

**Colorado State University**  
**Bioagricultural Sciences & Pest Management**

Plant Science Building – Room C-129

Fort Collins, Colorado 80523-1177

Phone: 970-491-5261 Fax: 970-491-3862

Dr. Thomas Holtzer, Department Head, [Thomas.Holtzer@ColoState.edu](mailto:Thomas.Holtzer@ColoState.edu)

**Extension Specialist Profiles**

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**Beck, George**

[George.Beck@ColoState.edu](mailto:George.Beck@ColoState.edu)

(970) 491-7568

Weed Lab 116

66% Extension in Weed Science

- pasture/Range & non-crop noxious weed management; noxious weed impacts; noxious weed ecology
- involved in noxious weed legislation & policy development
- alfalfa extension education

**Key Words:** rangeland weed management, rangeland weed ecology, noxious weeds, non-crop weeds, invasive weeds

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**Cranshaw, Whitney**

[Whitney.Cranshaw@ColoState.edu](mailto:Whitney.Cranshaw@ColoState.edu)

(970) 491-6781

C-201 Plant Science

50% Extension in Entomology

- Insect and mite pests of vegetables
- Insects and mites of trees, shrubs & ornamentals
- Insect management of organic crops
- Household insects
- Insect identification
- 4-H entomology

**Key Words:** vegetables, shade trees, shrubs, turfgrass, flowers, onion thrips, potato/tomato psyllid, flea beetles, organic pest management, IPM, household insects, biological control, chemical control, 4-H

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**Jacobi, Bill**

[William.Jacobi@ColoState.edu](mailto:William.Jacobi@ColoState.edu)

(970) 491-6927

C202 Plant Science

10% Extension in Forest & Shade Tree Health

- Spatial occurrence of forest diseases, insects and relationship to environmental factors
- Environmental effects on trees and related diseases and insects
- Tree pathology research, teaching and extension
- Interactions of insects and plant pathogens
- Exotic pathogen and insect management

**Key Words:** root diseases, cankers, MgCl<sub>2</sub>, white pine blister rust, exotic insects and diseases, meteorological conditions, shade trees, forests

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**Nissen, Scott**

[Scott.Nissen@ColoState.edu](mailto:Scott.Nissen@ColoState.edu)

(970) 491-3489

Weed Lab 115

38% Extension in Weed Science

- weed control, herbicide injury in dry beans, onions, potatoes, and sugarbeets
- weed seedling identification

**Key Words:** weed control in dry bean, onion, potato and sugarbeet; herbicide behavior in plant

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## Peairs, Frank

(970) 491-5945

[Frank.Peairs@ColoState.edu](mailto:Frank.Peairs@ColoState.edu)

102 Insectary

58% Extension in Entomology

- insect and mite pests of field crops
- grasshoppers in pasture/range
- Russian wheat aphid
- brown wheat mite
- wheat stem sawfly
- corn spider mites

**Key Words:** alfalfa, barley, corn, dry bean, millet, sorghum, sunflower, wheat, alfalfa weevil, blister beetles, Banks grass mite, brown wheat mite, European corn borer, western bean cutworm, corn rootworm, Russian wheat aphid, wheat stem sawfly, IPM, insect resistant crops, household insects, grasshoppers, dryland cropping systems.

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## Schwartz, Howard

(970) 491-6987

[Howard.Schwartz@ColoState.edu](mailto:Howard.Schwartz@ColoState.edu)

C-205 Plant Science

50% Extension in Plant Pathology

- fungal/bacterial/viral diseases & disease forecasting in dry beans and onions
- western node coordinator for Bugwood digital imaging resources
- National coordinator for ipmPIPE projects with legumes and onions

**Key Words:** dry bean; onion; rust & white mold of dry bean; *Iris yellow spot virus* & thrips of onion; disease forecasting; IPM; technology transfer; pest survey and monitoring

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## Tisserat, Ned

(970) 491-6527

[Ned.Tisserat@ColoState.edu](mailto:Ned.Tisserat@ColoState.edu)

C-137 Plant Science

50% Extension in Plant Pathology

- Plant Disease Diagnostic Clinic Coordinator
- Great Plains Diagnostic Network Coordinator
- Turf and Ornamental Pathology

**Key Words:** turf; ornamental; disease diagnosis; IPM

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## Walker, Thia

(970) 491-6027

[Thia.Walker@ColoState.edu](mailto:Thia.Walker@ColoState.edu)

C-213 Plant Science

[cepep@ColoState.edu](mailto:cepep@ColoState.edu)

