store, Heat & smoke water & GA	970283	4.00%		
	1998/01	Warm store, Heat & scarified & smoke water & GA	970283	0.00%		
	1998/01	Warm store, Heat & scarified & GA	970283	0.00%		
	1998/01	Warm store, Heat & scarified & smoke water	970283	4.00%		
	1998/01	Warm store, Heat & GA	970283	0.00%		
	1998/01	Warm store, Heat & smoke water	970283	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/01	Warm store, Scarified	970283	0.00%		
	1998/01	Warm store, Scarified & smoke water & GA	970283	0.00%		
Hibbertia huegelii	2000/01	*Sown on top of soil in punnets, left outside, 4 reps @ 25 seeds. Watered daily by sprinklers				
	2000/01	Control	980217	0.00%		
	2000/01	Scarification (rubbed with sandpaper) & 1% smoke water / 1 hour	980217	3.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	980217	35.00%		
	2000/01	Scarification & smoke water then soaked in GA	980217	15.00%		
	2000/01	Smoke water & then soaked GA	980217	18.00%		
	2000/01	Heat pulse 120C / 30 mins	980217	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	980217	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	980217	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	980217	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	980217	0.00%		
	2000/01	Heat pulse 100C / 3 hours	980217	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	980217	0.00%		
	2000/01	Heat pulse 100C / 3 hrs, scarification, sm water, GA	980217	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	980217	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	980217	0.00%		
	1998/12	*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed				
	1998/12	Control	980217	0.00%		
	1998/12	Scarified (rubbed between sand paper)	980217	0.00%		
	1998/12	0.1% smoke water / 1 hour	980217	0.00%		
	1998/12	50mg / L GA for 1 minute	980217	0.00%		
	1998/12	Smoke water then GA	980217	0.00%		
	1998/12	Scarified then smoke water	980217	0.00%		
	1998/12	Scarified then GA	980217	0.00%		
Hovea chorizemifolia	1990/05	Control	89230	45.00%		
	1990/05	Control	90306	54.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	Control	91404	19.00%		
	2005/09	Control	040859	72.00%	95	75.79
	1990/05	30s boil	89230	74.00%		
	1990/05	30s boil	90306	59.00%		
	1990/05	30s boil	91404	35.00%		
	2005/09	30s boil	040859	76.67%	95	80.7
	1990/05	1 min boil	89230	72.00%		
	1990/05	1 min boil	90306	58.00%		
	1990/05	1 min boil	91404	34.00%		
	1990/05	2 min boil	89230	61.00%		
	1990/05	2 min boil	90306	63.00%		
	1990/05	2 min boil	91404	9.00%		
	1990/05	5 min boil	89230	40.00%		
	1990/05	5 min boil	90306	33.00%		
	1990/05	scarify	91404	46.00%		
	2005/09	80C heat pulse / 45 mins	040859	71.33%	95	75.09
Hovea pungens	1991/08	Control	91674	19.00%		
	2005/09	Control	050450	48.67%	95	51.23
	1991/08	30s boil	91674	42.00%		
	2005/09	30s boil	050450	40.67%	95	42.81
	1991/08	1 min boil	91674	26.00%		
	1991/08	2 min boil	91674	12.00%		
	1991/08	scarify	91674	72.00%		
	2005/09	80C heat pulse / 45 mins	050450	56.67%	95	59.65
Hovea trisperma	1991/08	Control	91724	17.00%		
	2005/09	Control	050422	80.67%	100	80.67
	1991/08	30s boil	91724	78.00%		
	2005/09	30s boil	050422	92.00%	100	92
	1991/08	1 min boil	91724	42.00%		
	1991/08	2 min boil	91724	57.00%		
	1991/08	scarify	91724	55.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/09	80C heat pulse / 45 mins	050422	84.00%	100	84
Hyalosperma cotula	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	960564	0.00%		
	2001/01	Control - field	960564	8.00%		
	2001/01	1% smoke water / 1 hr - incubator	960564	6.00%		
	2001/01	1% smoke water / 1 hr - field	960564	18.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	960564	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	960564	0.00%		
Hybanthus calycinus	1998/12	*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed				
	1998/12	Control	980401	0.00%		
	1998/12	1% smoke water / 1 hour	980401	1.00%		
	1998/12	Scarified (rubbed between sandpaper)	980401	0.00%		
	1998/12	Smoke & GA	980401	0.00%		
	1998/12	50mg GA / L / 24 hr	980401	7.00%		
	1998/12	Scarified & smoke & GA	980401	2.00%		
	1998/12	Scarified & smoke	980401	0.00%		
	1998/12	Scarified & GA	980401	2.00%		
	1998/12	Heat (55C / 3 hr) & scarified & smoke & GA	980401	1.00%		
	2000/01	*Sown on top of soil in punnets, left outside, 4 reps @ 25 seeds. Watered daily by sprinklers				
	2000/01	Heat pulse 120C / 30 mins	990105	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990105	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990105	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990105	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990105	0.00%		
	2000/01	Heat pulse 100C / 3 hours	990105	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990105	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990105	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990105	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990105	1.00%		
Hybanthus debilissimus	2003/02	* 3 reps @ 10 - 25 seeds. sown on water agar in petri dishes, sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control	03 seed	0.00%		
	2003/02	Control - dark	03 seed	0.00%		
	2003/02	5% smoke water / 1 hr	03 seed	0.00%		
	2003/02	5% smoke water / 1 hr - dark	03 seed	0.00%		
	2003/02	10% smoke water / 1 hr	03 seed	0.00%		
	2003/02	10% smoke water / 1 hr - dark	03 seed	0.00%		
	2003/02	100mg GA / 24 hr	03 seed	0.00%		
	2003/02	100mg GA / 24 hr - dark	03 seed	0.00%		
	2003/02	1000mg GA / 24 hr	03 seed	0.00%		
	2003/02	1000mg GA / 24 hr - dark	03 seed	0.00%		
	2003/02	2:4 stratification (2 wk @ 30 C:4 wk @ 4C)	03 seed	0.00%		
	2003/02	4:4 stratification	03 seed	0.00%		
	2003/02	8:4 stratification	03 seed	0.00%		
	2003/02	12:4 stratification	03 seed	0.00%		
	2003/02	16:4 stratification	03 seed	0.00%		
Hybanthus floribundus	2003/02	* sown on water agar in petri dishes. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control	01 seed	0.00%		
	2003/02	Control	02 seed	0.00%		
	2003/02	Control	03 seed	0.00%		
	2003/02	Control - dark	01 seed	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	Control - dark	02 seed	2.70%		
	2003/02	Control - dark	03 seed	0.00%		
	2003/02	0% smoke water	01 seed	0.00%		
	2003/01	5% smoke water / 1 hr	01 seed	0.00%		
	2003/01	5% smoke water / 1 hr	02 seed	0.00%		
	2003/01	5% smoke water / 1 hr	03 seed	0.00%		
	2003/01	5% smoke water / 1 hr -dark	01 seed	0.00%		
	2003/01	5% smoke water / 1 hr -dark	02 seed	0.00%		
	2003/01	5% smoke water / 1 hr -dark	03 seed	0.00%		
	2003/02	10% smoke water	02 seed	0.00%		
	2003/02	10% smoke water	03 seed	0.00%		
	2003/02	10% smoke water -dark	01 seed	0.00%		
	2003/02	10% smoke water -dark	02 seed	0.00%		
	2003/02	10% smoke water -dark	03 seed	0.00%		
	2003/02	100mg GA / 24 hr	03 seed	4.00%		
	2003/02	100mg GA / 24 hr -dark	03 seed	0.00%		
	2003/02	1000mg GA / 24 hr	03 seed	5.30%		
	2003/02	1000mg GA / 24 hr -dark	03 seed	0.00%		
	2003/02	2:4 stratification (2 wk @ 30 C:4 wk @ 4C)	01 seed	0.00%		
	2003/02	2:4 stratification	02 seed	0.00%		
	2003/02	2:4 stratification	03 seed	0.00%		
	2003/02	4:4 stratification	01 seed	0.00%		
	2003/02	4:4 stratification	02 seed	0.00%		
	2003/02	4:4 stratification	03 seed	0.00%		
	2003/02	8:4 stratification	01 seed	0.00%		
	2003/02	8:4 stratification	02 seed	0.00%		
	2003/02	8:4 stratification	03 seed	0.00%		
	2003/02	12:4 stratification	01 seed	0.00%		
	2003/02	12:4 stratification	02 seed	0.00%		
	2003/02	12:4 stratification	03 seed	0.00%		
	2003/02	16:4 stratification	01 seed	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	16:4 stratification	02 seed	0.00%		
	2003/02	16:4 stratification	03 seed	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010436	0.00%		
	2001/01	Control - field	010436	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010436	0.00%		
	2001/01	1% smoke water / 1 hr - field	010436	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010436	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010436	0.00%		
