

# Biological Control of Greenhouse Diseases

A 1-day workshop for growers  
of vegetables and ornamentals

Organised by

CropHealth Advising & Research  
Rural P.O. Box 28098  
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## PROGRAM

Saturday April 19, 2008

Ramada Lodge Conference Center, Kelowna

Highway 97 (near Orchard Park Shopping Center)

8:00 to 8:30 am Registration and refreshments

8:35 to 9:30 Ron Howard, Brooks AB *Recognition of common greenhouse diseases*

9:30 to 10:00 Janice Elmhirst, Abbotsford BC *Biological control of leaf-infecting fungi*

10:00 to 10:30 Refreshment break

10:30 to 11:30 Zamir Punja, Burnaby BC *Biological control of root-infecting fungi*

11:30 to 12:00 Louise Nelson, Kelowna BC *Plant-growth promoting soil rhizobacteria*

12:00 to 1:00 pm Lunch (provided)

1:00 to 2:00 Speakers from the morning *Panel discussion (questions and answers)*

2:00 to 2:30 Refreshment break

2:30 to 3:00 Melanie Jones, Kelowna BC *Mycorrhizal fungi: an introduction*

3:00 to 3:45 Carolyn Scagel, Corvallis Oregon *Mycorrhizal fungi in greenhouse propagation*

3:45 to 4:30 Deborah Henderson, Langley BC *Cuban experience with microbial pest control*

4:30 End of workshop



## MORNING PRESENTERS

### Ron Howard, PhD

Plant pathology research scientist,  
Alberta Agriculture & Food  
Co-editor, "Diseases and Pests  
of Vegetable Crops in Canada"



#### About his talk:

Powdery mildew, Botrytis mold, damping off and root rot are common diseases of greenhouse crops around the world. We will review identification and cultural management.

### Janice Elmhirst, PhD

Owner, Elmhirst  
Diagnostics and Research



#### About her talk:

Results will be presented from a study of three biological fungicides on powdery mildew, Botrytis and Rhizoctonia. Some products performed better on specific diseases.

### Zamir K. Punja, PhD

Professor, Simon Fraser University  
Editor-in-Chief, Canadian  
Journal Plant Pathology



Steve Rose, Sujama Chatterton, Dr. Zamir Punja

#### About his talk:

Our research compared the products Mycostop, Rootshield and PreStop for control of common root rot pathogens in different crops, including cucumbers and tomatoes.

### Louise M. Nelson, PhD

Professor and Unit head,  
University of B.C. Okanagan



#### About her talk:

Our research identified bacteria that promote plant growth and suppress disease pathogens in field crops. We are now examining their efficacy against pathogens of tomatoes.

## DO NOT MISS THIS EVENT!

*Join us and other greenhouse growers as we hear university researchers and extension specialists review trial results and application methods. The focus will be on beneficial micro-organisms that promote healthy plants.*

## AFTERNOON PRESENTERS

### Melanie Jones, PhD

Professor and Associate dean,  
University of B.C. — Okanagan



#### About her talk:

Mycorrhizal fungi are beneficial root-inhabiting organisms that can increase nutrient and water uptake by plants and decrease disease susceptibility of plant roots.

### Carolyn Scagel, PhD

Research Root Physiologist,  
Agricultural Research Service,  
U.S. Department of Agriculture



#### About her talk:

Inoculum of mycorrhizal fungi is now commercially available. We will discuss reasons for successes and failures of these products in greenhouse production. This will include cultivar-specific responses, time of use, and cultural practices.

### Deborah Henderson, PhD

Director,  
Institute for Sustainable Horticulture  
at Kwantlen University College



#### About her talk:

Since the 1990's, Cuba has had to learn to feed its population with minimal petroleum inputs. Their remarkable success with biological control has earned them world recognition.

## Registration

	Per person	Total
<input type="checkbox"/> Before April 10	\$100	_____
<input type="checkbox"/> After April 10	\$120	_____
<input type="checkbox"/> Organic growers (with COABC) and university students	\$ 50	_____
	5% GST	_____
	Total	_____

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Name

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Mailing address

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City and Postal code

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Phone

Method of Payment  
(sorry, no credit card)

- Check or money order  
 Send an invoice

Send your registration

via regular mail  
CropHealth Advising & Research  
Rural P.O. Box 28098  
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or fax (250) 717-1898  
or email [office@crophealth.com](mailto:office@crophealth.com)

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