



**RESEARCH ARTICLE :**

## Economics of sweet corn as influenced by different herbicide treatments

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**SUMMARY :** The experiment entitled “economics of sweet corn as influenced by different herbicide treatment” was conducted during *Kharif* 2014 at Post Graduate, Research Farm, Agronomy Section, College of Agriculture, Dhule. The results revealed that the gross and net monetary returns were found maximum in weed free practice (Rs. 248607 and 173571 ha<sup>-1</sup>, respectively)(T<sub>2</sub>) treatment followed by application of atrazine @ 0.75 kg a.i. ha<sup>-1</sup> at (PE) *fb* metsulfuron-methyl @ 0.004 kg a.i. ha<sup>-1</sup> at 15 DAS (PoE) (T<sub>10</sub>) (Rs.221735 and 155252 ha<sup>-1</sup>, respectively). The benefit cost ratio was maximum in application of atrazine *fb* metsulfuron-methyl (0.75 kg a.i. ha<sup>-1</sup>(PE) *fb* 0.004 kg a.i. ha<sup>-1</sup>(PoE) (T<sub>10</sub>) (3.34) followed by weed free check (T<sub>2</sub>) (3.31), atrazine *fb* 2,4-D (0.75 kg a.i. ha<sup>-1</sup>(PE) *fb* 0.75 kg a.i. ha<sup>-1</sup>(PoE) (T<sub>9</sub>) (3.25), pendimethalin *fb* atrazine (0.75 kg a.i. ha<sup>-1</sup>(PE) *fb* 0.75 kg a.i. ha<sup>-1</sup> (PoE) (T<sub>8</sub>) (3.14) and hand weeding (T<sub>3</sub>) (2.93). The sequential application of pre and post-emergence herbicides recorded maximum gross returns, net returns and benefit cost ratio in *Kharif* sweet corn compared to application of pre-emergence herbicide only and weedy check.

**KEY WORDS:**

Sweet corn (*Zea mays* saccharata), Atrazine, Pendimethalin, Metsulfuron Methyl and 2, 4-D

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