


2016 Guide to Ornamental Fungicides

The information presented is the result of research trials published in the US (many by Chase Agricultural Consulting, LLC). The product label will dictate specific instructions on use and rates for all applications. The label presents what is required by law.

FOLIAR DISEASES

| Product | FRAC Code | REI hours | Alternaria | Bacteria | Black Spot | Bipolaris Drechslera | Botryosphaeria | Botrytis | Cercospora | Colletotrichum | Coniothyrium | Corynespora | Cylindrocladium (leaf spot) | Downy Mildew | Entomosporium | Gliocladium (stem rot) | Myrothecium | Phyllosticta | Phytophthora (aerial blight leaf spot) | Powdery Mildew | Rhizoctonia | Rust | Scab (Sphaceloma) |
|--|-----------|-----------|------------|------------|------------|----------------------|----------------|------------|------------|----------------|--------------|-------------|-----------------------------|--------------|---------------|------------------------|-------------|--------------|--|----------------|-------------|------------|-------------------|
| 26/36® Fungicide | 1 and 2 | 12 | | | | | | some/exc | vgood | good | | | | | | | | | | | excellent | | |
| Actinovate® | nc | 1 | none | none/some | | | | none | | none/some | | | some | none/some | | | | | | none/some | | none/some | |
| Adorn® | 43 | 12 | | | | | | | | | | | | vgood/exc | | | | | vgood/exc | | | | |
| Affirm™ WDG | 19 | 4 | | | | | | some | | | | | excellent | | | | | | | | | | |
| Aliette® WDG | 33 | 12 | none | fair | | | | some | | | | | | excellent | | | | | vgood/exc | poor/some | | | |
| Alude™ | 33 | 4 | | poor | | | | | | | | | | excellent | | | | | vgood/exc | vgood | | | |
| Banner Maxx® | 3 | 12 | fair/vgood | | some | | good/vgood | | good/vgood | some/good | | none/good | | | vgood/exc | | good | some/good | | vgood/exc | | good/exc | |
| Camelot® O | M1 | 4 | good | good | | | | none/fair | | good | | vgood | some | poor/vgood | | | | | poor/good | poor/vgood | | poor/good | vgood/exc |
| Cease® | nc | 4 | none/poor | good | poor | | | some | vgood | none/good | | none | none | some/good | | | | | | good/vgood | | | |
| Cleary 3336®, OHP-6672® | 1 | 12 | none/poor | | some | | | poor/some | some/exc | some/good | | | good/exc | | some/vgood | | some/vgood | none | none | poor/vgood | good/exc | vgood/exc | vgood |
| Compass® O 50WDG | 11 | 12 | good/exc | | good | | | vgood | some/exc | none | vgood | | vgood/exc | good/vgood | some/good | vgood/exc | some/good | none | none/vgood | vgood/exc | good | fair/exc | excellent |
| Concert® II | 3 and M5 | 12 | | | good | | | some/good | excellent | vgood | | vgood | excellent | | | | | | | excellent | | good | |