	2003/07	*1 rep @ 30 seed for scarified treatments, 3 reps @ 50 seeds for all other treatments. all treatments sown on water agar in petri dish, sown in incubator at 15/5 C alternating light				
	2003/07	Heat pulse (110 C / 1 hr)	030240	0.00%		
	2003/07	100mg GA / 24 hr	030240	0.30%		
	2003/07	5% smoke water / 1 hr	030240	0.00%		
	2003/07	5% smoke water / 24 hr	030240	0.00%		
	2003/07	Scarification (Removal of aril & hole in top of seed)	030240	0.00%		
	2003/07	Scarification & 5% smoke water / 24 hr	030240	0.00%		
	2003/07	Scarification & 100mg GA / 24 hr	030240	0.00%		
Hypocalymma angustifolium	2001/01	* sown in punnets with soil in incubator 18/10C. Field samples sown in the field February 2001, watered every second day				
	2001/01	Control - field	010229	15.60%		
	2001/01	Control - incubator	010229	2.00%		
	2001/01	1% smoke water / 1 hr - field	010229	18.00%		
	2001/01	1% smoke water / 1 hr - incubator	010229	4.00%		
	2001/01	Aerosol smoke / 1 hr - field	010229	3.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010229	0.00%		
	2004/09	Seeds sown in agar 5/15C incubator				
	2004/09	Control	030673	0.67%	62	1

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2004/09	Control	030542	2.00%	66	3
	2004/09	Control	040646	2.00%	78	3
	2004/09	Control	040627	10.67%	60	21
	2004/09	500 mg/L GA3 / 24hrs	030673	0.67%	62	1
	2004/09	500 mg/L GA3 / 24hrs	030542	19.33%	66	29
	2004/09	500 mg/L GA3 / 24hrs	040646	30.00%	78	38
	2004/09	500 mg/L GA3 / 24hrs	040627	19.33%	60	37
	2004/09	1000 mg/L GA3 / 24hrs	030673	1.33%	62	2
	2004/09	1000 mg/L GA3 / 24hrs	030542	23.33%	66	35
	2004/09	1000 mg/L GA3 / 24hrs	040646	34.67%	78	44
	2004/09	1000 mg/L GA3 / 24hrs	040627	16.67%	60	32
	2004/09	5 % smoke water / 1 hr	030673	0.00%	62	0
	2004/09	5 % smoke water / 1 hr	030542	30.67%	66	46
	2004/09	5 % smoke water / 1 hr	040646	26.67%	78	34
	2004/09	5 % smoke water / 1 hr	040627	10.67%	60	29
	2005/02	5 % smoke water / 1 hr	040646	33.33%	78	35.09
	2005/02	5 % smoke water / 24 hrs	040646	26.67%	78	28.07
Hypocalymma robustum	2003/02	* 3 reps @ 10 - 25 seeds. sown in petri dishes on water agar, sown in incubator at 15/5 C alternating light				
	2003/02	Control	03 seed	15.30%		
	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010501	0.00%		
	2001/01	Control - field	010501	5.00%		
	2001/01	1% smoke water / 1 hr - incubator	010501	1.00%		
	2001/01	1% smoke water / 1 hr - field	010501	24.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010501	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010501	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Isotoma hypoc crateriformis		* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	990293	6.00%		
	2001/01	Control - field	990293	7.00%		
	2001/01	1% smoke water / 1 hr - incubator	990293	2.00%		
	2001/01	1% smoke water / 1 hr - field	990293	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	990293	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	990293	4.00%		
	Jacksonia alata	2005/09	Control	040863	5.33%	95
2005/09		30s boil	040863	72.67%	95	76.49
2005/09		80C heat pulse / 45 mins	040863	8.67%	95	9.12
Jacksonia furcellata	1991/08	Control	91594	18.00%		
	2005/09	Control	040846	14.00%	65	21.54
	1991/08	30s boil	91594	32.00%		
	2005/09	30s boil	040846	36.00%	65	55.38
	1991/08	1 min boil	91594	30.00%		
	1991/08	2 min boil	91594	26.00%		
	1991/08	scarify	91594	44.00%		
	2005/09	80C heat pulse / 45 mins	040846	22.67%	65	34.87
Johnsonia lupulina		*incubated at 10/18 C, water every 2nd day, sown in soil punnets, 4 reps @ 25 seed				
	1998/12	Control	950615	0.00%		
	1998/12	Scarified (rubbed between sand paper)	950615	0.00%		
	1998/12	1% smoke water / 1 hour	950615	0.00%		
	1998/12	50mg / L GA for 1 minute	950615	0.00%		
	1998/12	Smoke water then GA	950615	0.00%		
	1998/12	Scarified then smoke water	950615	0.00%		
	1998/12	Scarified then GA	950615	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1999/01	*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed				
	1999/01	Control	970676	0.00%		
	1999/01	Scarified (rubbed between sandpaper)	970676	0.00%		
	1999/01	Heat (55C / 3 hr) & scarified & smoke & GA	970676	0.00%		
	1999/01	1% smoke water / 1 hour	970676	1.00%		
	1999/01	50mg GA / L / 24 hr	970676	0.00%		
	1999/01	Scarified & smoke & GA	970676	0.00%		
	1999/01	Scarified & smoke	970676	0.00%		
	1999/01	Scarified & GA	970676	0.00%		
	1999/01	Smoke & GA	970676	0.00%		
Kennedia carinata	1991/08	Control	88341	18.00%		
	2005/09	Control	950295	1.33%	85	1.57
	1991/08	30s boil	88341	0.00%		
	2005/09	30s boil	950295	72.67%	85	85.49
	1991/08	1 min boil	88341	1.00%		
	1991/08	2 min boil	88341	0.00%		
	1991/08	scarify	88341	13.00%		
	2005/09	80C heat pulse / 45 mins	950295	72.67%	85	85.49
Kennedia coccinea	1990/05	Control	90181	23.00%		
	1990/05	Control	90205	9.00%		
	1990/05	30s boil	90181	93.00%		
	1990/05	30s boil	90205	94.00%		
	1990/05	1 min boil	90181	89.00%		
	1990/05	1 min boil	90205	90.00%		
	1990/05	2 min boil	90181	73.00%		
	1990/05	2 min boil	90205	83.00%		
	1990/05	5 min boil	90181	7.00%		
	1990/05	5 min boil	90205	12.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/02	Germination of seed that had been boiled and stored at 4C for 1 month	040491	67.33%	91.67	73.45
	2005/05	Heat pulse at 60C for 1 hour	030705	86.00%	100	86
	2005/05	Heat pulse at 60C for 1 hour	040144	86.67%	100	86.67
	2005/05	Heat pulse at 60C for 1 hour	030426	89.33%	100	89.33
	2005/05	Heat pulse at 100C for 0.5 hours	030705	91.33%	100	91.33
	2005/05	Heat pulse at 100C for 0.5 hours	040144	72.00%	100	72
	2005/05	Heat pulse at 100C for 0.5 hours	030426	86.00%	100	86
Kennedia prostrata	1991/08	Control	91308	66.00%		
	1991/08	Control	90192	41.00%		
	1991/08	Control	90305	25.00%		
	1991/08	Control	90308	72.00%		
	1991/08	30s boil	90192	44.00%		
	1991/08	30s boil	90305	21.00%		
	1991/08	30s boil	90308	29.00%		
	1991/08	30s boil	91308	9.00%		
	1991/08	1 min boil	90192	45.00%		
	1991/08	1 min boil	90305	36.00%		
	1991/08	1 min boil	90308	13.00%		
	1991/08	1 min boil	91308	2.00%		
	1991/08	2 min boil	90192	37.00%		
	1991/08	2 min boil	90305	32.00%		
	1991/08	2 min boil	90308	8.00%		
	1991/08	2 min boil	91308	1.00%		
	1991/08	5 min boil	90192	23.00%		
	1991/08	5 min boil	90308	1.00%		
	1991/08	scarify	91308	79.00%		
	1991/08	scarify	90305	31.00%		
	2005/02	Germination of seed which had been boiled then stored for 1 mth	040425	52.00%	71.67	72.56

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/02	Germination of seed which had been boiled then stored for 1 mth	040465	74.67%	80	93.33
	2005/02	Germination of seed which had been boiled and stored for an unknown duration	040439	92.67%	95	97.54
	2005/02	Germination of seed which had been boiled and stored for an unknown duration	040758	32.00%	58.33	54.86
	2005/05	60C heat pulse for 1 hour	040075	59.33%	90	65.93
	2005/05	60C heat pulse for 1 hour	040171	77.33%	90	85.93
	2005/05	60C heat pulse for 1 hour	050158	80.00%	86.67	92.3
	2005/05	100C heat pulse for 0.5 hours	040075	54.67%	90	60.74
	2005/05	100C heat pulse for 0.5 hours	040171	66.67%	90	74.07
	2005/05	100C heat pulse for 0.5 hours	050158	76.00%	86.67	87.69
	2005/09	Control	040075	50.67%	95	53.33
	2005/09	30s boil	040075	34.00%	95	35.79
	2005/09	80C heat pulse / 45 mins	040075	56.67%	95	59.65
Labichea lanceolata	1991/08	Control	91726	33.00%		
	1991/08	30s boil	91726	79.00%		
	1991/08	1 min boil	91726	68.00%		
	1991/08	2 min boil	91726	80.00%		
	1991/08	scarify	91726	31.00%		
Labichea punctata	2003/08	* 3 reps @ 50 seed, sown on water agar in petri dishes, in alternating light, in incubator 15/5 C				
	2003/08	30 seconds in boiling water	020199	84.70%		
	2003/08	30 seconds in boiling water	030275	81.30%		
	2003/08	30 seconds in boiling water	030453	56.00%		
	2003/08	30 seconds in boiling water (Seed was picked green - too immature)	030354	0.00%		
	2003/08	2 x 30 seconds in boiling water (Seed looked like it hadn't been treated, so was re-treated)	030453	22.70%		
