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RESEARCH ARTICLE: Impact of seed zinc and iron content of on germination and seedling vigour in pigeonpea

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SUMMARY : A study was carried out to evaluate the influence of seed zinc and iron content on quality traits in pigeonpea (*Cajanus cajan* (L.) Millsp). A total of 64 pigeonpea genotypes were used for mineral content (Zn and Fe) analysis and categorized into low, medium and high iron and zinc content. Five and three genotypes from each category for iron and zinc were used for seed quality analysis. Results revealed that there was a progressive increase in seed germination (from 82.92 to 96.50 % and 81.76 to 94.95 %), seedling length (25.93 to 33.48 cm and 27.38 to 32.75 cm) and seedling vigour index (2150 to 3231 and 2239 to 3110) with increase in seed-Fe and Zn content, respectively.

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KEY WORDS: Seed, Iron, Zinc, Pigeonpea, Seed quality

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