| CuPRO™ 5000/Kocide® TNO | M1 | 48 | | good | | | | fair | some | | | | some | poor/vgood | | | | | | | some | none | |
| Daconil Ultrex®, Daconil Weather Stik® | M5 | 12 | vgood/exc | | vgood/exc | vgood/exc | | vgood/exc | vgood/exc | some/exc | vgood | | | some | vgood/exc | good/vgood | vgood/exc | good | none/vgood | | excellent | some | |
| Decree® 50WDG | 17 | 12 | fair | | | | | vgood/exc | | | | | fair | none | | | | | | fair/vgood | | fair/good | |
| Disarm® O | 11 | 12 | excellent | | | | | none/some | vgood/exc | vgood/exc | | | vgood | | | | | vgood/exc | | none | | | |
| Dithane® Rainshield® 75DF | M3 | 24 | good/vgood | none/vgood | | vgood/exc | | good/exc | | vgood | | | | good/vgood | | | | | | some | poor/fair | vgood/exc | |
| Eagle® 20EW | 3 | 24 | good/exc | | vgood/exc | | | | vgood/exc | none/vgood | | | | | vgood/exc | | some/good | vgood/exc | | vgood/exc | | vgood/exc | vgood/exc |
| FenStop® | 11 | 12 | | | | | | | | | | | | vgood/exc | | | | | | vgood/exc | | | |
| Fosphite® | 33 | 4 | none | | | | | | | | | | | good | | | | | | vgood/exc | some/vgood | | |
| Heritage® | 11 | 4 | vgood/exc | | | vgood/exc | good/vgood | fair/good | vgood/exc | none/vgood | some | vgood/exc | vgood | vgood/exc | vgood | good/exc | vgood/exc | none/good | vgood | vgood/exc | vgood/exc | excellent | vgood/exc |
| Junction® | M1 and M3 | 24 | good | good | | | | fair | | | | | | none/vgood | | | | none | | fair/vgood | | good | vgood |
| KleenGrow™ | nc | 48 | vgood | vgood | | | | some | vgood/exc | none | | | some | some | | | | | | some/vgood | | | |
| Medallion® WDG | 12 | 12 | excellent | | none | vgood/exc | good/vgood | vgood/exc | some/exc | none/good | good | | vgood/exc | none | none | vgood/exc | vgood/exc | some/vgood | none | none | | | |
| Micora® | 40 | 4 | | | | | | | | | | | | vgood/exc | | | | | | vgood/exc | | | |
| MilStop® | nc | 1 | | none | none | | | some/vgood | | | | none | | none/exc | none | | | | | vgood/exc | | some/vgood | some |
| Mural™ | 7 and 11 | 12 | vgood | | | good/exc | | good/exc | | excellent | | vgood/exc | some/exc | good | | | | excellent | vgood/exc | | excellent | good/exc | |
| OHP® Chipco® 26019 N/G | 2 | 12 | vgood/exc | | | some | good | excellent | some | none/some | good | | good/vgood | | | good | vgood | | | | | | |
| Orvego® | 40 and 45 | 12 | | | | | | | | | | | | vgood/exc | | | | | | | | | |
| Pageant® Intrinsic® | 7 and 11 | 12 | vgood/exc | | good/vgood | good/vgood | vgood/exc | vgood/exc | vgood | vgood/exc | good/exc | | vgood/exc | vgood/exc | good/exc | | some/exc | excellent | | vgood/exc | vgood/exc | good/exc | |