	2004/09	* 3 reps @ 50 seeds sown in soil filled punnets				
	2004/09	Control	030270	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2004/09	Control	040467	1.33%		
	2004/09	Control	040673	0.67%		
	2004/09	30s boiling	030270	0.00%		
	2004/09	30s boiling	040467	35.33%		
	2004/09	30s boiling	040673	0.00%		
	2004/09	1 mth at room temperature / 30 s boiling	030270	8.67%		
	2004/09	1 mth at room temperature / 30 s boiling	040467	25.33%		
	2004/09	1 mth at room temperature / 30 s boiling	040673	6.67%		
	2004/09	2 wks at 30C / 30s boiling	030270	30.00%		
	2004/09	2 wks at 30C / 30s boiling	040467	41.33%		
	2004/09	2 wks at 30C / 30s boiling	040673	61.33%		
		* 3 reps @ 50 seeds sown in soil filled punnets				
	1991/08	Control	91582	28.00%		
	1991/08	Control	91584	82.00%		
	2005/09	Control	50502	6.00%	80	7.5
	1991/08	30s boil	91582	62.00%		
	1991/08	30s boil	91584	43.00%		
	2005/09	30s boil	050502	22.67%	80	28.33
	1991/08	1 min boil	91584	25.00%		
	1991/08	1 min boil	91582	49.00%		
	1991/08	2 min boil	91582	19.00%		
	1991/08	2 min boil	91584	16.00%		
	1991/08	scarify	91582	41.00%		
	1991/08	scarify	91584	91.00%		
	2005/09	80C heat pulse / 45 mins	050502	8.00%	80	10
Lagenifera huegelii	2004/01	Agar media in petri-dish, incubator set at 5/15C		66.60%		
	2004/01	Potting media in punnet, shadehouse watered twice daily		9.67%		
Lechenaultia biloba	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - incubator	010028	0.00%		
	2001/01	Control - field	010028	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010028	1.00%		
	2001/01	1% smoke water / 1 hr - field	010028	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010028	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	010028	2.00%		
	2003/07	3 reps @ 50 seed, sown on water agar in petri dishes. Incubated 15/5 C alternating light (Embryo length also measured after each treatment)				
	2003/07	whole seeds placed dry in 30 C and 15/5 C, embryo measured every 2 weeks for 6 weeks, 3 reps @ 10				
	2003/07	Heat pulse (110 C / 1 hr)	030356	0.00%		
	2003/07	Constant heat (33 C / 163 hr)	030356	0.00%		
	2003/07	Scarified (both ends cut to expose endosperm)	030356	6.70%		
	2003/07	Scarified & 100mg GA / 24 hr	030356	4.70%		
	2003/07	Heat pulse (110 C / 1 hr)	030067	0.00%		
	2003/07	Constant heat (33 C / 163 hr)	030067	0.00%		
	2003/07	Scarified (both ends cut to expose endosperm)	030067	6.70%		
	2003/07	Scarified & 100mg GA / 24 hr	030067	14.70%		
Lepidosperma squamatum	1998/01	4 reps @ 25 seed, sown in soil punnets, incubated at 10/18 C, water every 2nd day				
	1998/01	Cool store = seed stored prior at 4C / 21 days				
	1998/01	Warm store = seed stored prior at 23C / 21 days				
	1998/01	Cool store, control	1998	0.00%		
	1998/01	Cool store, 500 mg GA / 2 seconds	1998	0.00%		
	1998/01	Cool store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Cool store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Cool store, Heat & GA	1998	0.00%		
	1998/01	Cool store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Cool store, Heat & smoke water	1998	0.00%		
	1998/01	Cool store, smoke water & GA	1998	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/01	Warm store, control	1998	0.00%		
	1998/01	Warm store, 500 mg GA / 2 seconds	1998	0.00%		
	1998/01	Warm store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Warm store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Warm store, Heat & GA	1998	0.00%		
	1998/01	Warm store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Warm store, Heat & smoke water	1998	0.00%		
	1998/01	Warm store, smoke water & GA	1998	0.00%		
Lepidosperma tenue	1998/01	4 reps @ 25 seed, sown in soil punnets, incubated at 10/18 C, water every 2nd day. Warm store = seed stored prior at 23C / 21 days, Cool store = seed stored prior at 4C / 21 days				
	1998/01	Cool store, control	1998	0.00%		
	1998/01	Cool store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Cool store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Cool store, 500 mg GA / 2 seconds	1998	0.00%		
	1998/01	Cool store, Heat & smoke water	1998	0.00%		
	1998/01	Cool store, Heat & GA	1998	0.00%		
	1998/01	Cool store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Cool store, smoke water & GA	1998	0.00%		
	1998/01	Warm store, control	1998	0.00%		
	1998/01	Warm store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Warm store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Warm store, 500 mg GA / 2 seconds	1998	0.00%		
	1998/01	Warm store, Heat & smoke water	1998	0.00%		
	1998/01	Warm store, Heat & GA	1998	0.00%		
	1998/01	Warm store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Warm store, smoke water & GA	1998	0.00%		
Leptomeria cunninghamii	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - incubator	010360	0.00%		
	2001/01	Control - field	010360	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010360	0.00%		
	2001/01	1% smoke water / 1 hr - field	010360	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010360	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010360	0.00%		
Leucopogon nutans	1998/01	Incubated in dark at 18 C, water every 2nd day. Sown in soil punnets, 4 reps @ 25 seed. Warm store = seed stored prior at 23C / 21 days				
	1998/01	Warm store, Heat 50C / 3 hour	970658	0.00%		
	1998/01	Warm store, 10% Smoke water / 1 hour	970658	0.00%		
	1998/01	Warm store, 500 mg GA / 2 seconds	970658	0.00%		
	1998/01	Warm store, Scarified	970658	0.00%		
	1998/01	Warm store, Heat & scarified	970658	0.00%		
	1998/01	Warm store, Heat & smoke water	970658	0.00%		
	1998/01	Warm store, Heat & GA	970658	0.00%		
	1998/01	Warm store, Heat & scarified & smoke water	970658	0.00%		
	1998/01	Warm store, Heat & scarified & GA	970658	0.00%		
	1998/01	Warm store, Heat & scarified & smoke water & GA	970658	1.00%		
	1998/01	Warm store, Heat & smoke water & GA	970658	0.00%		
	1998/01	Warm store, Scarified & smoke water	970658	2.00%		
	1998/01	Warm store, Scarified & GA	970658	0.00%		
	1998/01	Warm store, Scarified & smoke water & GA	970658	0.00%		
	1998/01	Warm store, smoke water & GA	970658	0.00%		
	1998/01	Warm store, control	970658	0.00%		
	2003/02	* 3 reps @ 10 - 25 seeds, sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control	030109	0.00%		
	2003/02	100mg GA / 24 hr	030109	0.00%		
	2003/02	1000mg GA / 24 hr	030109	10.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2003/02	100 C / 3 hr	030109	0.00%		
	2003/02	Excised embryo	030109	0.00%		
	2003/02	2:4 stratification (2wk @ 30 C:4 wk @ 4C)	030109	0.00%		
	2003/02	4:4 stratification	030109	0.00%		
	2003/02	8:4 stratification	030109	0.00%		
	2003/02	12:4 stratification	030109	0.00%		
	2003/02	16:4 stratification	030109	0.00%		
Leucopogon propinquus	2003/02	* 3 reps of 10 - 25 seeds sown on water agar in petri dishes, sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	Control	030110	0.00%		
	2003/02	100mg GA / 24 hr	030110	0.00%		
	2003/02	1000mg GA / 24 hr	030110	10.00%		
	2003/02	100 C / 3 hr	030110	0.00%		
	2003/02	Excised embryo	030110	0.00%		
	2003/02	2:4 stratification (2wk @ 30 C:4 wk @ 4C)	030110	0.00%		
	2003/02	4:4 stratification	030110	0.00%		
	2003/02	8:4 stratification	030110	0.00%		
	2003/02	12:4 stratification	030110	0.00%		
	2003/02	16:4 stratification	030110	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010318	0.00%		
	2001/01	Control - field	010318	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010318	0.00%		
	2001/01	1% smoke water / 1 hr - field	010318	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010318	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010318	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Leucopogon verticillatus	2003/02	* 3 reps @ 10 - 25 seeds, sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp				
	2003/02	2:4 stratification (2wk @ 30 C:4 wk @ 4C)				
	2003/02	4:4 stratification & 1000 mg GA / 24 hr				
	2003/02	6:7 stratification				
