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Two local strain of chicken Mandarah (Mn) and Silver Montazah (SM) and one commercial strain Lohman Brown (LB) were used in this study.

In the first generation a total of 10 males for sire line (SM) and (Mn) and 100 females of (LB) strains were used to produce Mn x LB and SM x LB crosses. In the second generation, which the three-way crosses and the reciprocal cross was developed, with matting between males and females of two-way crosses, (LB) contributed 50% of the three-way cross.

Three-way crosses improved ASM, BW at different ages, EN and EM during different periods and decreased fertility %, hatchability traits % and BW at sexual maturity than the local strains.

These results may be due to cross local strain with commercial strain.
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Title: PRODUCTION OF 3-WAY CROSS OF CHICKENS TO IMPROVE EGG PRODUCTION TRAITS

(Summary)
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Effect of crossbreeding:

1. Three-way crosses decreased fertility and hatchability traits % than the pure lines.

2. BW at different ages was improved when crossed local strain with commercial strain.

3. Three-way cross lines improved ASM, while, decreased BWSM for three way-crosses.

4. Three-way crosses were improved EN and EM during different periods of production, while decreased...