

## Inducing resistance through plant nutrition in safflower against aphids

Variety: CO-1 Design: CRBD Treatments: 6  
Replications: 4 Plot size: 5 x 4m

### Treatments:

- T<sub>1</sub> Recommended dose of fertilizer (40N:30P:25K);
- T<sub>2</sub> 20kg N/ha+ recommended PK
- T<sub>3</sub> 60kg N/ha + recommended PK;
- T<sub>4</sub> RDF + Silicon application@ 0.5%
- T<sub>5</sub> RDF+ Zn SO<sub>4</sub> @ 20 kg/ha;
- T<sub>6</sub> RDF + Sulphur @ 20 kg/ha

Treatment	Aphids/ 5cm twig		
	17.1.12	24.1.12	2.2.12
RDF	24.4	65.0	85.3
20kg N/ha+ recommended PK	25.4	49.2	86.5
60kg N/ha + recommended PK	34.6	49.2	76.8
RDF + Silicon application@ 0.5%	30.8	67.0	83.1
RDF+ Zn SO <sub>4</sub> @ 20 kg/ha	25.8	58.9	85.7
RDF + Sulphur @ 20 kg/ha	29.2	51.3	84.6
	ns	ns	ns