

# Canker

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:This article is about the plant disease. For the human condition, see mouth ulcer. trees, and has no cure. Canker and anthracnose are general terms for a large number of different plant diseases, characterised by broadly similar symptoms including the appearance of small areas of dead tissue, which grow slowly, often over a period of years. Some are of only minor consequence, but others are ultimately lethal, and of major economic importance in agriculture and horticulture. Different cankers and anthracnoses are caused by a wide range of organisms, including fungi, bacteria, mycoplasmas and viruses. The majority of canker-causing organisms are tied obligately to a single host species or genus, but a few will attack a wider range of plants. Canker can be spread by weather and animals, making an area that even has a slight amount of canker hazardous. Some cankers are treatable with fungicides or bactericides, but many are not; often the only treatment available is to destroy the infected plant to prevent the disease from spreading to other plants. Some cankers: \*Apple canker, caused by the fungus *Nectria galligena* \*Ash bacterial canker, caused by the bacterium *Pseudomonas syringae* \*Butternut canker, caused by the fungus *Sirococcus clavignenti-juglandacearum* \*Citrus canker, caused by the bacterium *Xanthomonas axonopodis* \*Cypress canker, caused by the fungus *Seridium cardinale* \*Dogwood anthracnose, caused by the fungus *Discula destructiva* \*Grape canker, caused by the water mould *Eutypa lata* \*Honey locust canker, caused by the fungus *Thyronectria austro-americana* \*Mulberry canker, caused by the fungus *Gibberella baccata* \*Oak canker, caused by the fungus *Diplodia quercina* \*Pine pitch canker, caused by the fungus *Fusarium pini* \*Plane anthracnose, caused by the fungus *Apiognomonina veneta* \*Poplar canker, caused by the bacterium *Xanthomonas populi* \*Rapeseed stem canker, caused by the blackleg fungus *Leptosphaeria maculans* \*Rose cankers, caused by the fungus *Leptosphaeria coniothyrium* and *Cryptosporella umbrina* \*Scleroderis canker, caused by the fungus *Gremmeniella abietina* \*Willow anthracnose, caused by the fungus *Marssonina salicicola* Category: Plant pathogens and diseases sde: Baumkrebs fr: Chancre It: Degulia itr: Bakteri yaprak lekesi Capillaries 160754 16047950 2002-12-22T20:35:27Z Montrealais 3378 ( [From the Wikipedia article Canker](#) .)

## Recent Publications on Canker:



- [Optimal strategies for the eradication of asiatic citrus canker in heterogeneous host landscapes.](#)  
*ABSTRACT The eradication of nonnative plant pathogens is a key challenge...* 11th November, 2009 - *Phytopathology*. 2009 Dec;99(12):1370-6. ([DOI Direct Link](#))
- [Analyses of air samples for ascospores of \*Leptosphaeria maculans\* and \*L. biglobosa\* by light microscopy and molecular techniques.](#)  
*Spores of many fungal pathogens are dispersed by wind. Detection of these...* 31st October, 2009 Institute of Plant Genetics, Polish Academy of Sciences, Poznan, Poland.- *J Appl Genet*. 2009;50(4):411-9.
- [\[Identification and analysis of an actinomycete strain suppressing \*Clavibacter michiganensis\* subsp. \*michiganensis\*\]](#)

*OBJECTIVE: To identify and analyze bioactive compounds of an actinomycete...* 31st October, 2009  
College of Plant Protection, Agricultural University of Hebei, Biological- Wei Sheng Wu Xue Bao. 2009  
Jul 4;49(7):889-95.

