

## **Evaluation of cowpea (*Vigna unguiculata* L.) varieties for economical and quality parameter under Allahabad region**

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**ABSTRACT :** An experiment was conducted at research farm of Horticulture in the year 2015-2016. Fifteen varieties of cowpea were procured from the Indian Institute of Vegetable Research Varanasi and Indian Institute of Horticulture Research Bangalore, viz, 2012/COPBVAR-4, 2012/COPBVAR-3, 2012/COPBVAR-5, 2012/COPBVAR-6, Lola (C), Karnataka local, RK-4, Gomachi, long yard bean, Kashi Unnathi, Kashi Nidhi, Swarna Mukta, Swarna Harita, Kashi Kanchan, Arka Garima. It was revealed that protein content varied significantly among all the cowpea varieties. The highest value for the protein was recorded in variety 2012/COPBVAR-6 (28.1%), followed by Kashi Kanchan (26.8%), Swarna Harita (24.6%), Gomachi (23.6%). The lowest value for the protein was recorded in variety Lola (C) (19%), followed by 2012/COPBVAR-5 (19.16%), RK-4 (19.64%), Arka Garima (20.14%).

**Key Words :** Evaluation, protein content, cowpea varieties, yield, Allahabad region.