

## HERBICIDE TRIALS / VICTORIA PLAINS

On 15/8/1990, two sections of road in Victoria Plains Shire were sprayed with "Fusilade" to determine its effect on the roadside community.

### Method

An ATC-mounted boom spray was driven at constant speed along the road so as to spray 1m from the base of the table drain back into the vegetation.

### Road 1 Calingiri-New Norcia Road

During this spray session, the weather was fine and clear, with the wind gusting up to Force 5 from the north. Due to the strength of the wind the trial site was moved to correspond to an adjacent lupin crop.

From 100m west of the railway crossing to the first fenceline on the south side of the road, with the exception of the salt area, where the spray was turned off. This section received "Fusilade" at the rate of 0.5l /ha.

The soil was clay loam, with some gravelly clay at the western end.

On the north side of the road the same distance was sprayed, but at a rate of 0.25l /ha. Again, the spray was turned off while crossing the salt area.

The soil was clay loam, with some gravelly clay at the western end.

### Road 2. Old Telegraph Road.

During this session, the weather was as before, but the wind slightly less strong.

On the eastern side of the road, from a large Wandoo at the second fenceline south for 0.5km south, sprayed at 0.5l/ha.

On the western side of the road, from the same starting point to the first bend, sprayed at 0.25l/ha. From then southwards until opposite the start of the Nature Reserve, sprayed at 0.5l/ha, except that the spray was turned off where free-standing water occurred under a stand of York Gums.

On this road, the northern section was sandy gravel, a short central clayey section where York Gums grew, and sand in the south.

**A plant list was drawn up for both areas.**

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Family	Name	Rd 1 north	Rd 1 south	Rd 2 east	Rd 2 wes
27	<i>Allocasuarina fraseriana</i>	x	x		
27	<i>Allocasuarina humilis</i>	x	x	x	x
32	<i>Ptilotus polystachyus</i>		x	x	x
36	<i>Muehlenbeckia adpressa</i>		x	x	x
36	<i>Rumex</i> sp	x			
38	<i>Hibbertia acerosa</i>		x		
38	<i>Hibbertia commutata</i>				x
38	<i>Hibbertia hypericoides</i>			x	x
38	<i>Hibbertia spicata</i>				x
40	<i>Keraudrinea integrifolia</i>			x	x
42	<i>Drosera macranthera</i>				x
42	<i>Drosera menziesii</i>			x	x
46	<i>Raphanus raphanistrum</i>		x	x	x
56	<i>Acacia drummondii</i>				x
56	<i>Acacia leptospermoides</i>				x
56	<i>Acacia pulchella</i>	x	x	x	x
56	<i>Acacia</i> sp		x		x
56	<i>Acacia</i> sp				x
56	<i>Acacia</i> sp		x		x
56	<i>Acacia wildenowiana</i>				x
57	<i>Acacia saligna</i>		x		x
58	<i>Bossaea ornata</i>			x	x
58	<i>Cytisus proliferus</i>				x
58	<i>Davesia decurrens</i>				x
58	<i>Davesia longifolia</i>		x		x
58	<i>Davesia polyphylla</i>		x		x
58	<i>Davesia triflora</i>			x	x
58	<i>Dryandra hewardiana</i>		x		
58	<i>Gastrolobium calycinum</i>			x	x
58	<i>Hovea pungens</i>			x	x
58	<i>Jacksonia sternbergiana</i>		x	x	x
58	<i>Kennedia prostrata</i>		x	x	x
58	<i>Lupinus</i> sp	x			
58	<i>Mirbelia</i> sp			x	x
58	<i>Oxylobium capitatum</i>				x
58	<i>Trifolium</i> sp	x	x	x	
59	<i>Adenanthos drummondii</i>				x
59	<i>Adenanthos sericea</i>				x
59	<i>Conospermum stoechadis</i>			x	x
59	<i>Dryandra fraseri</i>			x	x
59	<i>Dryandra nivea</i>			x	x
59	<i>Hakea incrassata</i>		x	x	x
59	<i>Hakea lissocarpha</i>		x		x
59	<i>Hakea prostrata</i>				x
59	<i>Hakea trifurcata</i>		x	x	x
59	<i>Isopogon divergens</i>			x	
59	<i>Stirlingia latifolia</i>				x
59	<i>Synaphea polymorpha</i>				x
60	<i>Glischrocaryon aureum</i>				x
60	<i>Gonocarpus cordiger</i>			x	
63	<i>Calothamnus quadriridus</i>		x	x	x
63	<i>Eucalyptus calophylla</i>			x	x
63	<i>Eucalyptus loxocarya</i>				x

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Family	Name	Rd 1 north	Rd 1 south	Rd 2 east	Rd 2 wes
63	Eucalyptus spp planted	x			
63	Eucalyptus wandoo		x	x	x
63	Hypocalymma angustifolium			x	x
63	Leptospermum erubescens	x	x		x
63	Thryptomene sp.				x
63	Verticordia sp <i>megala</i>				x
65	Olax benthamiana				x
70	Phyllanthus calcinus				x
71	Cryptandra arbutiflora		x		x
71	Cryptandra glabriflora				x
92	Halgania sp		x	x	x
96	Hemigenia canescens				x
108	Dampiera alata		x	x	x
108	Dampiera linearis		x	x	x
108	Lechenaultia biloba		x	x	x
108	Lechenaultia floribunda				x
108	Scaevola sp.				x
108	Verrauxia reinwardtii			x	x
<del>108</del>	<del>Verrauxia reinwardtii</del>				<del>x</del>
109	Opercularia vaginata	x	x	x	x
113	Arctotheca calendula	x		x	
113	Hypochaeris glabra		x		
113	Podolepis gracilis			<del>x</del>	x
113	Ursina anthemoides		x	x	x
129	Xanthorrhoea preissii		x		
132	Dianella revoluta		x	x	x
132	Stypantra glauca				x
133	Arthropodium capillipes			x	x
133	Chaemaescilla corymbosa			x	
133	Corynethca micrantha			x	x
133	Sowerbaea laxiflora				x
139	Orthrosanthos laxus			x	x
139	Patersonia occidentalis		<del>x</del>	<del>x</del>	x
139	Romulaea rosea	x	x	x	x
149	Caustis dioica				x
149	Lepidosperma angustatum	x	x		x
149	Lepidosperma squamatum				x
149	Schoenus ??	x	x		x
149	Scirpus sp		x	x	x
151	Lepidobolus preissianus			x	x
151	Lepyrodia sp.				x
151	Loxocarya flexuosa			x	x
153	Aristida browniana	x	x	x	x
153	Avena fatua	x	x	x	x
153	Briza <del>maxima</del>	x	x	x	x
153	Cynodon dactylon	x	x		
153	Danthonia sp <i>caespitosa</i>	x	x	x	x
153	Eragrostis curvula	x	x		
153	Neurachne allopecuroides	x	<del>x</del>	x	x
153	Stipa elegantissima	x		x	x

S. canphyllan  
S. flavosus  
S. compressa

x

x

x

x

x

x

x

x

Tetrathema canferthiflora. Rd 2 SW