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RESEARCH PAPER

Technology gap assessment and productivity gain through front line demonstration in groundnut

Shaukat Ali*, Bhupender Singh **and** Rupesh Meena
Krishi Vigyan Kendra (S.K.R.A.U.), Padampur, Sriganganagar (Rajasthan) India
(Email: kvksgnr@gmail.com; kvksgnrskrau@gmail.com; kvksgnrskrau@rajasthan.gov.in)

Abstract : KVK, Padampur, Sriganganagar (Rajasthan) conducted total 94 cluster front line demonstrations on groundnut at farmers field in Sriganganagar district (Rajasthan) during three consecutive *Kharif* seasons from 2019 to 2021. The farming situation was irrigated and soil was sandy loam low in nitrogen, medium in phosphorus and medium to high in potash. Assessment of gap was done and on basis of gap assessment, improved recommended technologies were demonstrated. On overall average basis, 16.75 % higher pod yield was recorded under demonstrations than the farmer's traditional practices (Local check). The extension gap, technology gap and technology index were 350 kg/ha, 357 kg/ha and 12.74 %, respectively. An additional investments of Rs. 1249 per ha consist with scientific monitoring of demonstration and non–monetary factors resulted in additional return of Rs. 17,787 per ha. On three year average basis incremental benefit : cost ratio was found 18.16.

Key Words : Groundnut, Pod yield, Economics, Technology gap, Extension gap

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***Author for correspondence:**