- [Quantitative resistance increases the durability of qualitative resistance to \*Leptosphaeria maculans\* in \*Brassica napus\*.](#)  
*New Phytologist (2009) Summary \* It has frequently been hypothesized that...* 10th October, 2009  
INRA, Agrocampus Ouest, Univ. Rennes1, UMR1099 BiO3P (Biology of Organisms- New Phytol. 2009  
Oct 8. ([DOI Direct Link](#))
- [Horizontal chromosome transfer, a mechanism for the evolution and differentiation of a plant-pathogenic fungus.](#)  
*The tomato pathotype of *Alternaria alternata* produces host-specific AAL...* 15th September, 2009  
Laboratory of Plant Pathology, Faculty of Agriculture, Tottori University,- Eukaryot Cell. 2009  
Nov;8(11):1732-8. Epub 2009 Sep 11. ([DOI Direct Link](#))
- [\[Esca and Black Dead Arm: two major actors of grapevine trunk diseases\]](#)  
*Grapevine trunk diseases are very harmful to wine-growing heritage...* 15th September, 2009  
Institut Francais de la vigne et du vin (ENTAV-ITV France), pole- C R Biol. 2009 Sep;332(9):765-83.  
Epub 2009 Jul 3. ([DOI Direct Link](#))
- [Modulating host homeostasis as a strategy in the plant-pathogen arms race.](#)  
*In plant-pathogen interactions, pathogens aim to overcome host defense...* 26th August, 2009  
Molecular Biology Division; Instituto de Biologia Molecular y Celular de- Commun Integr Biol. 2009  
Mar;2(2):89-90.
- [Developing rainfall- and temperature-based models to describe infection of canola under field conditions caused by pycnidiospores of \*Leptosphaeria maculans\*.](#)  
*Blackleg, also known as *Phoma stem canker*, caused by *Leptosphaeria*...* 13th August, 2009  
Department of Plant Science, University of Manitoba, Winnipeg, Manitoba.- Phytopathology. 2009  
Jul;99(7):879-86. ([DOI Direct Link](#))
- [Amplified fragment length polymorphism and multilocus sequence analysis-based genotypic relatedness among pathogenic variants of \*Xanthomonas citri\* pv. \*citri\* and \*Xanthomonas campestris\* pv. \*bilvae\*.](#)  
*Three pathogenic variants (i.e. pathotypes) were described within...* 6th August, 2009  
CIRAD.- Int J Syst Evol Microbiol. 2009 Aug 4. ([DOI Direct Link](#))
- [Extensive tree health monitoring networks are useful in revealing the impacts of widespread biotic damage in boreal forests.](#)  
*We surveyed the regional distribution of conifer defoliation in Finland...* 25th July, 2009  
Joensuu Research Unit, Finnish Forest Research Institute, P.O. Box 68,- Environ Monit Assess. 2009  
Jul 24. ([DOI Direct Link](#))
- [Xanthomonas axonopodis pv. citri enters the VBNC state after copper treatment and retains its virulence.](#)  
*The most severe form of citrus canker disease is caused by *Xanthomonas*...* 25th July, 2009  
Departamento de Biologia Molecular, Instituto de Investigaciones- FEMS Microbiol Lett. 2009  
Sep;298(2):143-8. Epub 2009 Jun 26. ([DOI Direct Link](#))
- [Comparison of the transcriptomes of American chestnut \(\*Castanea dentata\*\) and Chinese chestnut \(\*Castanea mollissima\*\) in response to the chestnut blight infection.](#)  
*BACKGROUND 1471-2229-9-51: American chestnut (*Castanea dentata*) was...* 25th June, 2009  
The School of Forest Resources, Department of Horticulture, The Huck- BMC Plant Biol. 2009 May  
9;9:51. ([DOI Direct Link](#))
- [Visualization of wound periderm and hyphal profiles in pine stems inoculated with the pitch canker fungus \*Fusarium circinatum\*.](#)  
*Postpenetration behavior of *Fusarium circinatum* in stems of pine species...* 2nd June, 2009  
National Instrumentation Center for Environmental Management, Seoul- Microsc Res Tech. 2009 May  
29. ([DOI Direct Link](#))
- [North-South divide: contrasting impacts of climate change on crop yields in Scotland and England.](#)  
*Effects of climate change on productivity of agricultural crops in...* 19th May, 2009

Rothamsted Research, , Harpenden, Hertfordshire AL5 2JQ, UK.- J R Soc Interface. 2009 May 15. ([DOI Direct Link](#))

- [Citrus Canker.](#)

*BACKGROUND*1471-2229-9-51: American chestnut (*Castanea dentata*) was...30th April, 2009 Horticultural Research Lab, USDA-ARS Horticultural Crops Research, Fort- Annu Rev Phytopathol. 2009 Jan 15. ([DOI Direct Link](#))

