

Date - 11-02-2025

Department of Botany - B.Sc. part - III, Honors E. Copy  
online class - T. I. College, Ara

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Time - 10:30 - 11:30

Question → Describe citrus canker disease and its control? <sup>paper - II - Group - B. plant pathology -</sup>

Ans → This is bacterial disease caused by *Xanthomonas citri*. The bacteria are anaerobic, rod shaped and yellow with soluble pigments. They enter into the host through stomata, lenticel and wounds. They penetrate the host tissue in low temperature and humid conditions.



Fig - citrus Canker A-D Disease symptoms A-B on leaves C on twig & Fruit.

Symptoms of disease → The infection occur almost in every part of the host plant, such as stem, leaves, fruits etc. The disease appears on plant parts on small rounded yellowish patches. The patches become by dry, corky and brown at maturity. The patches become larger and burst in the middle at maturity. The infection may be seen on petioles and midribs. The leaves become weak and fall off earlier. The infections are seen on all varieties of citrus including ~~orange~~ orange.

Control of disease →

- I. All infected plants should be burnt.
- II. The resistant varieties should be grown.
- III. Spray of Bordeaux mixture and lime sulphur is useful.
- IV. Use of streptomycin, phycomycin etc. are effective.

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