nc = not classified, U = unknown, Organic = 

Syngenta Solutions for Common Ornamental Diseases

*Banner Maxx and Concert II are outdoor use only. Products in **BOLD** are recent additions to the Syngenta portfolio.



Rust
Banner Maxx®
Concert II*
Daconil
Heritage
Mural



Anthracnose
Concert II*
Daconil
Medallion WDG
Mural
Palladium



Downy Mildew
Heritage
Micora
Mural
Segovis
Subdue Maxx



Fusarium wilt
Heritage
Mural
Medallion WDG



Phytophthora crown rot
Micora
Mural
Segovis
Subdue Maxx



Powdery Mildew
Banner Maxx®
Concert II*
Daconil
Heritage
Mural
Palladium



Pythium root rot
Mural
Subdue Maxx



Rhizoctonia root rot
Heritage
Mural
Medallion WDG

FOLIAR DISEASES (continued)

| Product | FRAC Code | REI hours | Alternaria | Bacteria | Black Spot | Bipolaris Drechslera | Botryosphaeria | Botrytis | Cercospora | Colletotrichum | Coniothyrium | Corynespora | Cylindrocladium (leaf spot) | Downy Mildew | Entomosporium | Gliocladium (stem rot) | Myrothecium | Phyllosticta | Phytophthora (aerial blight leaf spot) | Powdery Mildew | Rhizoctonia | Rust | Scab (Sphaceloma) |
|-------------------------------|-----------|-----------|------------|-----------|------------|----------------------|----------------|------------|------------|----------------|--------------|-------------|-----------------------------|--------------|---------------|------------------------|-------------|--------------|--|----------------|-------------|------------|-------------------|
| Palladium® | 9 and 12 | 12 | vgood/exc | | | | | vgood | good | some/exc | | some | good/exc | | poor | | vgood/exc | | | good | excellent | none | |
| Phyton® 27, Phyton® 35 | M1 | 48 | fair/exc | vgood/exc | | | | poor/good | some/exc | vgood/exc | some | | poor/good | vgood | none/some | none | none/vgood | | | good/exc | | poor/vgood | fair/exc |
| Protect™ DF | M3 | 24 | good/vgood | | | | | vgood | vgood/exc | some | | | | fair/good | | none | | | | good/vgood | | vgood/exc | excellent |
| Regalia® | P5 | 4 | poor | none/some | none | | | poor | some/good | | | | | none/good | | | | | | some/vgood | | | |
| RootShield®, RootShield® Plus | 44 and nc | 4 | none | | | | | | | | | | some/vgood | poor/fair | | fair | none/vgood | | | fair | | fair/vgood | |
| Segovis® | U 15 | 4 | | | | | | | | | | | | good/exc | | | | | | | | | |
| Segway® 0 | 21 | 12 | | | | | | | | | | | | excellent | | | | | | vgood/exc | | | |
| Spectro® 90WDG | 1 and M5 | 12 | vgood | | | | | poor/good | | excellent | | | excellent | none | good/exc | fair | none | vgood/exc | vgood | | | vgood | vgood/exc |
| Stature® SC | 40 | 12 | | | | | | | | | | | | excellent | | | | | | vgood/exc | | | |
| Strike® Plus | 3 and 11 | 12 | vgood/exc | | | | | | | excellent | | | | | | | | some/exc | | excellent | fair | vgood/exc | |
| Subdue Maxx® | 4 | 0 to 48 | | | | | | | | | | | | excellent | | | | | | vgood/exc | | | |
| Terraguard® 50W | 3 | 12 | good/exc | | none | vgood/exc | | none/vgood | vgood | none/vgood | | | good/vgood | | | some | vgood | none | | vgood/exc | fair/vgood | good/exc | vgood/exc |
| Torque™ | 3 | 12 | | | vgood | | good | | | good | | | vgood/exc | | | | | | | | | | |
| Tourney® | 3 | 12 | | | none | | | | vgood/exc | none/vgood | | | | | | | | | | excellent | | | |
| Triact® 70 | nc | 4 | | | none | | | fair/good | | some/good | | | poor | poor/fair | | | | | | vgood/exc | | vgood/exc | |
| Triathlon® BA | 44 | 4 | none/good | vgood/exc | | | | good/exc | | | | | | | | | | | | | | none/exc | |
| Trinity® | 3 | 12 | vgood/exc | | good | | | good | | some/good | | | some/vgood | | | | vgood | | | excellent | | excellent | |

