Observations on the paddy yield before and after integration revealed that in the rice fish integrated framing system, the average yield ranged from 4170 kg/ha in 1997 to 5450 kg/ha in 2003, with a mean annual yield of 4652 kg/ha. (Table 1.1) Prior to fish integration (1995-96), the average yield was only 3814 kg/ha in virippu and 2728 kg/ha during punja seasons in these plots. The polder recorded an increase in yield by 35.57%, immediately succeeding the fish integration (1996-97). The rice yield further increased by 16.93%
during the second year, 1997-98. Since then the yield from polder A was more or less steady and stabilized to an average of 4652 kg/ha. The yield increase consequent to rice integration has been quantified to be 51.23% of the mean rice yield for the double cropping system of the base year 1995-96. Comparison of the yield with the virippu yield alone of the base year, the yield increase is computed to be 21.97%. (Fig 1.2).

Figure 1.2

Variation in realized rice yield in the rice-fish system