

PERFORMANCE OF HYV PIGEON PEA (*CAJANUS CAJAN* L.) RAJEEV LOCHAN IN KORBA DISTRICT OF CHHATTISGARH

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ABSTRACT

Pigeon pea (*Cajanus cajan* (L.) Millspaugh) is one of the main pulse crop and sources of protein for a majority of the Indian diet and cultivated under rainfed condition in Chhattisgarh. The present study was carried out in different village of Katghora, Kartala and Pondi Uproda block of Korba district under FLD programme of Krishi Vigyan Kendra Korba during Kharif 2011 to assess the performance of improved cultivars, (Rajeev Lochan) recorded the significant higher production as well as higher productivity. Present study observed that average yield of pigeon pea under front line demonstration were 12.81, 12.50 and 12.12 qha⁻¹ as compare to 7.68, 7.30 and 7.80 qha⁻¹ recorded in farmer's practice, average yield increased to 40.05, 31.52 and 37.60 percent in Katghora, Kartala and pondi Uproda block respectively. It was observed that the benefit cost ratio (B:C ratio) of recommended practice (FLD's) were 3.65, 3.44 and 3.49 as compared to 2.47, 2.61 and 2.42 in farmer's practice during study year 2011 in Katghora, Kartala and pondi Uproda block respectively. The average extension gap, average technology gap and technology index were found to 4.55, 5.52 and 30.68 qha⁻¹ respectively. Therefore, the results clearly indicates that the use of improved varieties and package and practices with scientific intervention under front line demonstration programme contributed to increase the productivity and profitability of pulses in Chhattisgarh.

KEYWORDS: Pigeon Pea, FLDs, Rajeev Lochan Varieties, Compared to Local Varieties