

Table 4 Effect of nitrogen nutrition and growth regulators on IAA-oxidase in black gram at different growth stages ( $\mu\text{g unoxidised auxin}\cdot\text{g}^{-1}\cdot\text{hr}^{-1}$ )

Treatments	30 DAS	45 DAS	60 DAS	Harvest stage
T <sub>1</sub>	88.1	121.4	147.2	116.0
T <sub>2</sub>	71.3	118.7	128.6	78.4
T <sub>3</sub>	69.0	109.1	114.9	89.3
T <sub>4</sub>	68.7	101.5	109.4	78.6
T <sub>5</sub>	73.8	116.9	124.3	84.2
T <sub>6</sub>	80.7	111.0	120.4	92.5
T <sub>7</sub>	65.8	98.5	105.6	74.8
T <sub>8</sub>	78.4	105.2	117.6	86.4
T <sub>9</sub>	85.6	120.7	138.5	109.5
Mean	75.54	111.22	122.67	89.75
SEd	3.33	4.83	5.42	4.05
CD (0.05)	7.07	10.24	11.50	8.58

Note: T<sub>1</sub>: Control; T<sub>2</sub>: N 25 kg/ha + Urea 2% + NAA 40 ppm; T<sub>3</sub>: N 50 kg/ha + CCC 200 ppm; T<sub>4</sub>: N 25 kg/ha + Urea 2% + CCC 200 ppm; T<sub>5</sub>: N 25 kg/ha + Urea 2% + Humic acid 0.1%; T<sub>6</sub>: N 25 k/ha + Urea 2% + Salicylic acid 100 ppm; T<sub>7</sub>: N 25 kg/ha + Urea 2% + Brassinosteriod 0.1 ppm; T<sub>8</sub>: N 25 kg/ha + Urea 2% + ZnSO<sub>4</sub> 0.5% + FeSO<sub>4</sub> 0.5% + Borax 0.2%; T<sub>9</sub>: N 25 kg/ha + Water spray