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**LIST OF ABBREVIATIONS**

|  |  |
| --- | --- |
| **Abbreviations** | **Elaboration** |
| **♂** | Male |
| **♀** | Female |
| NF cross | Naked neck♂ × Fayoumi♀ |
| RN cross | RIR♂ × Naked Neck♀ |
| RIR | Rhode Island Red |
| % | Percentage |
| n | Number |
| gm | Gram |

**ABSTRACT**

An experiment was conducted to compare the survivability and feed intake of the cross breeds of (Naked Neck♂ × Fayoumi♀) and (RIR♂ × Naked Neck♀) at grower stage up to 9 weeks of age. Thirty cross breed birds of each group were considered. Commercial layer ration was fed to experimental birds ad libitum. Similar care and management were provided to birds of all treatment groups. Naked neck and Fayoumi cross breeds showed the survivability of 96.15%, 96%, 95.83% and 95.65% in the 4th, 5th, 6th and 7th week of age whereas RIR and Naked Neck cross breed showed that the survivability of the birds were highest 100% at 4th week of age and lowest 90.48% at 8th weeks of age. At the age of 8th week the survivability rate was lowered to 90.48% and then it was therefore recorded as 96%, 100%, 100%, 95.83%, 95.65% and 95.46% in the 2nd, 3rd, 4th, 5th, 6th and 7th week of age respectively. Then at the level of 9th week survivability rises to 94.74%. Naked neck and Fayoumi cross breeds the highest feed intake 6433.63gms were in 9th week of age and lowest 1144gms of feed intake in first week of age. When feed consumption was considered highest average feed intake by the birds was 6433.63gm/week and lowest was 1144gms/week. The intake was increasing in sequence with the increase of week of age correspondingly while considered the feed intake of RIR and Naked Neck, the highest feed intake 3211.90gms were in 8th weeks of age and lowest 807.29 gms of feed intake in first week of age respectively. When feed consumption was considered highest average feed intake by the birds was 3211.90gms/week recorded at 8th week of age and lowest was 807.29gms/week at 1st week of age.

On the basis of results, it was concluded that (Naked Neck♂ × Fayoumi♀) and (RIR♂ × Naked Neck♀) cross-bred chicks could be reared up to 9 weeks respectively to reach target weights with minimum mortality rate with least feed intake respectively to obtain maximum profit.

**Key words**: Cross breeds, Survivability, Feed intake.