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Different crop rotations (pearlmillet-pearlmillet; pearlmillet-cotton; pearlmillet-*bidi*

tobacco; pearlmillet+ greengram continuous strip cropping; pearlmillet+greengram strip cropping-cotton+groundnut mixture; pearlmillet+greengram strip cropping-green manured cotton; pearlmillet+greengram strip cropping-green manuring *bidi*-tobacco, were tried at Vasad during 1959-60 to 1964-65. The results indicated that the rotations involving pearlmillet- *bidi*-tobacco and pearlmillet+greengram strip cropping-green manuring *bidi*-tobacco gave the highest profits of Rs. 2,516 and 3,868/ha, respectively. Seed cotton yield was affected adversely when groundnut was sown between the cotton lines.