	2003/02	8:7 stratification				
	2001/01	* sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010231	0.00%		
	2001/01	Control - field	010231	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010231	0.00%		
	2001/01	1% smoke water / 1 hr - field	010231	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010231	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010231	0.00%		
Lomandra micrantha	2003/02	* 3 reps @ 10 - 25 seeds. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	Control		0.00%		
	2003/02	200mg GA / 24 hr		0.00%		
Lomandra preissii	1998/01	Incubated at 10/18 C, water every 2nd day, 4 reps @ 25 seeds. sown in soil punnets, 4 reps @ 25 seed. Warm store =seed stored prior at 23C / 21 days, Cool store = seed stored prior at 4C / 21 days				
	1998/01	Cool store, control	970765	8.00%		
	1998/01	Cool store, Heat 50C / 3 hour	970765	8.00%		
	1998/01	Cool store, 10% Smoke water / 1 hour	970765	10.00%		
	1998/01	Cool store, 500 mg GA / 2 seconds	970765	3.00%		
	1998/01	Cool store, Scarified	970765	13.00%		
	1998/01	Cool store, Heat & scarified	970765	19.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/01	Cool store, Heat & smoke water	970765	14.00%		
	1998/01	Cool store, Heat & GA	970765	17.00%		
	1998/01	Cool store, Heat & scarified & smoke water	970765	16.00%		
	1998/01	Cool store, Heat & scarified & GA	970765	12.00%		
	1998/01	Cool store, Heat & scarified & smoke water & GA	970765	15.00%		
	1998/01	Cool store, Heat & smoke water & GA	970765	19.00%		
	1998/01	Cool store, Scarified & smoke water	970765	12.00%		
	1998/01	Cool store, Scarified & GA	970765	21.00%		
	1998/01	Cool store, Scarified & smoke water & GA	970765	29.00%		
	1998/01	Cool store, smoke water & GA	970765	25.00%		
	1998/01	Warm store, control	970765	25.00%		
	1998/01	Warm store, Heat 50C / 3 hour	970765	16.00%		
	1998/01	Warm store, 10% Smoke water / 1 hour	970765	14.00%		
	1998/01	Warm store, 500 mg GA / 2 seconds	970765	22.00%		
	1998/01	Warm store, Scarified	970765	15.00%		
	1998/01	Warm store, Heat & scarified	970765	17.00%		
	1998/01	Warm store, Heat & smoke water	970765	26.00%		
	1998/01	Warm store, Heat & GA	970765	19.00%		
	1998/01	Warm store, Heat & scarified & smoke water	970765	13.00%		
	1998/01	Warm store, Heat & scarified & GA	970765	3.00%		
	1998/01	Warm store, Heat & scarified & smoke water & GA	970765	9.00%		
	1998/01	Warm store, Heat & smoke water & GA	970765	16.00%		
	1998/01	Warm store, Scarified & smoke water	970765	11.00%		
	1998/01	Warm store, Scarified & GA	970765	18.00%		
	1998/01	Warm store, Scarified & smoke water & GA	970765	24.00%		
	1998/01	Warm store, smoke water & GA	970765	19.00%		
	1998/12	*incubated in dark at 10/18 C, water every 2nd day, sown in soil punnets, 4 reps @ 25 seed				
	1998/12	Scarified (rubbed between fine sandpaper) & 1% smoke water / 1 hour	970765	19.00%		
	1998/12	Scarified & smoke & 10 mg / L GA / 24 hr	970765	27.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/12	Scarified & smoke & 25 mg / L GA / 24 hr	970765	27.00%		
	1998/12	Scarified & smoke & 50 mg / L GA / 24 hr	970765	29.00%		
	1998/12	Scarified & smoke & 100 mg / L GA / 24 hr	970765	28.00%		
	1998/12	Scarified & smoke & 500 mg / L GA / 24 hr	970765	38.00%		
	2000/01	*Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Scarification & smoke water & GA	990397	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990397	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990397	0.00%		
	2001/02	* Sown in punnets with soil in incubator 18/10C, watered every second day. Field samples sown in the field February 2001				
	2001/02	Control - incubator	010264	0.00%		
	2001/02	Control - field	010264	1.00%		
	2001/02	1% smoke water / 1 hr - incubator	010264	0.00%		
	2001/02	1% smoke water / 1 hr - field	010264	4.00%		
	2001/02	Aerosol smoke / 1 hr - incubator	010264	0.00%		
	2001/02	Aerosol smoke / 1 hr - field	010264	0.00%		
	1999/03	* 4 reps x 25 seed, scarified + smoke water (1%) + GA3 (500mg/l), stored at 4C, Glasshouse trial, Jarrah Forest soil in punnets, watered daily				
	1999/03	Nil storage		0.00%		
	1999/03	1 weeks storage		0.00%		
	1999/03	2 weeks storage		0.00%		
	1999/03	1 month storage		0.00%		
	1999/03	3 month storage		0.00%		
	1999/03	6 month storage		0.00%		
	1999/03	9 month storage		0.00%		
	1999/03	12 month storage		0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Lomandra sonderi	2003/02	* Sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light, 3 reps @ 10 - 25 seeds				
	2003/02	Control		0.00%		
	2003/02	200mg GA / 24 hr & pericarp removed		0.00%		
	2001/01	* Sown in punnets with soil in incubator 18/10C. watered every second day, filed samples sown in the field February 2001				
	2001/01	Control - incubator	010025	0.00%		
	2001/01	Control - field	010025	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010025	0.00%		
	2001/01	1% smoke water / 1 hr - field	010025	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010025	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010025	0.00%		
	2001/04	1 hr imbibition in DI water	010025	0.00%		
	2001/04	1 hr imbibition in 1% smoke water	010025	0.00%		
	2001/04	12 hr imbibition in DI water	010025	0.00%		
	2001/04	12 hr imbibition in 1% smoke water	010025	0.00%		
Macrozamia riedlei	2004	surface sown seed (Boddington) (27% emergence / 8 % establishment)		n/a		
	2004	buried seed (5-10cm (Huntly) (30 % emergence / 29 % establishment)		n/a		
	2004	1 year old seed (Huntly) (43 % emergence / 34 % establishment)		n/a		
	2004	2 year old seed (Huntly) (31 % emergence / 22 % establishment)		n/a		
	2004	sown in early autumn (Huntly) (27 % emergence / 11 % establishment)		n/a		
	2004	sown in summer (Boddington) (7 % emergence / 3 % establishment)		n/a		
	2004	sown in summer (Huntly) (29 % emergence / 22 % establishment)		n/a		
	2004	sown in late autumn (Huntly) (7 % emergence / 3 % establishment)		n/a		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2004	sown in winter (Huntly) (57 % emergence / 34 % establishment)		n/a		
	2004	buried seed (5-10cm) (Boddington) (22) % emergence / 17 % establishment)		n/a		
	2004	1 year old seed (Boddington) (30) % emergence / 17 % establishment)		n/a		
	2004	2 year old seed (Boddington) (19) % emergence / 8 % establishment)		n/a		
	2004	sown in late autumn (Boddington) (36) % emergence / 24 % establishment)		n/a		
	2004	surface sown seed (Huntly) (44% emergence / 28 % establishment)		n/a		
	2004	sown in early autumn (Boddington) (42) % emergence / 32 % establishment)		n/a		
	2004	sown in winter (Boddington) (41) % emergence / 36 % establishment)		n/a		
		At both sites, there was a significant interaction between seed depth and sowing season				
Marianthus bicolor	2000/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	990235	2.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	990235	30.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	990235	9.00%		
	2000/01	Scarification & smoke water then soaked in GA	990235	33.00%		
	2000/01	Smoke water & then soaked in GA	990235	21.00%		
	2000/01	Heat pulse 120C / 30 mins	990235	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990235	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990235	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990235	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990235	0.00%		
	2000/01	Heat pulse 100C / 3 hours	990235	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990235	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990235	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990235	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990235	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010059	0.00%		
	2001/01	Control - field	010059	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010059	18.00%		
	2001/01	1% smoke water / 1 hr - field	010059	18.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010059	11.00%		
