



Research Article

Comparative evaluation of front line demonstration on yield and economics of field pea (*Pisum sativum* L.) in eastern U.P.

■ R.K. SINGH, V.B. SINGH, R. NAYAK, A.K. SINGH AND S.K. KANNAUJIA

ARTICLE CHRONICLE :

Received :

30.09.2013;

Revised :

18.11.2013;

Accepted :

17.12.2013

KEY WORDS :

Field pea, FLD programme, Technology gap, Technology index

SUMMARY : Field pea (*Pisum sativum* L.) is a premier winter season grain legume crop largely confined to cooler temperate zones and widely consumed in India. Hiking of prices enhanced its ranking among the pulses and considered as poor man meat in daily diet. It also plays an important role in promoting conservation agriculture and sustainability by enriching the soil through biological nitrogen fixation. Azamgarh district of Uttar Pradesh occupies 7033 hectares of land and 8925 metric tones production with average productivity of 1,269 kg ha⁻¹ of field pea. Looking of facts that the productivity is far below when compared to potential yield, farmer fields provided an opportunity to demonstrate proven technologies of field pea under front line demonstration (FLD) by the Krishi Vigyan Kendra, Azamgarh (U.P.). The FLDs were carried out at 54 farmers field in 5 villages for four consecutive years viz., 2007-08, 2008-09, 2009-10 and 2010-11. The highest grain yield 28.4 qha⁻¹ was recorded in the year 2010-11 followed by 25.8 qha⁻¹ during 2007-08 over farmers practices 19.7 and 18.3 qha⁻¹, respectively. The aforesaid years also recorded marked increase in yield (44.2 and 41.0 %) over control and found more profitable on economic parameter with higher benefit cost ratio (BCR) in both the years. An abrupt increase in BCR (4.36) during year 2010-11 was noticed due to increase in yield as well as prices of pulses in comparison to rest of the years. The variation in the percent increase in yield was found due to variation in agro-climatic parameters under rainfed condition.

How to cite this article : Singh, R.K., Singh, V.B., Nayak, R., Singh, A.K. and Kannaujia, S.K. (2014). Comparative evaluation of front line demonstration on yield and economics of field pea (*Pisum sativum* L.) in eastern U.P. *Agric. Update*, 9(1): 41-43.

Author for correspondence :

R. K. SINGH

Krishi Vigyan Kendra,
AZAMGARH (U.P.) INDIA
Email: rksagron@gmail.com

See end of the article for
authors' affiliations