



RESEARCH ARTICLE :

Influence of foliar nutrition on growth characters of black gram [*Vigna mungo* L.] under rainfed condition

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SUMMARY : Aim of research work is to study the effect of foliar nutrition on growth, yield, and quality of black gram (*Vigna mungo* L.). The field experiment was conducted in College of Agriculture, Latur farm during the *kharif* season 2016-2017 with black gram variety TAU-1 as test crop. The result revealed that foliar nutrition along with RDF had significant effect on growth parameter of black gram. Application of 19:19:19 @ 1.0% at vegetative stage, 00:52:34 @ 1.0% at flowering stage and 13:00:45 @ 1.0% at grain filling stage along with RDF recorded significantly higher plant height, number of branches, leaves, leaf area, root nodules and pods plant⁻¹ of black gram. The application of 19:19:19 @ 1.0% at vegetative stage, 00:52:34 @ 1.0% at flowering stage and 13:00:45 @ 1.0% at grain filling stage along with RDF recorded highest plant height as 16.11, 30.73, 44.52, 45.25 cm and number of branches as 3.73, 6.20, 8.13, 8.33 at 30, 45, 60 DAS and harvest, respectively; leaves plant⁻¹ 15.33, 22.67, 10.67 and leaf area plant⁻¹ 334.33, 621.73 and 176.33 cm² at 30, 45, 60 DAS, respectively; root nodules plant⁻¹ 20.33 (45DAS) and 34.20 (60 DAS) and pods plant⁻¹ 12.27 (60 DAS) and 15.07 (harvest) over control.

KEY WORDS :

Black gram, Height, Leaf area, Branches, Root nodules, Pods

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