Mean larval population days after spraying

Figure 4: Mean larval population of *H. armigera* in chickpea in different treatments under field condition after first spray
Mean larval population days after spraying

**Figure 5**: Mean larval population of *H. armigera* in chickpea in different treatments under field condition after second spray.
Figure 6: Seed yield of chickpea and percent increase over control in different treatment during *rabi*, 2016-17
Figure 1: Distribution map of *H. armigera* over the world (CABI, 2013)
Figure 2: Weekly average population of *H. armigera* on chickpea in relation to different abiotic (weather) and biotic parameters during *rabi*, 2016-2017
MORTALITY PERCENTAGE (%)

- Younger larvae unknown factors: 0.35%
- NPV: 1.68%
- B. bassiana: 2.98%
- Older larvae unknown parasites: 0.53%
- Older larvae unknown disease: 3.40%
- Pupae unknown reasons: 7.56%
- Pupae unknown disease: 16.43%
- Bacterial infections: 0.27%
- N. rileyi: 0.31%
- Bracon spp: 0.26%
- Deformed adults: 1.43%

Figure 3: Key mortality factors of *H. armigera* on chickpea during *rabi*, 2016-2017