

Table 5. Effects of mulching leaf or flower (FL) powder of various plants on the biomass and mortality of *Mikania micrantha* (n = 20)

Plant material	Weekly cumulative dead plants					Mortality (%)	Biomass (mg plant ⁻¹)	Biomass inhibition (%)
	1st	2nd	3rd	4th	5th			
<i>Delonix regia</i>	7	16	17	17	17	85	- ¹⁾	-
<i>Delonix regia</i> (FL)	6	14	15	15	15	75	-	-
<i>Plumeria rubra</i>	0	0	0	0	0	0	127±11 ²⁾	-39 ³⁾
<i>Plumeria rubra</i> (FL)	2	3	4	4	4	20	222±33	+7
<i>Thevetia peruviana</i>	0	0	0	0	0	0	68±5	-67
<i>Thevetia peruviana</i> (FL)	0	0	0	0	1	5	86±11	-59
<i>Ardisia squamulosa</i>	4	5	5	5	5	25	125±14	-40
<i>Mimosa invisa</i>	2	3	4	4	4	20	140±15	-33
<i>Cerbera manghas</i>	0	0	1	1	1	5	79±8	-62
<i>Alstonia scholaris</i>	1	1	1	1	1	5	106±13	-49
<i>Bidens pilosa</i> var. <i>radiata</i>	0	1	1	1	1	5	173±14	-17
<i>Vitex negundo</i>	0	0	0	0	0	0	69±10	-67
<i>Diospyros maritima</i>	0	0	0	0	0	0	102±8	-51
<i>Cinnamomum camphora</i>	0	0	0	0	0	0	108±10	-48
<i>Terminalia catappa</i>	0	0	0	0	0	0	122±11	-41
<i>Macaranga tanarius</i>	0	0	0	0	0	0	128±14	-38
<i>Diospyros discolor</i>	0	0	0	0	0	0	146±23	-30
<i>Wedelia trilobata</i>	0	0	0	0	0	0	155±20	-25
<i>Mikania micrantha</i>	0	0	0	0	0	0	158±12	-24
<i>Bambusa stenostachya</i>	0	0	0	0	0	0	160±17	-23
<i>Leucaena leucocephala</i>	0	0	0	0	0	0	159±12	-23
<i>Acacia confusa</i>	0	0	0	0	0	0	251±28	+21
Control	0	0	0	0	0	0	207±11	

1) Not presented due to low survival.

2) Mean±SD.

3) Negative values denote inhibition; positive values denote stimulation.

Table 6. Inhibitory effects of mulching leaf or flower powder of *Delonix regia* on seedlings of *Mikania micrantha*

Mulching material	Weekly cumulative dead plants					Mortality (%)	Biomass (mg plant ⁻¹)	Biomass Inhibition (%)
	1	2	3	4	5			
Leaf powder								
1 g (n = 40)	16	26	29	30	30	75	174±28	-48 ¹⁾
2 g (n = 20)	8	14	15	16	16	80	215±30	-35
Flower powder								
1 g (n = 40)	30	35	36	36	36	90	99±21	-70
2 g (n = 20)	14	17	17	18	18	90	148±4	-55
Control (n = 20)	0	0	0	0	0	0	330±27	-

¹⁾ Negative values denote inhibition.