

## TECHNOLOGY TRANSFER THROUGH FIELD TRIALS FOR INCREASING PRODUCTIVITY AND PROFITABILITY OF PIGEON PEA

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**Abstract:** Pigeon pea is one of the major *kharif* crop grown in district. Farm Science Centre known as KrishiVigyan Kendra laid down Front Line Demonstration in the year 2017-18 to 2018-19 introducing new and high yielding variety “Rajiv Lochan” applying scientific practices in their cultivation. The FLDs were carried out in different villages of Surguja district. The productivity and economic returns of pigeon pea in improved technologies were calculated and compared with the corresponding farmer’s practices (local check). Improved practices recorded higher yield as compared to farmer’s practices. The improved technology recorded higher yield of 17.47 over farmers practice 9.89 q/ha. In spite of increase in yield of pigeon pea, technology gap, extension gap and technology index existed. The variation in per cent increase in the yield was found due to the lack of knowledge, and poor socio economic condition. It is concluded that the FLDs programmes were effective in changing attitude, skill and knowledge of improved package and practices of HYV of pigeon pea adoption.

**Keywords:** Pigeon Pea, FLDs, Economic impact, Adoption

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