

# **VIRUS CASE STUDIES**

10-15 min narrated Powerpoint presentation suitable  
for posting on the Web

## **Purpose:**

1. To give each graduate student the opportunity to become familiar with plant virus journals and literature.
2. To give graduate students experience in a newer form of communication (narrated powerpoint)
3. To inform the class about individual viruses

## **Evaluation:**

- Correct use and interpretation of refereed papers and reviews
- Accuracy of the information presented
- Quality of the presentation
- Literature/image citation

Students will be assigned by random selection a time to play the presentation in the time allotted (see Syllabus).

## Format and Content:

### Description of the Virus:

taxonomy,  
structure,  
replication  
hosts and symptoms,  
vector, transmission  
economic impact,  
distribution

### Diagnostic Tests

Which ones are used?  
Which ones are commercially available and where?  
Virus specific assays? Broad spectrum assays?

### Management

Alternate hosts? certification programs? available resistance? Prevention?  
cultural tactics? chemical tactics?

## Format and Content Con't:

### Literature Cited:

- Be sure to cite all facts
- Select a standard citation format and be consistent with it  
(APS style is suggested)
- Cite sources of all images
- Whenever possible cite the original paper
- Extension publications rarely present original data and often do not credit their sources (so may have incorrect content) so they should not be used for most facts. Sometimes they are useful for management practices but may be list incorrect/useless ones so use your judgement.

## **Additional Information:**

- I will review all presentations  
(so please provide me with copies of the publications that you cite –  
digital files in a folder is easiest)
- Those that are accurate and of good quality will be posted on the Web

**For examples: Check this site for previous Case Studies:**

**<http://plantpath.ifas.ufl.edu/plant-virus-profiles/index.html>**

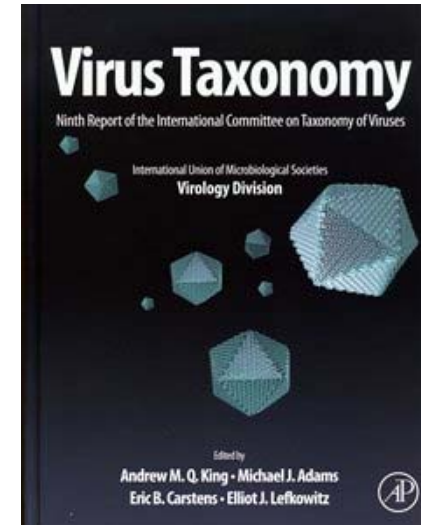
## Resources:

Last Book Published:

Virus Taxonomy – Ninth Report of the International Committee on Taxonomy of Viruses (ICTV) Published - 2011

Current List of all approved species of viruses:

<https://talk.ictvonline.org/taxonomy/>



### [The Plant Pathology Internet Guide Book](http://www.pk.uni-bonn.de/ppigb/ppigb.htm)

by Thorsten Kraska. A subject oriented Internet resource guide for Phytopathology, Applied Entomology and related fields.

<http://www.pk.uni-bonn.de/ppigb/ppigb.htm>



### [APSnet - The American Phytopathological Society.](http://www.apsnet.org/)

A wide range of information on plant pathology, courtesy of the APS.

<http://www.apsnet.org/>

## Internet Sources:



**ICTVdB Index of Viruses**

Copyright 2002 - International Committee on Taxonomy of Viruses - All rights reserved.

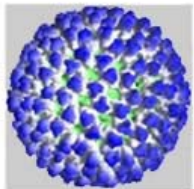
<http://www.ictvonline.org/virustaxonomy.asp>-- lists all the approved species of viruses and viroids



<http://viralzone.expasy.org/>



A compendium of Web sites dealing with virology,  
<http://www.virology.net/>



THE INSTITUTE  
FOR MOLECULAR VIROLOGY  
VIROLOGY NEWS AND LINKS ◀ HOME

A compendium of Web sites dealing with virology,  
<http://virology.wisc.edu/IMV/links.html>

University and State and Federal Extension  
Publications:

Not always reliability and/or accurate (must verify with reputable sources)

Examples from Florida:

Solutions for Your Life  
Publications

Departmental Newsletter,  
Plant Pathology Fact sheets & Circulars,  
Plant Protection Pointers,  
Plant Disease Vegetable,  
Management Guide 2004,  
EDIS