

**Article history :**

Received : 27.10.2019

Accepted : 28.11.2019

## Effect of nitrogen and phosphorus on seed yield of coriander (*Coriandrum sativum* L.)

■ Navdeep Singh and Harpal Singh<sup>1</sup>

**Members of the Research Forum**

**Associated Authors:**

<sup>1</sup>Department of Vegetable Science,  
University College of Agriculture,  
Guru Kashi University, Talwandi Sabo,  
Bathinda (Punjab) India

**Author for correspondence :**

**Navdeep Singh**

Department of Vegetable Science,  
University College of Agriculture,  
Guru Kashi University, Talwandi Sabo,  
Bathinda (Punjab) India  
Email : navdeep.brar50@gmail.com

**ABSTRACT :** A field experiment was conducted during *Rabi* season of 2017-2018 to study the effect of nitrogen and phosphorus on seed yield of coriander (*Coriandrum sativum* L.). The experiment comprising of 16 treatment combinations with four levels of nitrogen *viz.*, 0, 20, 40 and 60 kg N ha<sup>-1</sup> and four levels of phosphorus *viz.*, 0, 20, 40 and 60 kg P<sub>2</sub>O<sub>5</sub> ha<sup>-1</sup> was laid out in RBD design with three replications. The experiment results revealed that the combination of 60 kg N ha<sup>-1</sup>; 20 kg P<sub>2</sub>O<sub>5</sub>/ha promoted yield attributes *viz.*, number of umbels per plant (14.27), the combination of 60 kg N ha<sup>-1</sup>; 60 kg P<sub>2</sub>O<sub>5</sub>/ha promoted number of seeds per umbellate (5.96), the combination of 60 kg N ha<sup>-1</sup>; 40 kg P<sub>2</sub>O<sub>5</sub>/ha promoted seed weight per plant (4.82 g), the combination of 40 kg N ha<sup>-1</sup>; 40 kg P<sub>2</sub>O<sub>5</sub>/ha promoted number of umbellate per umbel (5) and ultimately higher seed yield (1469 kg ha<sup>-1</sup>) was given by combination of 60 kg N ha<sup>-1</sup>; 40 kg P<sub>2</sub>O<sub>5</sub>/ha .

**KEY WORDS :** Coriander, Nitrogen, Phosphorus

**HOW TO CITE THIS ARTICLE :** Singh, Navdeep and Singh, Harpal (2019). Effect of nitrogen and phosphorus on seed yield of coriander (*Coriandrum sativum* L.). *Asian J. Hort.*, 14(2) : 27-29, DOI : 10.15740/HAS/TAJH/14.2/27-29. Copyright@2019 : Hind Agri -Horticultural Society