

Appendix 4.6.4: Summary of fruit set obtained from different pollination experiments in *Alternanthera* species.

EXPERIMENT TREATMENT	<i>A. sessilis</i> 'Red'			<i>A. sessilis</i> 'Green'		
	Fruit set (%)	Range	N	Fruit set (%)	Range	N
Open pollination	80.21 ± 13.78	47.06–100.00	23 inflorescences in 10 individual plants	95.61 ± 6.30	78.05–100.00	25 inflorescences in 10 individual plants
Self pollination						
– individual flower	42.00 ± 12.30	20.00–60.00	100 flowers in 10 individual plants	59.00 ± 20.25	30.00–90.00	100 flowers in 10 individual plants
– inflorescences	58.74 ± 24.33	4.44–49.66	30 inflorescences in 10 individual plants	63.76 ± 21.01	26.67–91.30	17 inflorescences in 10 individual plants
Emasculated and bagged flower (apomixis)	14.72 ± 5.41	10.00–25.00	69 flowers in 10 individual plants	40.00 ± 16.33	20.00–60.00	
Geitonogamy	15.92 ± 7.85	0.00–27.27	53 flowers in 8 individual plants			
Cross pollination (xenogamy)	15.00 ± 11.79	0.00–30.00	100 flowers in 10 individual plants			

EXPERIMENT TREATMENT	<i>A. brasiliana</i> (parent plants)			<i>A. brasiliana</i> (offsprings)		
	Fruit set (%)	Range	N	Fruit set (%)	Range	N
Open pollination	55.09 ± 23.03	0.00–100.00	25 inflorescences in 8 individual plants	n.a.	n.a.	n.a.
Self pollination – inflorescences	29.51 ± 11.42	0.00– 87.50	12 inflorescences in 4 individual plants	40.21 ± 9.79	0.00– 94.74	14 inflorescences in 6 individual plants