100% Extension

- program coordinator for extension & environmental pesticide education
- pesticide safety
- pesticide use in Colorado
- pesticide guides

**Key Words:** Pesticide Safety Education Program (PSEC), Worker Safety Protection, Minor Use Pesticides, Certified Crop Advisor (CCA), pest management

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## Westra, Philip

(970) 491-5219

[Philip.Westra@ColoState.edu](mailto:Philip.Westra@ColoState.edu)

Weed Lab 112

50% Extension in Weed Science

- weed management in corn, millet, barley, wheat, sorghum, sunflower
- herbicide injury of corn, barley, wheat, sorghum, sunflower
- bioeconomic modeling of weeds in corn
- field bindweed & Canada thistle control in row crops
- herbicide resistant weeds

**Key Words:** weed management, herbicide injury, field bindweed, Canada thistle, GPS, herbicide resistant weeds, bioeconomic modeling

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## Young, Deborah

(970) 491-1377

[Deborah.Young@ColoState.edu](mailto:Deborah.Young@ColoState.edu)

C-209 Plant Science

51% Extension in IPM

- IPM In schools
- Center for Sustainable IPM

**Key Words:** IPM, schools, housing, communities, K-12 students, pesticide, environmental health, pest mgmt

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## Key Words and Extension Specialist Expertise

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Alfalfa insects .....	Frank Peairs	Mites (corn & wheat) .....	Frank Peairs
Aphids .....	Frank Peairs	Non-crop weeds .....	George Beck
Barley insects .....	Frank Peairs	Noxious weeds.....	George Beck
Bioeconomic modeling.....	Philip Westra	Onion diseases .....	Howard Schwartz
Biological control.....	Frank Peairs	Onion insects .....	Whitney Cranshaw
Biological control of insects .....	Whitney Cranshaw	Onion weeds .....	Scott Nissen
Bugs in house .....	Cranshaw, Peairs	Ornamental diseases.....	Ned Tisserat
Canada thistle .....	Philip Westra	Ornamental Insects .....	Whitney Cranshaw
Certified Crop Advisor (CCA).....	Thia Walker	Pesticide Applicator Training .....	Thia Walker
Corn diseases .....	Ned Tisserat	Pesticide Impact Assessment.....	Thia Walker
Corn insects (e.g., rootworm) .....	Frank Peairs	Plant health diagnostics .....	Ned Tisserat
Corn weeds .....	Phil Westra	Pollinator protection insects .....	Thia Walker
Digital Image Resources .....	Howard Schwartz	Potato diseases .....	Howard Schwartz
Disease forecasting (COAGMET).....	Howard Schwartz	Potato insects .....	Whitney Cranshaw
Dry bean diseases.....	Howard Schwartz	Potato weeds .....	Scott Nissen
Dry bean insects.....	Frank Peairs	Rangeland weed ecology/mgmt.....	George Beck
Dry bean weeds.....	Scott Nissen	Resistant crops - insects.....	Frank Peairs
Dryland cropping systems.....	Frank Peairs	Russian wheat aphid.....	Frank Peairs
European corn borer.....	Frank Peairs	Sugarbeet weeds.....	Scott Nissen
Field bindweed .....	Philip Westra	Forest & shade tree diseases .....	Bill Jacobi
GPS/GIS - weeds.....	Philip Westra	School & Community IPM.....	Deb Young
GPS/GIS – diseases .....	Howard Schwartz	Sunflower insects.....	Frank Peairs
Grasshoppers.....	Cranshaw, Peairs	Urban (turf) plant diseases .....	Ned Tisserat
Herbicide behavior in plants .....	Scott Nissen	Urban insects.....	Whitney Cranshaw
Herbicide injury.....	Philip Westra	Vegetable diseases .....	Howard Schwartz
Herbicide resistant weeds .....	Philip Westra	Vegetable insects.....	Whitney Cranshaw
Insect identification .....	Whitney Cranshaw	Vegetable weeds.....	Scott Nissen
Insecticides.....	Cranshaw, Peairs	Weed management .....	Philip Westra
International agriculture.....	All Specialists	Western bean cutworm.....	Frank Peairs
Invasive weeds.....	George Beck	Wheat diseases .....	Ned Tisserat
IPM .....	All Specialists	Wheat insects.....	Frank Peairs
IR-4 .....	Ned Tisserat	Wheat weeds.....	Phil Westra
Minor Use Pesticides.....	Scott Nissen	Worker safety protection.....	Thia Walker