



Research Article

Farming system approach is a path of prosperity for ruined farm families

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SUMMARY : The adaptive research on farming system was carried out during 2000-01 to 2002-03. The yield of different enterprises in maize-potato-summer groundnut +1 graded buffalo farming system harvested 27.40 q/ha of maize, 264.60 q/ha of potato and 27.00 q/ha of summer groundnut and 8.00 l milk/per day/buffalo. Likewise, in maize-field pea-watermelon + 1 graded buffalo farming system gave 26.30 q/ha of maize, 27.00 q/ha of field pea, 212.00 q/ha of watermelon and 8.00 l milk/day/buffalo. The yields of maize, field pea and summer groundnut reaped as 25.22 q/ha, 32.00 q/ha and 30.00 q/ha, respectively, with same milk productivity in maize-field pea-summer groundnut + 1 graded buffalo farming system at pilot village Rajpura. Maize-garlic-summer moong + 1 graded buffalo farming system yielded 27.70 q/ha of maize, 107.07 q/ha of garlic and 9.75 q/ha of summer moong along with 11 l milk/day/buffalo. Similarly, 25.60 q/ha of maize, 29.89 q/ha of mustard, 9.80 q/ha summer moong and 11 l. milk/day/buffalo reaped from maize-mustard-summer moong + 1 graded buffalo farming system. The newly introduced farming system, maize-mustard-summer groundnut + 1 graded buffalo gave 25.00 q/ha of maize, 29.50 q/ha of mustard, 23.40 q/ha of summer groundnut and 11 l. of milk/day/buffalo at village Pal under partially reclaimed sodic soil condition. Maximum net income of Rs.73430/ha was obtained from maize-potato-summer groundnut + 1 graded buffalo farming system closely followed by maize-field pea-summer groundnut + 1 graded buffalo farming system (Rs. 72504/ha) from the normal soil condition of Rajpura. Under partially reclaimed sodic soils the farming system of maize-garlic-summer moong + 1 graded buffalo gave maximum net income of Rs. 96300/ha followed by maize-mustard-summer groundnut + 1 graded buffalo (Rs. 64325/ha).

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