

Dedication

To the soul of my Parents and soul of my sister

To my Husband

To my Children

To my Family

To my teachers and friends

With love and respect

Hayat

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ABSTRACT

Seeds samples of two cultivars of chickpea were collected from Arab Seed Company, (ASC) and one cultivar from the local market for the study. The samples were tested by the international methods that include for the study Dry inspection test, Agar, and Blotter method. The study revealed the presence of the following fungi, *Fusarium oxysporum f. sp. cicer*, *Drechslera specifer*, *Alternaria alternata*, *Asperigillus flavus* and *Emcerilla spp.*

Fusarium oxysporum f.sp.cicer and *Drechslera specifer* were encountered in high percentage. The pathogenicity test of *Fusarium oxysporum f.sp cicer* showed that the fungus affected the seedlings stand in both seed and soil inoculation. The symptom revealed was damping-off.

Spores suspension of *Drechslera specifer* sprayed on young seedlings showed symptoms of blight as well as browning of hypocotyl and root system.

Physiological Studies have shown that the optimum temperature for growth of *F. oxysporum f.sp.cicer* was 25°C and of *D. specifer* was found to be 28°C.

Potato dextrose agar (PDA) was found to be the best medium for the growth of the fungus *Fusarium oxysporum f.sp.cicer* and

potato sucrose (PSA) was found the best medium for growth of the fungus *Drechslera specifer*

There was no significance deference between the three carbon sources used for *Fusarium oxysporum f.sp.cicer*

In the chemical control Biovidan and Tilt fungicides were used .And were found to be effective in inhibiting the growth of *Fusarium oxysporum f.sp.cicer* and *Drechslera specifer*. Tilt was more effective than Biovidan.

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