

Evaluation of some botanical soaps against safflower aphids

Design: CRBD

Replications: 3

Treatments: 8

Spacing: 45* 20 cm

Treatments:

T₁: Foliar spray of neem soap @ 10g/l; T₂: Foliar spray of neem soap @ 15g/l

T₃: Foliar spray of pongamia soap @ 10g/l; T₄: Foliar spray of pongamia soap @ 15g/l

T₅: Foliar spray of imidacloprid @ 0.2ml/l; T₆: Foliar spray of dimethoate as check @ 1ml/l

T₇: Foliar spray of garlic extract @ 1%; T₈: Control

Effect of botanical soaps and garlic on safflower aphids during rabi, 2011

Treatment	Aphids/5cm twig				% ROC	Yld kg/ha
	before spray	5.2.12	10.2.12	15.2.12		
Neem soap 10g/l	39.63	61.33	69.77	40.90	18.44	185.2
Neem soap 15g/l	38.97	76.40	70.20	51.93	8.82	88.9
Pongamia soap 10g/l	39.37	54.33	48.80	31.33	35.19	88.9
Pongamia soap 15g/l	39.27	43.10	56.57	37.40	32.13	143.2
Imidacloprid 0.2ml/l	42.50	3.37	3.20	4.77	86.49	1484.0
Dimethoate 1ml/l	41.70	5.87	12.73	4.80	81.98	1096.3
Garlic extract 5%	38.30	57.23	51.80	32.63	31.91	91.4
Control	42.13	85.97	74.93	58.33	0.0	64.2
sem		0.197	0.152	0.21	20.29	56.69
LSD (p=0.05)	ns	0.75	0.65	0.77	7.70	126.24