LIST OF TABLES

Table 3.1:	Evaluation of various botanicals against sorghum grain molds	**36**
Table 3.2:	Evaluation of various antagonists against sorghum grain molds	**38**
Table 3.3:	Systemic and non-systemic fungicides tested for their bio- efficacy against sorghum grain molds	**40**
Table 4.1:	The different isolates obtained from discolored sorghum grains and their tentative identification	**44**
Table 4.2:	Effect of seed inoculation with different fungi on seed germination, seedling mortality and symptoms produced	**51**
Table 4.3:	Effect of seed inoculation with different fungi on seed germination, seedling mortality and symptoms produced	**52**
Table 4.4:	The growth and sporulation of *Fusarium moniliforme* on different media *in vitro*	**57**
Table 4.5:	The growth and sporulation of *Alternaria alternata* on different media *in vitro*	**59**
Table 4.6:	The growth and sporulation of *Fusarium oxysporum* on different media *in vitro*	**61**
Table 4.7:	The growth and sporulation of *Macrophomina phaseolina* on different media *in vitro*	**63**
Table 4.8:	The growth and sporulation of *Colletotrichum graminicola* on different media *in vitro*	**65**
Table 4.9	Effect of grain molds on seed germination, shoot and root length and SVI of sorghum	**66**
Table 4.10:	Effect of plant extracts on growth and sporulation of *Alternaria alternata*	**71**
Table 4.11:	Effect of plant extracts on growth and sporulation of *Fusarium oxysporum*	**72**
Table 4.12:	Effect of plant extracts on growth and sporulation of *Colletotrichum graminicola*	**74**
Table 4.13:	Effect of plant extracts on growth and sporulation of *Fusarium moniliforme*	**76**
Table 4.14:	Effect of plant extracts on growth and microsclerotial formation of	**79**

Macrophomina phaseolina

Table 4.15: *In vitro* screening of antagonists against *Macrophomina phaseolina* by dual culture method **81**

Table 4.16: *In vitro* screening of antagonists against *Macrophomina phaseolina* by pathogen at centre method **82**

Table 4.17: *In vitro* screening of antagonists against *Macrophomina phaseolina* by pathogen at periphery method **83**

Table 4.18: *In vitro* screening of antagonists against *Fusarium moniliforme* by dual culture method **85**

Table 4.19: *In vitro* screening of antagonists against *Fusarium moniliforme* by pathogen at centre method **86**

Table 4.20: *In vitro* screening of antagonists against *Fusarium moniliforme* by pathogen at periphery method **88**

Table 4.21: *In vitro* screening of antagonists against *Colletotrichum graminicola* by dual culture method **89**

Table 4.22: *In vitro* screening of antagonists against *Colletotrichum graminicola* by pathogen at centre method. **91**

Table 4.23: *In vitro* screening of antagonists against *Colletotrichum graminicola* by pathogen at periphery method. **92**

Table 4.24: *In vitro* screening of antagonists against *Alternaria alternata* by dual culture method **94**

Table 4.25: *In vitro* screening of antagonists against *Alternaria alternata* by pathogen at centre method **95**

Table 4.26: *In vitro* screening of antagonists against *Alternaria alternata* by pathogen at periphery method **97**

Table 4.27: *In vitro* screening of antagonists against *Fusarium oxysporum* by dual culture method **99**

Table 4.28: *In vitro* screening of antagonists against *Fusarium oxysporum* by pathogen at centre method **100**

Table 4.29: *In vitro* screening of antagonists against *Fusarium oxysporum* by pathogen at periphery method **101**

Table 4.30 *In vitro* screening of fungicides against *Alternaria alternata* **103**
Table 4. 31: *In vitro* screening of fungicides against *Fusarium oxysporum* **105**
Table 4.32: *In vitro* screening of fungicides against *Colletotrichum graminicola* **106**
Table 4.33 *In vitro* screening of fungicides against *Fusarium moniliforme* **109**
Table 4.34 *In vitro* screening of fungicides against *Macrophomina phaseolina* **111**