

New Fungicides for Ornamentals

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Mural
Fungicide

A broad spectrum fungicide for prevention and control of leaf diseases in ornamental crops grown in greenhouses, shade-houses, lath-houses, outdoor nurseries, retail nurseries, commercial landscapes and vegetable transplants grown for resale to consumers.

1 pound
Net Weight

MURAL FUNGICIDE

Syngenta has launched. It is a combination of azoxystrobin (the ai in Heritage, FRAC 11) and a new carboxamide-solatenol (same FRAC group as boscalid, FRAC 7). It is expected to have very broad labeling across ornamentals, cucurbits, fruiting vegetable and sand tomatoes.

Diseases covered will include conifer blight, flower blights, leaf blights leaf spots, powdery mildew, rusts, shoot and stem diseases and soil-borne diseases. It will have both foliar and drench applications. Labeling for application sites will include bench, flat, plug, liner, bed-grown or field-grown ornamentals in greenhouses, shade-houses, lath houses, outdoor nurseries and even retail nurseries. It is also being labeled for vegetable transplants grown for resale to consumers as well as commercial and residential landscapes.



Mural Summary

Pathogen	plant	result
Alternaria	zinnia	very good
Botrytis cinerea	geranium, vinca	excellent, good-vgood
Botrytis elliptica	lily	very good
Coleosporium	plumeria, vinca	excellent, very good-excellent
Colletotrichum	dieffenbachia, sansevieria, impatiens	good, good, excellent
Cylindrocladium	boxwood, spathiphyllum	very good, very good
Myrothecium	spathiphyllum	excellent
Peronospora	rose	very good
Phytophthora	gerbera daisy	very good
Podospaera	petunia, verbena	excellent, excellent
Puccinia	snapdragon	excellent
Sclerotinia	zinnia, geranium	some, very good



ORKESTRA FUNGICIDE

BASF will launch a new fungicide in late quarter 3 2016. It has a signal word of **WARNING**. It is a combination of pyraclostrobin (FRAC 11) and fluxapyroxad (FRAC 7). Orkestra has a very broad-spectrum. Use Sites

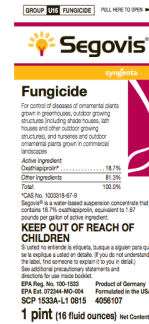
- Greenhouses, lathouses, and shadehouses
- Outdoor nurseries (including container, bench, flat, plug, bed-grown or field-grown ornamentals)
- Forest and conifer nurseries, and plantations
- Retail nurseries
- Ornamentals found in interiorscapes, golf courses, recreational landscapes, and residential and commercial landscapes

The REI 12 hours

Orkestra Summary

Pathogen (disease)	plant	result
Alternaria spp.	coneflower, impatiens	exc
Botrytis cinerea	geranium	vgood
Botrytis elliptica	Lilium	exc
Botrytis tulipae	tulip	exc, exc
Cercospora	ligustrum, Mollucella	exc, vge
Colletotrichum (anthracnose)	dieffenbachia, impatiens, sansevieria	exc
Golovinomyces (powdery mildew)	zinnia	exc, exc
Microspheara (powdery mildew)	lilac	exc
Helminthosporium	Calathea	some
Myrothecium	dieffenbachia, spathiphyllum	vgood
Peronospora (downy mildew)	rose, coleus	exc
Plasmopara (downy mildew)	impatiens	exc
Puccinia (rust)	plumeria, switchgrass	exc

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SEGOVIS FUNGICIDE

Syngenta has launched a new fungicide containing a new ai in a new FRAC grouping - U5. The active ingredient is oxadiapiprolin. Segovis is effective on Phytophthora and downy mildew disease. It is registered for ornamentals grown in greenhouses (including shade houses, lathe houses and other outdoor growing structures). It also registered for use in nurseries and outdoor ornamentals grown in landscapes.

The REI 4 hours. Since it is in a new FRAC group it is expected to be a good rotational partner for other downy mildew or Phytophthora fungicides. It can be applied as a spray or drench.

Segovis Summary

Pathogen	plant	result
Phytophthora capsici	watermelon	very good
Phytophthora cryptogea	gerbera daisy gerbera daisy	very good very good-excellent
Phytophthora nicotianae	vinca	very good to excellent
Phytophthora tropicalis	Hedera	excellent
Hyaloperonospora parasitica	kale	good-excellent
Peronospora behlbarii	basil (4 trials)	excellent at highest rate, very good, good, excellent
Plasmopara obducens	impatiens (2 trials)	excellent, excellent

What is special about Triathlon BA?

- **MOA unknown - complex** - lipoproteins that destroy cell membranes, colonization of leaf and root spaces crowing out the pathogens and SAR.
- **Broad-spectrum** - Botrytis, root rot (like Fusarium and Pythium), bacteria, and powdery mildew especially.
- **REI 4 hr**
- **Organic**
- Indoor and outdoor use on ornamentals, vegetables, herbs, fruit trees, shrubs and foliage in nurseries, greenhouse and shade houses.
- **Triathlon BA** works as well in both standard and organic production.

Triathlon BA Summary

Disease target	plants	results
alternaria	tomato, cabbage, collards, cole crops	some, none, good, none, none
blue mold	tobacco	some
botrytis	grape, tomato, blueberry	excellent, good, very good, good
downy mildew	grape	some
fireblight	apple	none, good
fusarium	New Guinea impatiens	some-good
monilinia	blueberry	excellent, excellent
phomopsis	strawberry	excellent
powdery mildew	squash, grape	some, very good
pseudomonas	lilac	good
rhizoctonia	bean, cotton	none, good, very good, very good
rust	quince, cedar apple	excellent, none, none
xanthomonas	cabbage, tomato, citrus, ficus, strawberry	excellent, very good, very good, good, excellent



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....There is always
 a practical solution