International Journal of Agricultural Sciences ☞DOI:10.15740/HAS/IJAS/20/RAAEALSES-2024/26-30
Volume 20 | RAAEALSES, 2024 | 26-30 ■ ISSN : 0973-130X Visit us : *www.researchjournal.co.in*

RESEARCH PAPER

Effect of bio fertilizer and N.P.K. on growth and yield of garlic (*Allium sativum* L.)

Neelam Kunwar Rathore*, A.S. Jodha, Damini Visen, Surabhi Tyagi, N.S. Solanki, Dhwani Sharma, Sonia Jaiaswani and Neetu Katara
School of Agricultural Sciences (J.R.N.R.V.U.), Dabok, Udaipur, (Rajasthan) India
(Email : nr529082@gmail.com)

Abstract : The present investigation was carried out at Department of Horticulture, HorticultureFarm, School of Agricultural Sciences, Dabok, Udaipur during *Rabi* season of the year 2023-24. Total ten treatments were laid out in Randomized Block Design with three replications. Results revealed that biofertilizers and NPK both when applied in combination exhibited positive effects on vegetative growth parameters plant height *i.e.* 35.80 cm., No. of leaves/ plant *i.e.* 8.25,weight of bulb *i.e.* 55.35 g, No. of cloves per bulb *i.e.* 19.80 and yield parameters (bulb yield per plot *i.e.* 2.99 kg and bulb yield per ha. *i.e.* 74.75 q/ha over the other treatments Therefore, application of 90% RDF+ *Azotobacter* + PSB was considered as effective treatment for enhancing the growth, yield and quality of garlic crop.

Key Words : Bio fertilizer, N.P.K, Garlic

View Point Article : Rathore, Neelam Kunwar, Jodha, A.S., Visen, Damini, Tyagi, Surabhi, Solanki, N.S., Sharma, Dhwani, Jaiaswani, Sonia and Katara, Neetu (2024). Effect of bio fertilizer and N.P.K. on growth and yield of garlic (*Allium sativum* L.). *Internat. J. agric. Sci.*, **20** (RAAEALSES) : 26-30, **DOI:10.15740/HAS/IJAS/20/RAAEALSES-2024/26-30.**

Article History : Received : 15.10.2024**; Accepted :** 25.10.2024

***Author for correspondence:**