	2001/01	Aerosol smoke / 1 hr - field	010059	9.00%		
	2001/04	* sown in punnets with soil in incubator 18/10C. watered every second day				
	2001/04	1 hr imbibition in DI water	010059	1.00%		
	2001/04	1 hr imbibition in 1% smoke water	010059	61.00%		
	2001/04	12 hr imbibition in DI water	010059	1.00%		
	2001/04	12 hr imbibition in 1% smoke water	010059	21.00%		
	2002/01	Smoke	020025	3.30%		
	2003/08	*3 reps @ 50 seeds, sown on water agar in petri dishes, in alternating light, in incubator 15/5 C				
	2003/08	Pre-treated with smoke water	020029	81.10%		
	2003/08	Aerosol smoked / 1 hour	fresh seed	6.70%		
Mirbelia dilatata	1990/05	Control	89231	61.00%		
	1990/05	Control	90333	5.00%		
	1990/05	30s boil	89231	76.00%		
	1990/05	30s boil	90333	75.00%		
	1990/05	1 min boil	89231	60.00%		
	1990/05	1 min boil	90333	71.00%		
	1990/05	2 min boil	89231	47.00%		
	1990/05	2 min boil	90333	75.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	5 min boil	89231	35.00%		
	1990/05	5 min boil	90333	79.00%		
Neurachne alopecuroidea	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day, filed samples sown in the field February 2001				
	2001/01	Control - incubator	010149	22.00%		
	2001/01	Control - field	010149	28.00%		
	2001/01	1% smoke water / 1 hr - incubator	010149	20.00%		
	2001/01	1% smoke water / 1 hr - field	010149	29.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010149	6.70%		
	2001/01	Aerosol smoke / 1 hr - field	010149	21.00%		
	2001/04	* sown in punnets with soil in incubator 18/10C. watered every second day				
	2001/04	1 hr imbibition in DI water	010149	31.00%		
	2001/04	1 hr imbibition in 1% smoke water	010149	33.00%		
	2001/04	12 hr imbibition in DI water	010149	28.00%		
	2001/04	12 hr imbibition in 1% smoke water	010149	35.00%		
Olearia rudis	2005/11	Control		4.53%		
	2005/11	60C heat pulse / 1 hour		4.53%		
Orthrosanthus laxus	2000/01	*Sown on top of soil in punnets, left outside. Watered daily by sprinklers. 4 reps @ 25 seeds				
	2000/01	Control	000390	40.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	000390	60.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	000390	66.00%		
	2000/01	Scarification & smoke water then soaked in GA	000390	70.00%		
	2000/01	Smoke water & then soaked GA	000390	55.00%		
	2000/01	Heat pulse 120C / 30 mins	000390	9.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	000390	18.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	000390	16.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat puls 120C / 30 mins & scarification & GA	000390	8.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	000390	15.00%		
	2000/01	Heat pulse 100C / 3 hours	000390	21.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	000390	29.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	000390	18.00%		
	2000/01	Heat puls 100C / 3 hours & scarification & GA	000390	25.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	000390	31.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
	2001/01	Control - incubator	010317	3.00%		
	2001/01	Control - field	010317	9.00%		
	2001/01	1% smoke water / 1 hr - incubator	010317	0.00%		
	2001/01	1% smoke water / 1 hr - field	010317	8.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010317	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	010317	10.00%		
	2003/02	* 3 reps @ 10 - 25 seeds, sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	12:4 strat (12 wk @ 30c : 4 wk @ 4C	2003	16.60%		
	2003/02	16:4 strat (16 wk @ 30c : 4 wk @ 4C	2003	18.60%		
	2003/02	Control	2000	24.40%		
	2003/02	Control	2003	42.20%		
	2003/02	10% smoke water / 1 hr	2003	13.30%		
	2003/02	4:4 stratification (2wk @ 30 C:4 wk @ 4C)	2003	4.40%		
Oxylobium cuneatum	1991/08	Control	910677	4.00%		
	2005/09	Control	910677	6.00%	90	6.67
	1991/08	30s boil	910677	45.00%		
	2005/09	30s boil	910677	80.00%	90	88.89

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/08	1 min boil	910677	39.00%		
	1991/08	2 min boil	910677	14.00%		
	1991/08	scarify	910677	22.00%		
	2005/09	80C heat pulse / 45 mins	910677	81.33%	90	90.37
Oxylobium lanceolatum	1991/08	Control	900387	8.00%		
	1991/08	30s boil	900387	87.00%		
	1991/08	1 min boil	900387	83.00%		
	1991/08	2 min boil	900387	74.00%		
	1991/08	scarify	900387	63.00%		
Paraserianthes lophantha	1990/05	Control	880343	2.00%		
	2005/09	Control	880343	0.00%	70	0
	1990/05	30s boil	880343	40.00%		
	2005/09	30s boil	880343	74.00%	70	105.71
	1990/05	1min boil	880343	45.00%		
	1990/05	2 min boil	880343	42.00%		
	1990/05	5 min boil	880343	51.00%		
	2005/09	80C heat pulse / 45 mins	880343	8.67%	70	12.38
Patersonia occidentalis	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
	2001/01	Control - incubator	980635	0.00%		
	2001/01	Control - field	980635	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	980635	0.00%		
	2001/01	1% smoke water / 1 hr - field	980635	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	980635	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	980635	0.00%		
Patersonia rudis	2003/02	* 3 reps @ 10 - 25 seeds. Sown on water agar in petri dishes. Incubator at 15/5 C alternating light. Stratification was moist				
	2003/02	4:4 stratification (2 weeks @ 30 C : 4 weeks @ 4C) & 1000mg GA / 24 hr		0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG	
	2003/02	8:10 stratification		0.00%			
	2003/02	8:7 stratification		0.00%			
	2003/02	Seed coat removed	2001	40.00%			
Persoonia longifolia		*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed					
	1998/12	Control	980614	0.00%			
	1998/12	Scarified (rubbed between sand paper)	980614	0.00%			
	1998/12	1% smoke water / 1 hour	980614	0.00%			
	1998/12	50mg / L GA for 1 minute	980614	0.00%			
	1998/12	Smoke water then GA	980614	0.00%			
	1998/12	Scarified then smoke water	980614	0.00%			
	1998/12	Scarified then GA	980614	0.00%			
			* 3 reps @ 10 - 25 seeds. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist				
	2003/02	6:6 stratification (2 weeks @ 30 C : 4 weeks @ 4C)		0.00%			
	2003/02	6:6 stratification & 1000mg GA / 24 hr		0.00%			
	2003/02	6:6 stratification & GA & chipped		0.00%			
		2003/02	8:10 stratification		0.00%		
	2003/02	8:10 stratification & GA		0.00%			
	2003/02	8:10 stratification & GA & chipped		0.00%			
Philothea spicatum		*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed					
	1998/12	Control	980308	8.00%			
	1998/12	1% smoke water / 1 hour	980308	10.00%			
	1998/12	50mg GA / L / 24 hr	980308	11.00%			
	1998/12	Scarified (rubbed between sandpaper)	980308	10.00%			
	1998/12	Smoke & GA	980308	6.00%			
	1998/12	Scarified & GA	980308	7.00%			
	1998/12	Scarified & smoke	980308	12.00%			
	1998/12	Scarified & smoke & GA	980308	10.00%			

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/12	Heat (55C / 3 hr) & scarified & smoke & GA	980308	8.00%		
	2000/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Heat pulse 120C / 30 mins	980308	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	980308	2.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	980308	1.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	980308	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	980308	0.00%		
	2000/01	Heat pulse 100C / 3 hours	980308	1.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smokewater	980308	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	980308	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	980308	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	980308	2.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
	2001/01	Control - incubator	990155	0.00%		
	2001/01	Control - field	990155	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	990155	3.00%		
	2001/01	1% smoke water / 1 hr - field	990155	6.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	990155	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	990155	1.00%		
Phyllanthus calycinus	1997	Control (germinated in the field by Roche et al, no broadcast seed applied)	n/a	26.67%		
