



Impact of dissemination and diffusion of conservation agronomical practices on area expansion in Hamirpur district of Bundelkhand

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Abstract : For promoting intensification and diversification of agricultural and horticultural programme, demonstrations were conducted on pulses, oilseeds, cereals, vegetables, cucurbits and spices for dissemination and diffusion of conservation agronomical practices on farmer's fields during 2008-09 to 2010-11 at Hamirpur district of Bundelkhand zone of Uttar Pradesh under Diversified Agriculture Support Project (DASP). Conservation agronomical practices included mainly the integrated crop management technologies, integrated pest management technologies, bio-composting, judicious use of chemical inputs, site specific improved/hybrid varieties, value added production, production in relation to markets opportunities and best management of available resources through actively participation of farmers. For skill upgradation and improvement in the knowledge level of the farmers about conservation agronomical practices, several transfer of technology programme like farmer-scientist-interaction, specialized farmers training, field day, exposure visit, environment camps, *kisan mela* etc. were organized to fulfill the target. The results of the activities, which were conducted under Diversified Agriculture Support Project (DASP) showed that dissemination and diffusion of conservation agronomical practices had positive impact on area expansion by 1012.4 ha in pulses, 586.3 ha in oilseeds, 634.4 ha in cereals, 389.6 ha in vegetables, 179.2 ha in cucurbits, 178.6 ha in spices and 23.3 ha in medicinal crops during three years. Agricultural crops *viz.*, pulses, oilseeds and cereals recorded 20671.5 q, 6774.5 q and 25376.0 q volume of the produce from area expansion with the value of Rs. 652.87 lac, Rs. 227.59 lac and Rs. 317.20 lac, respectively. Among horticultural crops, maximum volume of 100945.5 q was recorded in vegetables followed by 28947.0 q in spices, while lowest was 23650.0 q in cucurbits from area expansion with the value of Rs. 2225.21 lac, Rs. 688.59 lac and Rs. 510.42 lac, respectively. These results indicate that there was great impact of dissemination and diffusion of conservation agronomical practices on area expansion as well as volume and value of produce from area expansion of above crops at Hamirpur district of Bundelkhand (U.P.).

Key Words : Agricultural crops, Area expansion, Conservation agronomical practices, Horticultural crops

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