IJPS INTERNATIONAL JOURNAL OF PLANT SCIENCES
e ISSN-0976-593X Volume **12** | Issue 2 | July, 2017 | 120-124

DOI: 10.15740/HAS/IJPS/12.2/120-124
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RESEARCH ARTICLE

Impact of bio fertilizers along with combination of different level of N, P and K on nutrient uptake in gherkin (*Cucumis anguria* L.)

■ **CHANDRU PATIL AND J. NARAYANA**

SUMMARY

An experiment on gherkin (*Cucumis anguria* L.) was carried out at farmer's field, Fattepur village of Haveri District Karnataka during 2014 to study the impact of bio fertilizers along with combination of different level of N, P and K on nutrient uptake in gherkin. The results of the experiment data revealed that the application of 100% NPK + *Azotobacter chroococcum* + *Trichoderma viridae* + *Glomus fasciculatum*, recorded highest vine length (143.33cm), more number of leaves per plant (47.23), more number of branches per plant (2.72), lowest days to flowering (28.00) and highest fruit yield (12.70 t/ha). Significantly highest nutrient uptake (194.60 N, 55P and 237 K kg\ha) was recorded with the same treatment.

Key Words : *Azospirillum*, Bio fertilizers, *Cucumis anguria*, Gherkin, *Trichoderma*

How to cite this article : Patil, Chandru and Narayana, J. (2017). Impact of bio fertilizers along with combination of different level of N, P and K on nutrient uptake in Gherkin (*Cucumis anguria* L.). *Internat. J. Plant Sci.*, **12** (2): 120-124, **DOI: 10.15740/HAS/IJPS/12.2/120-124**.

Article chronicle : Received : 19.03.2017; **Revised :** 22.04.2017; **Accepted :** 10.05.2017

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