



**A CASE STUDY :**

## A case study on major diseases of citrus

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**ARTICLE CHRONICLE :**

**Received :**

11.07.2017;

**Accepted :**

26.07.2017

**SUMMARY :** The present investigation was carried out to identify and estimate the disease incidence of citrus (*Citrus* spp.) in South Farm, Pollachi. The survey was carried out on major diseases like Citrus canker, Tristeza, Greening, Anthracnose and Citrus scab. By following the methodology of per cent Disease Index, the severity of these diseases that cause considerable yield loss and its incidence were recorded from January to April 2017. Of all the agricultural diseases that threaten citrus crops, Citrus canker and Citrus tristeza are the most devastating. Severe infections of canker can cause defoliation, blemished fruit, premature fruit drop, twig dieback and general tree decline. *Citrus tristeza virus* (CTV) induces stunting, stem pitting and low bearing of some varieties. Based on the study, Citrus canker and Citrus tristeza has more incidence of about 61.3 per cent and 55.35 per cent, respectively. On comparing the survey period (*i.e.* from Jan to April) the disease incidence in the month of January is quite high, and it is due to the climatic factors which favours the easier and faster spread of the pathogens.

**.How to cite this article :** Athira, K. (2017). A case study on major diseases of citrus. *Agric. Update*, 12(TECHSEAR-1) : 296-300; DOI: 10.15740/HAS/AU/12.TECHSEAR(1)2017/296-300.

**KEY WORDS :**

Per cent disease index, Citrus canker, *Citrus tristeza virus*, Climatic factors

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