	1997	Smoke water 1L/m2 (germination in the field no broadcast seed applied)	n/a	56.67%		
	1990/05	Control	890282	2.00%		
	1990/05	Control	900252	9.00%		
	1990/05	30s boil	890282	0.00%		
	1990/05	30s boil	900252	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	1 min boil	900252	0.00%		
	1990/05	1 min boil	890282	0.00%		
	1990/05	2 min boil	890282	0.00%		
	1990/05	2 min boil	900252	0.00%		
	1990/05	5 min boil	890282	0.00%		
	1990/05	5 min boil	900252	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010327	42.00%		
	2001/01	Control - field	010327	15.00%		
	2001/01	1% smoke water / 1 hr - incubator	010327	49.00%		
	2001/01	1% smoke water / 1 hr - field	010327	31.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010327	53.00%		
	2001/01	Aerosol smoke / 1 hr - field	010327	19.00%		
	2001/11	Control	020035	12.70%		
	2001/11	Control	020036	29.30%		
	2001/11	Aerosol smoke	010189	45.30%		
	2005/09	Control	040730	4.00%	95	4.21
	2005/09	30s boil	040730	3.33%	95	3.51
	2005/09	80C heat pulse / 45 mins	040730	1.33%	95	1.4
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
Pimelia ciliata	2001/01	Control - incubator	010041	0.00%		
	2001/01	Control - field	010041	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010041	5.00%		
	2001/01	1% smoke water / 1 hr - field	010041	5.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010041	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	010041	4.00%		
	2001/04	* sown in punnets with soil in incubator 18/10C. watered every second day				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/04	1 hr imbibition in DI water	010041	0.00%		
	2001/04	1 hr imbibition in 1% smoke water	010041	0.00%		
	2001/04	12 hr imbibition in DI water	010041	0.00%		
	2001/04	12 hr imbibition in 1% smoke water	010041	1.00%		
	2003/02	*3 reps @ 10 - 25 seed. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	Control	03 seed	0.00%		
	2003/02	10% smoke water / 1 hr	03 seed	0.00%		
	2003/02	10% smoke water / 1 hr & excised embryo	03 seed	0.00%		
	2003/02	200mg GA / 24 hr	03 seed	1.10%		
	2003/02	200mg GA / 24 hr & seed coat removed	03 seed	4.70%		
Pimelia lehmanniana	2003/02	*3 reps @ 10 - 25 seed. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	Control		0.00%		
	2003/02	10% smoke water / 1 hr		0.00%		
	2003/02	10% smoke water / 1 hr & excised embryo		0.00%		
	2003/02	200mg GA / 24 hr		0.00%		
Pimelia suaveolens	2003/02	*3 reps @ 10 - 25 seed. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	Control	2003	0.00%		
	2003/02	10% smoke water / 1 hr	2003	1.70%		
	2003/02	10% smoke water / 1 hr & excised embryo	2003	0.00%		
	2003/02	200mg GA / 24 hr	2003	0.00%		
	2003/02	200mg GA / 24 hr & seed coat removed	2003	0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
	2001/01	Control - incubator	010105	0.00%		
	2001/01	Control - field	010105	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010105	6.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	1% smoke water / 1 hr - field	010105	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010105	8.00%		
	2001/01	Aerosol smoke / 1 hr - field	010105	0.00%		
Podolepis gracilis	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. field samples sown in the field February 2001				
	2001/01	Control - incubator	010460	1.00%		
	2001/01	Control - field	010460	7.00%		
	2001/01	1% smoke water / 1 hr - incubator	010460	5.00%		
	2001/01	1% smoke water / 1 hr - field	010460	11.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010460	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	010460	4.00%		
Podolepis lessonii	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010049	2.00%		
	2001/01	Control - field	010049	2.00%		
	2001/01	1% smoke water / 1 hr - incubator	010049	1.00%		
	2001/01	1% smoke water / 1 hr - field	010049	7.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010049	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	010049	3.00%		
Pronaya fraseri	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010305	0.00%		
	2001/01	Control - field	010305	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010305	0.00%		
	2001/01	1% smoke water / 1 hr - field	010305	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010305	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010305	0.00%		
Ptilotus manglesii	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - incubator	010346	1.00%		
	2001/01	Control - field	010346	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010346	0.00%		
	2001/01	1% smoke water / 1 hr - field	010346	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010346	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	010346	1.00%		
Santalum acuminatum	2004/2005	* Note that germination % are calculated as the number of CRACKED nuts only that germinated,				
	2004/2005	Control (using uncracked seed)	040929	43.21%	70	
	2004/2005	40C / 24 hrs	040929	51.09%	70	
	2004/2005	55C / 48 hrs	040929	44.93%	70	
	2004/2005	70C / 48 hours	040929	46.59%	70	
	2004/2005	Silica drying method	040929	42.44%	70	
	2004/2005	Silica drying + 100 mg/L GA3	040929	72.76%	70	
Sollya heterophylla	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010042	21.00%		
	2001/01	Control - field	010042	8.00%		
	2001/01	1% smoke water / 1 hr - incubator	010042	26.00%		
	2001/01	1% smoke water / 1 hr - field	010042	14.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010042	28.00%		
	2001/01	Aerosol smoke / 1 hr - field	010042	15.00%		
Sphaerolobium medium	1991/03	Control	910181	10.00%		
	1991/03	Control	910553	13.00%		
	2002/02	Control	020200	7.30%		
	2005/09	Control	050521	2.00%	90	2.22
	1991/03	30s boil	910181	42.00%		
	1991/03	30s boil	910553	63.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/09	30s boil	050521	20.00%	90	22.22
	1991/03	1 min boil	910181	29.00%		
	1991/03	1 min boil	910553	58.00%		
	1991/03	2 min boil	910181	20.00%		
	1991/03	2 min boil	910553	36.00%		
	1991/03	scarify	910181	37.00%		
	1991/03	scarify	910553	36.00%		
	2005/09	80C heat pulse / 45 mins	050521	78.67%	90	87.41
Sphaerolobium vimineum	1991/03	Control	910215	12.00%		
	2005/09	Control	040428	12.67%	100	12.67
	1991/03	30s boil	910215	27.00%		
	2005/09	30s boil	040428	18.67%	100	18.67
	1991/03	1 min boil	910215	35.00%		
	1991/03	2 min boil	910215	24.00%		
	1991/03	scarify	910215	41.00%		
	2005/09	80C heat pulse / 45 mins	040428	50.00%	100	50
Spyridium globulosum	2005/07	Control	050284	30.67%		
	2005/07	60 C Heat pulse for 1 hour	050284	64.00%		
Stachystemon vermicularis	2003/02	*3 reps @ 10 -25 seed. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	100mg GA / 24 hr		0.00%		
Stackhousia monogyna	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010548	0.00%		
	2001/01	Control - field	010548	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010548	1.00%		
	2001/01	1% smoke water / 1 hr - field	010548	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010548	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	010548	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Stylidium amoenum	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010364	1.00%		
	2001/01	Control - field	010364	3.00%		
	2001/01	1% smoke water / 1 hr - incubator	010364	33.00%		
	2001/01	1% smoke water / 1 hr - field	010364	16.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010364	3.00%		
	2001/01	Aerosol smoke / 1 hr - field	010364	6.00%		
	2001/07	1 hr imbibition in DI water	010364	0.00%		
	2001/07	1 hr imbibition in 1% smoke water	010364	15.00%		
	2001/07	12 hr imbibition in DI water	010364	2.00%		
	2001/07	12 hr imbibition in 1% smoke water	010364	16.00%		
	2001/07	* sown in punnets with soil in incubator 18/10C				
	2001/07	* watered every second day				
	2001/04	* leached while sown in punnets with soil. leached in incubator @ 34/12C alternating light				
	2001/04	Control & leached (45mls, 65mls, 65mls, 65mls - volume just poured over punnet - 4 days between leaching - done while in soil punnets)	010364	2.00%		
