



Research Paper

Role of front line demonstrations on the performance of drilled rice (*Oryza sativa* L.)

■ A.D. RAJ, V. YADAV, H.R. JADAV AND J.H. RATHOD

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SUMMARY : The rice covers largest area in total grain production in Narmada district of Gujarat. One of the major constraints of low productivity of rice is lack of technical knowhow of newly generated technology among farmers. The present study named dissemination of improved production technologies of rice in Narmada district of Gujarat through front line demonstrations (FLD) and its impact assessment. A total of 34 front line demonstrations were conducted during 2012 to 2013 on area of 7.8 ha with the active participation of farmers with the objective to demonstrate the latest technology of rice production. The percentage increase in the yield over local check was 20.5 with higher gross return of 15528 Rs./ha, net return of 5652 Rs./ha and benefit cost ratio 1.6 as compared to local check (12882 Rs./ha, 3851 Rs./ha and benefit cost ratio 1.4, respectively). By conduction of frontline demonstrations on farmer's field there was significant increase in knowledge level of the farmers and majority of farmer's showed high level of satisfaction about demonstrated technologies.

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Author for correspondence :

V. YADAV

Krishi Vigyan Kendra
(N.A.U.), DEDIAPADA
(GUJARAT) INDIA

Email: vikas.yadav15
@yahoo.com,
vikasyadav.hort
@gmail.com

See end of the article for
authors' affiliations