ipni.net) is Deputy Director, IPNI South Asia Programme, South India and Sri Lanka.

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## References

Anonymous. 2009. Annual Report, All India Coordinated Cotton Improvement Project (2008-09). Central Institute Cotton Research, Regional Station, Coimbatore.

Zhang, Y., W. Hu, Y. Gao, Y. Yao, M. Tang, and G. Hu. 2008. Better Crops, 92 (4): 6-7.

Biradar, D.P., Y.R. Aladakatti, T.N. Rao, K.N. Tiwari. 2006. Better Crops, 90 (3): 30-35.

Table 4. Effect of SSNM and different nutrient omission treatments on economics of transgenic cotton.

	Dharwad			Siruguppa		
Treatment	Gross returns, INR/ha	Net returns, INR/ha	B:C	Gross returns, INR/ha	Net returns, INR/ha	B:C
T <sub>1</sub> - SSNM	96,676	68,970	3.5	67,925	42,141	2.6
T <sub>2</sub> - N omission	57,080	34,663	2.5	56,449	33,487	2.4
T <sub>3</sub> - P omission	86,020	61,049	3.4	59,555	36,,306	2.6
T <sub>4</sub> - K omission	77,705	52,624	3.1	59,432	35,353	2.5
T <sub>5</sub> - Ca omission	93,618	67,381	3.6	57,456	33,791	2.4
T <sub>6</sub> - Mg omission	93,794	67,141	3.5	57,456	33,391	2.4
T <sub>7</sub> - S omission	94,984	67,576	3.5	57,750	33,009	2.3
T <sub>8</sub> - Zn omission	89,321	62,860	3.4	61,854	37,203	2.5
T <sub>9</sub> - Fe omission	92,043	65,344	3.4	58,017	33,702	2.4
T <sub>10</sub> - B omission	94,795	67,954	3.5	67,507	42,460	2.7
T <sub>11</sub> - Control	44,237	32,007	3.6	29,345	17,821	2.5
CD (p = 0.05)	20,216	18,443	0.57	7,596	6,930	NS

Price details (INR): N = 11/kg,  $P_{x}O_{z} = 24/kg$ ,  $K_{x}O = 8/kg$ , S = 15/kg,  $CaSO_{a} = 60/kg$ ,  $ZnSO_{a} = 30/kg$ ,  $MgSO_{a} = 60/kg$ ,  $SnSO_{a} = 80/kg$ 40/kg, FeSO<sub>4</sub> = 30/kg, Borax (B) = 70/kg, Seed cost = 1,665/kg, Seed market price = 28.50/kg.

## A Guide to Identifying and Managing **Nutrient Deficiencies in Cereal Crops**

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