	2001/04	*After leached moved into 18/10 C incubator, then watered every second day	010364	0.00%		
	2001/04	1% smoke water / 1 hr & leached	010364	10.00%		
	2001/04	50% smoke water / 1 hr & leached	010364	15.00%		
	2001/04	Aerosol smoked / 1 hr & leached	010364	23.00%		
	2001/04	Untreated & unleached, but still in incubator	010364	10.00%		
	2005/02	Agar in 5/15C incubator				
	2005/02	5%smoke water	50105	29.33%		
	2005/02	60C 1 hour	50105	25.33%		
	2005/02	100C 0.5 hours	50105	26.00%		
Stylidium bulbiferum	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010045	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - field	010045	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010045	0.00%		
	2001/01	1% smoke water / 1 hr - field	010045	4.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010045	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010045	5.00%		
Stylidium calcaratum	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010282	0.00%		
	2001/01	Control - field	010282	7.00%		
	2001/01	1% smoke water / 1 hr - incubator	010282	0.00%		
	2001/01	1% smoke water / 1 hr - field	010282	18.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010282	19.00%		
	2001/01	Aerosol smoke / 1 hr - field	010282	0.00%		
Stylidium hispidum	2004/11	Control	040771	4.00%		
	2004/11	1 % smoke water / 1 hr	040771	70.00%		
	2004/11	5 % smoke water / 1 hr	040771	70.00%		
	2004/11	500 mg/L GA / 24 hrs	040771	77.33%		
Stylidium junceum	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010187	0.00%		
	2001/01	Control - field	010187	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010187	16.00%		
	2001/01	1% smoke water / 1 hr - field	010187	7.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010187	6.00%		
	2001/01	Aerosol smoke / 1 hr - field	010187	0.00%		
	2004/11	Control	040759	0.67%		
	2004/11	1 % smoke water / 1 hr	040759	11.33%		
	2004/11	5 % smoke water / 1 hr	040759	43.33%		
	2004/11	500 mg/L GA / 24 hrs	040759	76.00%		
	2005/02	Agar in 5/15C incubator				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2005/02	5%smoke water all germ on agar in 5/15C incubator	050455	96.00%		
	2005/02	60 C 1 hour	050455	1.33%		
	2005/02	100 C 0.5 hours	050455	42.00%		
Stylidium schoenoides	1998/12	*incubated at 10/18 C, water every 2nd day. sown in soil punnets, 4 reps @ 25 seed				
	1998/12	Heat (55C / 3 hr) & scarified & smoke & GA	980396	70.00%		
	1998/12	Scarified & smoke & GA	980396	74.00%		
	1998/12	Scarified & smoke	980396	21.00%		
	1998/12	Scarified & GA	980396	42.00%		
	1998/12	Scarified (rubbed between sandpaper)	980396	1.00%		
	1998/12	Smoke & GA	980396	48.00%		
	1998/12	1% smoke water / 1 hour	980396	1.00%		
	1998/12	50mg GA / L / 24 hr	980396	19.00%		
	1998/12	Control	980396	2.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	980364	0.00%		
	2001/01	Control - field	980364	2.00%		
	2001/01	1% smoke water / 1 hr - incubator	980364	42.00%		
	2001/01	1% smoke water / 1 hr - field	980364	24.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	980364	14.00%		
	2001/01	Aerosol smoke / 1 hr - field	980364	2.00%		
	1999/03	* 4 reps of 25 seeds, scarified + smoke water 1% + GA3 50mg/l, cold stored (4C) for x duration				
	1999/03	* Glasshouse trial, sown on jarrah forest soil in punnets, watered daily, 4 reps x 25 seeds, scarified + smoke water (1%) + GA3 (50mg/l), control				
	1999/03	Nil days of storage		77.00%		
	1999/03	1 week storage		92.00%		
	1999/03	2 weeks storage		81.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1999/03	1 month storage		83.00%		
	1999/03	3 month		73.00%		
	1999/03	6 month		3.00%		
	1999/03	9 month		1.00%		
	1999/03	12 month		0.00%		
		* Glasshouse trial, sown in punnets of Jarrah forest F soil, watered daily, GA3 treatments 0, 100, 500, 1000, 2000 mg/l for 24 hours plus scarification + smoke water (1%)				
	1999/08					
	1999/08	0mg/l		14.00%		
	1999/08	100mg/l		77.00%		
	1999/08	500mg/l		65.00%		
	1999/08	1000 mg/l		93.00%		
	1999/08	2000 mg/l		87.00%		
		Agar in 5/15C incubator				
	2004/11	Control	040604	18.67%		
	2004/11	1 % smoke water / 1 hr	040604	22.67%		
	2004/11	5 % smoke water / 1 hr	040604	21.33%		
	2004/11	500 mg/L GA3 / 24 hrs	040604	30.00%		
	2005/02	500mg/L GA 24 hrs	050161	73.33%		
	2005/02	60C for 1 hour	050161	2.67%		
	2005/02	100C for 0.5 hours	050161	0.00%		
		*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
Styphelia tenuiflora	2001/01					
	2000/01	Control	990206	0.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	990206	0.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	990206	0.00%		
	2000/01	Scarification & smoke water then soaked in GA	990206	0.00%		
	2000/01	Smoke water & then soaked GA	990206	0.00%		
	2000/01	Heat pulse 120C / 30 mins	990206	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990206	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990206	0.00%		
				0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990206	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990206	0.00%		
	2000/01	Heat pulse 100C / 3 hours	990206	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990206	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990206	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990206	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990206	0.00%		
	2003/02	* 3 reps @ 10 - 25 seeds. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light. stratification was moist, seeds in a petri dish on a water agar, same temp regimes				
	2003/02	4:4 stratification (2 weeks @ 30 C : 4 weeks @ 4C) & 1000 mg GA / 24 hr		0.00%		
	2003/02	6:6 stratification		0.00%		
	2003/02	8:7 stratification		0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010360	0.00%		
	2001/01	Control - field	010360	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010360	0.00%		
	2001/01	1% smoke water / 1 hr - field	010360	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010360	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010360	0.00%		
Tetragia capillaris	2000/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	000153	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	000153	0.00%		
	2000/01	Smoke and GA	000153	0.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	000153	0.00%		
	2000/01	Scarification & smoke water then soaked in GA	000153	0.00%		
	2000/01	Heat pulse 120C / 30 mins	000153	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	000153	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	000153	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	000153	0.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	000153	0.00%		
	2000/01	Heat pulse 100C / 3 hours	000153	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	000153	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	000153	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	000153	0.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	000153	0.00%		
	1998/01	*Sown in soil punnets, 4 reps @ 25 seed. incubated at 10/18 C, water every 2nd day. Warm store = seed stored prior at 23C / 21 days. Cool store = seed stored prior at 4C / 21 days				
	1998/01	Cool store, control	1998	0.00%		
	1998/01	Cool store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Cool store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Cool store, 500 mg GA / 2 seconds	1998	0.00%		
	1998/01	Cool store, Heat & smoke water	1998	0.00%		
	1998/01	Cool store, Heat & GA	1998	0.00%		
	1998/01	Cool store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Cool store, smoke water & GA	1998	0.00%		
	1998/01	Warm store, Heat 50C / 3 hour	1998	0.00%		
	1998/01	Warm store, 10% Smoke water / 1 hour	1998	0.00%		
	1998/01	Warm store, 500 mg GA / 2 seconds	1998	0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1998/01	Warm store, Heat & smoke water	1998	0.00%		
	1998/01	Warm store, Heat & GA	1998	0.00%		
	1998/01	Warm store, Heat & smoke water & GA	1998	0.00%		
