Umbrella tree ***Schefflera actinophylla*** **(Endl.) Harms** is a native plant of north Queensland that has naturalised in sandy coastal areas of south east Queensland. *S. actinophylla* has been recorded as a pest plant in New South Wales, Australia , in the western pacific islands including Hawaii and in Florida in the United States of America . It is also well recorded in the eastern pacific islands of Fiji. The plant is also native to New Guinea and Java.

The invasion of this species into natural areas presents a management problem as dense infestations displace local native flora. A herbicide screening trial was conducted in Noosa Shire, 120 kilometres north of Brisbane, Queensland. Twenty treatments and two controls were set up in two locations. These included fifteen treatments and one control at Peregian Beach, and five treatments and one control at Noosa National Park (Headland section). Imazapyr injected by the sidewinder stem injection system was highly effective on very large trees. Glyphosate and metsulfuron-methyl were also effective using the sidewinder stem injection technique. Amitrole T in a dieseline carrier was effective using the frill ringing technique, although laborious if used over a large area. Triclopyr ester, triclopyr + picloram esters in a methanol based carrier (racing fuel), and to a lesser extent in the diesel carrier, proved to be the most efficacious when using the basal stem method of application.

Table 1. Treatments applied to *Schefflera actinophylla* (Endl.) Harms.

Treatment	Manufacturer	Trade Name	Active constituent	Application method	Product dilution	Dilution[A] (a.i. g $1L^{-1}$)
1	Shell	Arsenal	250g L^{-1} Imazapyr	sidewinder [b]	1:2	125
2	Nufarm	Amitrol T	250gL^{-1}Amitrole + 220g L^{-1} ammonium thiocyanate in diesel	frill ringing in oil	1:2	125
3	Dow	Access	240g L^{-1} Triclopyr ester + 120g L^{-1} picloram ester in racing fuel	basal stem	33.3 ml L^{-1}	7.99 4
4	Dow	Garlon 600	600g L^{-1} Triclopyr ester	basal stem	33.3 ml L^{-1}	20.04
5	Dow	Garlon 600	600g L^{-1} Triclopyr ester	basal stem	8.3 ml L^{-1}	4.98
6	Nufarm	Amitrol T	250gL^{-1}Amitrole + 220g L^{-1} ammonium thiocyanate in water	frill ringing in water [b]	1:2	125
7	Dow	Access	240g L^{-1} Triclopyr ester + 120g L^{-1} picloram ester in diesel	basal stem	33.3 ml L^{-1}	7.99 4
8	Dow	Access	240g L^{-1} Triclopyr ester + 120g L^{-1} picloram ester in dieseline	basal stem	16.7 ml L^{-1}	4.01 2
9	Nufarm	Amitrol T	250gL^{-1}Amitrole + 220g L^{-1} ammonium thiocyanate	basal stem	25 ml L^{-1}	6.25 5.5
10	Dow	Garlon 600	600g L^{-1} Triclopyr ester	basal stem	16.7 ml L^{-1}	10.02
11	Dupont	Velpar L + cotacide oil	250g L^{-1} hexazinone + codacide oil	basal stem	5 ml L^{-1}	1.25
12	Dupont	Velpar L + cotacide oil	250g L^{-1} hexazinone + codacide oil	basal stem	5 ml L^{-1}	1.25
13	Dow	Access	240g L^{-1} Triclopyr ester + 120g L^{-1} picloram ester in dieseline	basal stem	33.3 ml L^{-1}	7.99 4
14	Dow	Starane 200	200g L^{-1} Fluroxypyr ester	basal stem	3.5 ml L^{-1}	0.7
15	Dow	Starane 200	200g L^{-1} Fluroxypyr ester	basal stem	5ml L^{-1}	1.4
16	Control					
17	Nufarm	Glyphosate 360	250g L^{-1} glyphosate isopropyl ammine salt	sidewinder [b]	1:2	125
18	Dow	Tordon TCH	100g L^{-1} Triclopyr amine + 50g L^{-1} picloram amine	sidewinder [b]	1:2	50 25
19	Dupont	Brush off	600g kg^{-1} metsulfuron-methyl	sidewinder [b]	5 g L^{-1}	3
20	D Dupont	Velpar L	250g L^{-1} hexazinone	sidewinder [b]	1:4	62.5
21	D Dupont	Velpar L	250g L^{-1} hexazinone	sidewinder [b]	1:2	125
22	Control					

A. BS 1000® surfactant was added at 1 mL 1 L^{-1}

b Water was the carrier for all herbicides.