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THESE.

manure crops of sunnhemp (Crotalaria juncea Linn.), dhaincha [Sesbania cannabina Pers.] and Ipomoea carnea Jacq. were fitted in rice-wheat rotation on irrigated Door Valley to minimize the N use and maximize production. Only sunnhemp and serve significantly higher yield of grain and straw over the control in the first and second (wheat) crops. Though Ipomoea gave higher yield than the control, the was only significant in the second crop of wheat. In addition to green manures, mess added to rice (0, 30, 60 and 90 kg/ha) and wheat (0 and 50 kg/ha) resulted in members afferences in yield of both the crops without giving any interaction effect with The prediction equation showed that 74.5, 49.9 and 25.3 kg/ha N could be meanuring with sunnhemp, dhaincha and Ipomoea, respectively.