

CHAPTER: FOUR

RESULTS

4.1 The effect of NeemAzal-T/S against larvae and adults of *Tribolium castaneum*

Considering the mortality among the larvae and adults (as seen table.1 and illustrated in fig.2 and fig.3). There was no significant differences among the three tested doses until the fifth day .

On the sixth day, NeemAzal higher dose gave a significantly higher mortality than the lower and the recommended dose, whereas in adults there was no significant difference in mortality among the three doses. On the seventh day the recommended dose gave a significantly higher mortality among larvae than the lower dose, but it was significantly lower than the higher dose. On the other hand there was no significant difference among adults for the three tested doses.

By the last day of the experiment (the 11th day) the NeemAzal higher and recommended doses gave 80 and 83% mortality respectively and they were not significantly different. As for the adults only 11%,13.3% and 20% mortality were obtained using the lower, the recommended and the higher dose, respectively. As for the control treatment not a single larva or adult died throughout the experiment.