	1998/01	Warm store, smoke water & GA	1998	0.00%		
	1998/01	Warm store, control	1998	0.00%		
Tetrarrhaena laevis	2003/02	* 3 reps @ 10 - 25 seed. sown on water agar in petri dishes. sown in incubator at 15/5 C alternating light				
	2003/02	Control	020154	0.00%		
	2003/02	40 C / 1 hour & rubbed for 10 sec	020154	3.60%		
	2003/02	40 C / 1 hour & rubbed for 1 min	020154	4.80%		
	2003/02	40 C / 1 hour & rubbed for 2 min	020154	16.70%		
	2003/02	40 C / 1 hour & rubbed for 3 min	020154	16.30%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010111	0.00%		
	2001/01	Control - field	010111	1.00%		
	2001/01	1% smoke water / 1 hr - incubator	010111	0.00%		
	2001/01	1% smoke water / 1 hr - field	010111	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010111	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010111	0.00%		
Tetradthea hirsuta	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010245	5.00%		
	2001/01	Control - field	010245	2.00%		
	2001/01	1% smoke water / 1 hr - incubator	010245	7.00%		
	2001/01	1% smoke water / 1 hr - field	010245	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010245	12.00%		
	2001/01	Aerosol smoke / 1 hr - field	010245	3.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/04	* leached while sown in punnets with soil. leached in incubator @ 34/12C alternating light. After leached moved into 18/10 C incubator, then watered every second day				
	2001/04	Control & leached (45mls, 65mls, 65mls, 65mls - volume just poured over punnet - 4 d between leaching - done while in soil punnets)	010245	13.00%		
	2001/04	1% smoke water / 1 hr & leached	010245	8.00%		
	2001/04	50% smoke water / 1 hr & leached	010245	4.00%		
	2001/04	Aerosol smoked / 1 hr & leached	010245	3.00%		
	2001/04	Untreated & unleached, but still in incubator	010245	5.00%		
	1990/05	Control	89299	0.00%		
	1990/05	30s boil	89299	0.00%		
	1990/05	1 min boil	89299	0.00%		
	1990/05	2 min boil	89299	0.00%		
	1990/05	5 min boil	89299	0.00%		
Thysanotus fastigiatus	2003/02	* 3 reps @ 10 - 25 seeds. Sown on water agar in petris dishes. Sown in incubator at 15/5 C alternating light				
	2003/02	Control		0.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010257	0.00%		
	2001/01	Control - field	010257	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010257	1.00%		
	2001/01	1% smoke water / 1 hr - field	010257	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010257	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010257	0.00%		
Thysanotus manglesianus	2003/02	* 3 reps @ 10 - 25 seeds. Sown on water agar in petris dishes. Sown in incubator at 15/5 C alternating light				
	2003/02	Control		0.00%		

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
Thysanotus multiflorus		* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010380	0.00%		
	2001/01	Control - field	010380	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010380	1.00%		
	2001/01	1% smoke water / 1 hr - field	010380	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010380	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	010380	1.00%		
	1997	Control (Germinated in the field, no broad cast seed applied)	n/a	24.00%		
1997	Smoke water 1 L/m2 Germinated in the field, no broadcast see applied)	n/a	42.83%			
Trichocline spathulata		* In light = germinated in glasshouse. n dark = germinated in glasshouse, but covered. 4 reps @ 25 seed, in soil punnets				
	1998/12	50mg GA / L / 24 hr & in light	980272	0.00%		
	1998/12	In light only	980272	0.00%		
	1998/12	50mg GA / L / 24 hr & in dark	980272	0.00%		
	1998/12	In dark only	980272	0.00%		
		* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010289	0.00%		
	2001/01	Control - field	010289	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010289	0.00%		
	2001/01	1% smoke water / 1 hr - field	010289	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010289	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010289	0.00%		
		Agar in 5/15C incubator				
	1990/05	Control	900195	12.00%		
	1990/05	30s boil	900195	36.00%		
1990/05	1 min boil	900195	26.00%			

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1990/05	2 min boil	900195	26.00%		
	1990/05	5 min boil	900195	20.00%		
Tricoryne humilis	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010474	0.00%		
	2001/01	Control - field	010474	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010474	0.00%		
	2001/01	1% smoke water / 1 hr - field	010474	1.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010474	1.00%		
	2001/01	Aerosol smoke / 1 hr - field	010474	0.00%		
Tripterococcus brunonis	2001/01	*4 reps @ 25 seeds. Sown on top of soil in punnets, left outside. Watered daily by sprinklers				
	2000/01	Control	990199	0.00%		
	2000/01	Scarification (rubbed with sandpaper to expose endosperm) & 1% smoke water / 1 hour	990199	1.00%		
	2000/01	Scarification & 500 mg GA / 24 hour	990199	32.00%		
	2000/01	Scarification & smoke water then soaked in GA	990199	27.00%		
	2000/01	smoke water & then soaked GA	990199	35.00%		
	2000/01	Heat pulse 120C / 30 mins	990199	0.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water & GA	990199	29.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & smoke water	990199	1.00%		
	2000/01	Heat pulse 120C / 30 mins & scarification & GA	990199	16.00%		
	2000/01	Heat pulse 120C / 30 mins & smoke water & GA	990199	17.00%		
	2000/01	Heat pulse 100C / 3 hours	990199	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water & GA	990199	25.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & smoke water	990199	0.00%		
	2000/01	Heat pulse 100C / 3 hours & scarification & GA	990199	21.00%		
	2000/01	Heat pulse 100C / 3 hours & smoke water & GA	990199	15.00%		
	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	2001/01	Control - incubator	990199	5.00%		
	2001/01	Control - field	990199	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	990199	3.00%		
	2001/01	1% smoke water / 1 hr - field	990199	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	990199	2.00%		
	2001/01	Aerosol smoke / 1 hr - field	990199	1.00%		
Trymalium floribundum	2005/09	Control	030179	18.00%	85	21.18
	2005/09	30s boil	030180	62.00%	85	72.94
	2005/09	80C heat pulse / 45 mins	030181	66.00%	85	77.65
Trymalium ledifolium	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010093	0.00%		
	2001/01	Control - field	010094	0.00%		
	2001/01	1% smoke water / 1 hr - incubator	010095	1.00%		
	2001/01	1% smoke water / 1 hr - field	010096	0.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010097	0.00%		
	2001/01	Aerosol smoke / 1 hr - field	010098	0.00%		
Velleia trinervis	2001/01	* sown in punnets with soil in incubator 18/10C. watered every second day. Field samples sown in the field February 2001				
	2001/01	Control - incubator	010024	17.00%		
	2001/01	Control - field	010024	14.00%		
	2001/01	1% smoke water / 1 hr - incubator	010024	55.00%		
	2001/01	1% smoke water / 1 hr - field	010024	80.00%		
	2001/01	Aerosol smoke / 1 hr - incubator	010024	35.00%		
	2001/01	Aerosol smoke / 1 hr - field	010024	76.00%		
	2001/04	1 hr imbibition in DI water	010024	30.00%		
	2001/04	1 hr imbibition in 1% smoke water	010024	43.00%		
	2001/04	12 hr imbibition in DI water	010024	29.00%		
	2001/04	12 hr imbibition in 1% smoke water	010024	77.00%		
Viminaria juncea	1991/03	Control	050286	4.00%	80	5

Species	TEST DATE	TEST DESCRIPTION	SeedLot	% Germ	% Viability	% VAG
	1991/03	Control	087324	6.00%		
	1991/03	Control	089265	44.00%		
	1991/03	30s boil	050286	60.67%	80	75.83
	2005/09	30s boil	087324	70.00%		
	2005/09	30s boil	089265	75.00%		
	1991/03	1 min boil	087324	56.00%		
	2005/09	1 min boil	089265	71.00%		
	1991/03	2 min boil	087324	61.00%		
	1991/03	2 min boil	089265	67.00%		
	1991/03	scarify	089265	25.00%		
	1991/03	scarify	087324	39.00%		
	1991/03	80C / 45 mins	050286	58.67%	80	73.33
Xanthosia huegelii	1997	Smoke water (at 1L /m2 germinated in the field, no broadcast seed applied)	n/a	11.17%		