

'Bio efficacy evaluation of Vigore on Sugarcane'

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**Experiment details-**

Year of experiment- 2014-2016

Objectives- To study the effects of Vigore on Sugarcane Yield, Juice quality and Soil Properties.

Design of Experiment- Randomized Block Design (RBD)

Number of treatment- 8

Replication- 3

Variety- CoN 04131

Dosage- Soil application of Vigore @250 gm/ acre along with basal dose of RDF.

Growth attributes of Sugarcane (2013-14 and 2014-2015):

Treatments	No of tillers (000 ha-1 at 120 DAP)	Millable cane height (cm)	No of internodes	Millable cane girth (cm)	Millable cane yield (t/ha)	CCS yield (t/ha)
T0- Control	151.29	148.04	15.44	2.21	93.95	11.24
T1- Vigore	191.3	188.5	21.21	2.31	107.5	13.02
% Increased	26.45	27.33	37.37	4.52	14.42	15.84

RDF- Recommended Dose of Fertilisers, CCS- Commercial Cane Sugar

Conclusion-

Above data indicates that growth of Sugarcane in terms of numbers of tillers, numbers of internodes, numbers of millable cane, cane height, cane girth, weight of cane and yield of canes are significantly influenced by application Vigore @250 gm per acre over control treatment. With application of Vigore millable cane yield of Sugarcane was increased by 14.42 % and commercial cane sugar (CCS) increased by 15.84 % over control plots.