CROWN AND ROOT DISEASES

| Product | FRAC Code | REI hours | Cylindrocladium (crown & root rot) | Fusarium (crown & root rot, wilt) | Phytophthora (root rot) | Pythium (root rot) | Rhizoctonia (crown & root rot) | Sclerotinia (crown rot) | Sclerotium (Southern blight) | Thielaviopsis (black root rot) |
|-------------------------|-----------|-----------|------------------------------------|-----------------------------------|-------------------------|--------------------|--------------------------------|-------------------------|------------------------------|--------------------------------|
| 26/36® Fungicide | 1 and 2 | 12 | | | | | excellent | | | |
| Actinovate® | nc | 1 | some | none/good | none/vgood | none/vgood | none | some | none/some | none |
| Adorn® | 43 | 12 | | | vgood/exc | none/some | | | | |
| Affirm™ WDG | 19 | 4 | excellent | | | | | | | vgood/exc |
| Aliette® WDG | 33 | 12 | | none | vgood/exc | none/exc | | | | |
| Alude™ | 33 | 4 | | none | vgood/exc | none/exc | | | | |
| Cease® | nc | 4 | none | poor | some | some | none | | | |
| Cleary 3336®, OHP-6672® | 1 | 12 | good/exc | some/good | none | none | good/exc | | | vgood/exc |
| Compass® 0 50WDG | 11 | 12 | vgood/exc | some/good | none/vgood | poor/good | good | | | none |
| Disarm® 0 | 11 | 12 | vgood | poor | | vgood | vgood/exc | | | none |
| Eagle® 20EW, Hoist™ | 3 | 24 | | | | | vgood | | | none |
| Empress® Intrinsic® | 11 | 12 | | excellent | good/exc | good/exc | excellent | | | |
| FenStop® | 11 | 12 | | | vgood/exc | vgood | | | | |
| Fosphite® | 33 | 4 | | none/vgood | vgood/exc | vgood/exc | | | | |
| Heritage® | 11 | 4 | vgood | good/vgood | vgood | some/vgood | vgood/exc | | good/exc | none |
| KleenGrow™ | nc | 48 | some | good | none | none | none | | | none |
| Medallion® WDG | 12 | 12 | vgood/exc | good/exc | none | none | excellent | | | none/vgood |
| Micora® | 40 | 4 | | | vgood/exc | | | | | |

nc = not classified, U = unknown, Organic =

Contact your local Syngenta territory manager or visit www.GreenCastOnline.com/Ornamentals to learn more.



Created by Chase Agricultural Consulting, LLC and Syngenta.



CROWN AND ROOT DISEASES (continued)

| Product | FRAC Code | REI hours | Cylindrocladium (crown & root rot) | Fusarium (crown & root rot, wilt) | Phytophthora (root rot) | Pythium (root rot) | Rhizoctonia (crown & root rot) | Sclerotinia (crown rot) | Sclerotium (Southern blight) | Thielaviopsis (black root rot) |
|-------------------------------|-----------|-----------|------------------------------------|-----------------------------------|-------------------------|--------------------|--------------------------------|-------------------------|------------------------------|--------------------------------|
| Mural™ | 7 and 11 | 12 | vgood | | vgood/exc | | | good/exc | | |
| OHP® Chipco® 26019 N/G | 2 | 12 | good/vgood | vgood | | | good/exc | | | |
| Orvego® | 40 and 45 | 12 | | | vgood/exc | | | | | |
| Pageant® Intrinsic® | 7 and 11 | 12 | vgood/exc | some/good | none/vgood | none/good | vgood/exc | vgood/exc | vgood/exc | none |
| Phyton® 27, Phyton® 35 | M1 | 48 | poor/good | none/vgood | poor/vgood | fair/vgood | poor/good | | | none |
| Regalia® | P5 | 4 | | | none | | | | none | |
| RootShield®, RootShield® Plus | 44 and nc | 4 | some/vgood | none/vgood | poor/good | poor/vgood | some/exc | | | none |
| Segovis® | U 15 | 4 | | | vgood/exc | vgood | | | | |
| Segway® 0 | 21 | 12 | | | vgood/exc | vgood/exc | | | | |
| Spectro® 90WDG | 1 and M5 | 12 | excellent | none | vgood | excellent | | | | |
| Stature® SC | 40 | 12 | | | vgood/exc | none | | | | |
| Subdue Maxx® | 4 | 0 to 48 | | | good/exc | vgood/exc | | | | |
| Terraclor® 75WP | 14 | 12 | | | | | good/exc | | good | none |
| Terraguard® 50W | 3 | 12 | good/vgood | good | | none | fair/vgood | | good | some/good |
| Terrazole®, Truban® | 14 | 12 | | | good/exc | vgood/exc | | | | |
| Tourney® | 3 | 12 | | | | | vgood/exc | | | |

The codes used in the chart denote the most typical reaction obtained in the many trials summarized under each pathogen for each product. For instance "excellent" shows consistently excellent results across multiple crops for that pathogen. When multiple rankings are shown, such as "vgood/exc", it indicates that results ranged from very good (vgood) to excellent (exc) depending on exact crop and species of pathogen. Thus a notation of poor/good shows a very wide range of reactions.

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