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RESEARCH ARTICLE

Effect of spacing and genotypes on physiological growth indices of french bean (*Phaseolus vulgaris* L.)

■ C. M. Kamble, A. P. Trivedi, A. S. Bhanvadia, J. J. Ghadiali and B. K. Patel

SUMMARY

A field experiment was conducted at the Regional Research Station, Anand Agricultural University, Anand to evaluate the effect of various spacing and genotypes on physiological growth indices of french bean (*Phaseolus vulgaris* L.) during *Rabi* seasons of 2019-20 and 2020-21. The experiment consisted of twenty-two treatment combinations comprised of two levels of spacing [S_1 : 30 x 10 cm and S_2 : 45 x 10 cm] and eleven levels of genotypes [G_1 : SKAUSJ-WB 185, S_2 : Tripura Rajma-1, G_3 : Phule Rajma, G_4 : Phule Suyash, G_5 : RKR 1011-1, G_6 : RKR 1033, G_7 : GR-1, G_8 : Varun, G_9 : HPR-35, G_{10} : IPR-98-3-1 and G_{11} : Swarna Safal (ICAR Ranchi)]. The results revealed that 45 x 10 cm spacing recorded significantly higher physiological growth indices in french bean. While among the various genotypes tested, the significantly higher physiological growth indices were obtained in Swarna Safal genotype of french bean and it also remained at par with Phule Rajma and GR-1 genotypes at 30 DAS, 60 DAS and at harvest.

Key Words: French bean, Spacing, Genotype

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→ MEMBERS OF THE RESEARCH FORUM

Author to be contacted:

C. M. Kamble, Department of Plant Physiology, B.A. College of Agriculture, Anand Agriculture University, Anand (Gujarat) India Email: kamblecm1974@gmail.com

Address of the Co-authors:

J. J. Ghadiali, Department of Plant Physiology, B.A. College of Agriculture, Anand Agriculture University, Anand (Gujarat) India

A. P. Trivedi, ICAR – Directorate of Medicinal and Aromatic Plant Research, Boriavi, Anand (Gujarat) India

A. S. Bhanvadia, Regional Research Station, Anand Agriculture University, Anand (Gujarat) India

B. K. Patel, Department of Agronomy, B. A. College of Agriculture, Anand Agriculture University, Anand (Gujarat) India