

LIFE SCIENCES



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EFFICACY OF BIO-AVAILABLE SILICA ON THE BRINJAL

Conducted at,
Main Vegetable Research Station,
Anand Agricultural University, Anand
Gujarat

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Foliar effect of Silixol on Brinjal

Treatments	Plant height (cm)	Fruit Weight (g)	Fruit Volume (cm ³)	Fruits/ plant	Fruit yield (q/ha)
Control	55.67	212.67	352.33	14.58	382.1
Silixol @ 2.0 Litre / ha	84	365.43	585	18.07	579.63

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Foliar effect of Silixol on Brinjal

Treatments	Fruit borer (%)	Little leaf
Control	26.78 (31.11)	1.33 (6.53)
Silixol @ 2.0 Litre / ha	7.08 (14.86)	0.00 (0.00)

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Foliar effect of Silixol on Brinjal

Treatments	Moisture (%)	Anthocyanin (mg/ 100 g)	Ascorbic acid (mg/ 100 g)	Acidity (%)	Total Carbohydrates (%)	Phenol (%)	Glycoalkaloid (%)
Control	93.67	284.92	5.04	1.183	3.72	3.32	0.194
Silixol @ 2.0 Litre / ha	94.43	409.79	8.62	0.969	4.1	2.55	0.174

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Application of Silixol @ 2.0 litres/ha on Brinjal resulted in to more than 51 % yield improvement along with lesser pest damage & better quality.

 THANK YOU

For more details, contact us

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