

Research Article

Evaluation of greengram genotypes for seed enhancement of Fe nutrition in calcareous soil

■ P. RAJAMANI AND R. SHANMUGASUNDARAM

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MEMBERS OF RESEARCH FORUM :

Corresponding author :

P. RAJAMANI, Department of Soil Science and Agricultural Chemistry, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA
Email: rajasac1983@gmail.com

Co-authors :

R. SHANMUGASUNDARAM, Department of Soil Science and Agricultural Chemistry, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA
Email: vrssundaram@yahoo.com

Summary

An attempt was tried to evaluate the different greengram genotypes for enhancement of Fe nutrition in calcareous soil of Somankottai Perivu village of Tiruppur district in Tamil Nadu. A field experiment was conducted with two treatments viz., control (-Fe) and 50 kg FeSO₄ kg ha⁻¹ (+Fe) in factorial randomized block design (FRBD) and replicated thrice with recommended dose of NPK @ 25:50:25 kg ha⁻¹. Among the ten genotypes tested, the CO 6 was found to record higher seed yield and Fe content. It was followed by, the CO 5 performed with comparable yield and Fe content. The performance of remaining genotypes is given in the descending order COGG 973 > CO 7 > COGG 979 > COGG 668 > Samrat > Pusha vishal. The COGG 975 genotype showed poor performance and recorded lower Fe content, uptake and protein content in seeds.

Key words : Greengram genotypes, Yield, Fe content, Fe uptake, Protein content

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