## BioNews Results for Canker

- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*KOTA Territory News: Nov 12 2009 11:33AM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*KSLA: Nov 12 2009 6:03AM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*Pharma Live: Nov 11 2009 10:32PM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*Red Orbit: Nov 11 2009 4:31PM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
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*Red Orbit: Nov 11 2009 4:31PM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*Red Orbit: Nov 11 2009 4:29PM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*Montana's News Station: Nov 11 2009 3:25PM Matching: canker*
- [Access Pharmaceuticals Provides Update on MuGard Commercial Launch in North America](#)  
*Houston Chronicle: Nov 11 2009 2:10PM Matching: canker*
- [No cure for flu vaccine shortages](#)  
*Boston Herald: Nov 8 2009 7:45AM Matching: canker*
- [Online bonus column / Ann McFeatters / What flu vaccine shortage says about us](#)  
*Press of Atlantic City: Nov 6 2009 1:11PM Matching: canker*
- [Elhuyar Fundazioa: Canker disease in eucalyptus in the Basque Country](#)  
*NewsRX: Nov 3 2009 5:16AM Matching: canker*
- [Canker disease in eucalyptus in the Basque Country](#)  
*Pharmacy Choice: Oct 25 2009 7:36AM Matching: canker*

## Canker Clinical Trials:



- [Prevention of Recurrent Aphthous Stomatitis Using Vitamins](#)





## Canker Patents:

- 7525020- [Soybean variety XB12R07](#)
- 7553932- [Methods of treating viral infection with IL-10 receptor antagonists](#)
- 7554017- [Soybean cultivar S06-CL959411](#)
- 7557269- [Soybean cultivar 1335025](#)
- 7560112- [Anti-il-6 antibodies, compositions, methods and uses](#)
- 7560620- [Soybean cultivar S07-03KL016279](#)
- 7560621- [Soybean cultivar S07-03JR108674](#)
- 7566683- [Ethylene derivatives and pesticides containing said derivatives](#)
- 7566819- [Soybean variety 98Y11](#)
- 7569232- [Medium chain peroxycarboxylic acid compositions](#)
- 7547822- [Soybean variety XB41J07](#)
- 7547433- [Liquid formulations for the prevention and treatment of mucosal diseases and disorders](#)
- 7547421- [Apparatus and method for making a peroxycarboxylic acid](#)
- 7525021- [Soybean variety XB17U07](#)
- 7525022- [Soybean variety XB21N07](#)
- 7525023- [Soybean variety XB28K07](#)
- 7525024- [Soybean variety XB35F07](#)
- 7528299- [Soybean variety XB35X07](#)
- 7528300- [Soybean variety XB52Q07](#)
- 7541520- [Soybean variety XB47Q06](#)
- 7544864- [Soybean variety XB31J07](#)
- 7544865- [Soybean variety XB26R06](#)
- 7569749- [Soybean variety XB46V07](#)
- 7572950- [Methods for obtaining pathogen resistance in plants](#)
- 7572955- [Soybean variety XB11J07](#)
- 7592519- [Soybean variety XB27D08](#)
- 7598435- [Soybean variety XB33U08](#)
- 7601896- [Soybean cultivar 2387029](#)
- 7601897- [Soybean variety XB48X07](#)
- 7601898- [Soybean variety XB27N08](#)
- 7605305- [Soybean cultivar 2388028](#)
- 7605307- [Soybean variety XB28N08](#)
- 7608761- [Method for disease control in MON89788 soybean](#)
- 7615018- [Leg ulcer, lymphoedema and DVT vibratory treatment and device](#)
- 7592518- [Soybean cultivar S06-02RM018047](#)
- 7589261- [Soybean variety XB41M08](#)
- 7589260- [Soybean variety XB05J08](#)
- 7575764- [Compositions comprising hypsizygus ulmarius extract](#)
- 7579019- [Pharmaceutical carrier device suitable for delivery of pharmaceutical compounds to mucosal surfaces](#)
- 7579026- [Methods for enhancing antioxidant enzyme activity and reducing c-reactive protein levels](#)
- 7579522- [Soybean variety XB44G07](#)
- 7582811- [Soybean variety XB29M08](#)
- 7582812- [Soybean variety 90Y40](#)

- 7582813- [Soybean variety XB40U08](#)
- 7586025- [Soybean variety XB30Y08](#)
- 7589259- [Soybean variety XB33T08](#)
- 7615236- [Medical dressing for application and maintenance of medication on body tissue](#)

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