

2015 Western Region IR-4 Ornamental Research Interests

Entomology

All Ornamental Crops

Spider mite in All Ornamental Crops	B	Uber, Buzz	CA
Western flower thrips (outdoor) in All Ornamental Crops	A	Uber, Buzz	CA

Conifers

Adelgid in Nordmann Fir	B	Chastagner, Gary	WA
Aphids and other soft-bodied insects in Conifers	A	DeFrancesco, Joe	OR, WA
Snails and slugs in Christmas trees	B	Chastagner, Gary	WA

Cut Flowers

Lygus bug in Gerbera	C	Ohmart, Cliff	CA
----------------------	---	---------------	----

Perennial Ornamental Crops

Mealybug - longtailed and citrus in Perennial Ornamental Crops	B	Uber, Buzz	CA
--	---	------------	----

Woody Ornamentals

Azalea Lace Bug (<i>Stephanitis pyrioides</i>) in <i>Rhododendron</i> sp.	C	DeFrancesco, Joe	HI, OR
Ficus gall wasp in Indian Laurel (<i>Ficus nitida</i>)	A	Uber, Buzz	CA
Leaf roller in <i>Malus</i> sp.	B	Kowalski, Judy	OR
Lygus bug in Red Maple (<i>Acer rubrum</i>)	B	Kowalski, Judy	OR
Woolly Apple Aphid (<i>Eriosoma lanigerum</i>) in <i>Malus</i> sp.	C	DeFrancesco, Joe	OR

Plant Pathology

Annual and Perennial Ornamentals

Powdery mildew in <i>Ranunculus</i> sp. and <i>Aster</i> sp.	B	Uber, Buzz	CA
--	---	------------	----

Conifers

Botrytis in True Firs and Western Hemlock	A	Khadduri, Nabil	WA
Botrytis foliar and shoot disease in <i>Abies</i> sp.	A	Chastagner, Gary	WA
Damping off and root rot in Douglas Fir seedlings	A	Chastagner, Gary	WA
Needle cast disease in Noble Fir christmas trees and bough production stands	A	Chastagner, Gary	OR, WA
Pathogens controlled by methyl bromide in Conifers	A	Khadduri, Nabil	OR, WA

Cut Flowers

Botrytis in Cut Flower Bulb Crops	A	Chastagner, Gary	WA
Fusarium basal rot in Cut Flower bulb crops	A	Chastagner, Gary	WA
Powdery mildew in Cut flowers	B	Ohmart, Cliff	CA
Rust in Snapdragons and others	A	Chastagner, Gary	OR, WA

Woody Ornamentals

Anthraxnose in <i>Euonymus</i> sp.	B	Uber, Buzz	CA
Fusarium in Honeylocust (<i>Gleditsia triacanthos</i>) and <i>Robinia</i> sp.	B	DeFrancesco, Joe	OR
Phytophthora <i>syringae</i> in <i>Zelkova</i> sp. and rosaceae plants	B	DeFrancesco, Joe	OR
Rust in <i>Myrtus</i> sp.	B	Uber, Buzz	CA

Weed Science

All Ornamental Crops

Weeds in All Ornamental Crops (Container Grown)	B	Uber, Buzz	CA
Weeds in All Ornamental Crops (Field Grown)	A	Khadduri, Nabil	CA, OR, WA
Yellow Nutsedge (<i>Cyperus esculentes</i>) in All Ornamental Crops	B	Uber, Buzz	CA

All Ornamental Plants

Weeds (Post-Emergent Control) in Field and Container Grown Ornamentals	A	Wilén, Cheryl	CA, OR, WA
Weeds (Pre-Emergent Control) in Field and Container Grown Ornamentals	A	Wilén, Cheryl	CA, OR, WA

Conifers

Black cottonwood in Douglas Fir	A	Khadduri, Nabil	WA
Chickweed (<i>Stellaria media</i>) and other caryophyllaceae weeds in Douglas Fir	C	Khadduri, Nabil	WA
Weeds in Conifers (Field Grown)	A	Khadduri, Nabil	CA, OR, WA

Container Grown Ornamentals

Weeds in Herbaceous Perennials	A	Klett, James	CO
--------------------------------	---	--------------	----

Cut Flowers

Weeds in Cut flowers	A	Wilén, Cheryl	CA
----------------------	---	---------------	----

Drought-tolerant Ornamentals

Weeds in CA native plants and others	A	Wilén, Cheryl	CA
--------------------------------------	---	---------------	----

Nursery Grown Ornamentals

Fleabane (<i>Conyza</i> sp.) in Nursery Grown Ornamentals	A	Wilén, Cheryl	CA
---	---	---------------	----

Woody Ornamentals

Smartweed (<i>Polygonum</i> sp.) in Woody Ornamentals	B	DeFrancesco, Joe	OR
--	---	------------------	----

Priority Key:

A = high priority, important for the west to propose at the national ornamental workshop

B = medium priority, important but not dire to start in the next research cycle

C = a need, but not ready for research or not a good fit with the ornamental program mission