

OHP, Inc.

Jeff Dobbs

Director of Technical Service

Roswell, GA



OHP, Inc. formerly Olympic Horticultural Products

- Privately owned company
- OHP Inc, is the only company exclusively addressing the production ornamental markets.
- Most product chemistries in our portfolio are “subregistrations”.
- For the most part, our partners depend on us take “their labels” as they would and
 - support and expand these label claims;
 - to steward their use in our market;
 - make recommendations to expand or delete concerns;
 - adjust rates and use areas, etc.



OHP partners

- Since the late 1980's Olympic, now OHP has partnered with Bayer to market their chemistries to the “production ornamental market”.
- Bayer has focused on Turf and landscape ornamentals.



Bayer Products

- FUNGICIDES

- Aliette WDG
- Compass O
- FenStop
- OHP Chipco 26019
- OHP 26 GT-O
- Strike 50

- INSECTICIDES

- Decathlon 20 WP
- Discus Nursery Insecticide
- Judo Miticide/Insecticide
- Marathon 1 G, 60 WSP, II flowable



OHP partners

- OHP has partnered with BASF on products that include:
 - Cycocel PGR
 - PYLON Miticide/Insecticide



OHP partners

- OHP has partnered with Biosys, Thermo Trilogy now Certis LLC for products like:

Azatin XL

Triact 70 neem oil

Soilgard (Gliocladium virens GL-21)



OHP-partnering for solutions

- June of 07 OHP partnered with Chemtura
- Chemtura has turned over all production ornamental labels to OHP. These include:
 - Adept IGR
 - B-Nine WSG
 - Casoron 4G
 - Dimilin 25W, SC
 - Floramite SC
 - Paczol PGR
 - Pedestal IGR
 - Terraclor 75 WP (PCNB)
 - Terraguard SC
 - Terrazole 35 WP
 - Terrazole 35 CA



OHP partners

- Most recently OHP has agreed to work with Arysta Life Science with:
 - Polyoxin-d to be called Veranda 11.3%
 - Fluoxistrobin formulations
 - Acequinocyl or SHUTTLE 15 SC Miticide
 - Kasugamycin (hydrochloride) Or Kasumin
 - *Erwinia* spp., *Pseudomonas* spp., and *Xanthomonas* spp., as well as numerous fungal species.



Polyoxin-d

- Polyoxins are a family of chemicals produced by a specific bacterium naturally found in soils in Japan.
- The bacteria are grown commercially, and the polyoxins are then purified in the form of Polyoxin D Zinc Salt to provide longer stability on the plant.
- This active ingredient inhibits the action of an enzyme needed by the target fungi for making chitin, a component of the cell wall.
- Without chitin, susceptible fungi are unable to continue growing and infecting plant cells.
- It inhibits spore germination and mycelia growth



Polyoxin-d

- Polyoxin D is absorbed by leaves, and can move across to the other side of the leaf (translaminar movement).
- To my knowledge, it does not move upward or downward in plants, so polyoxin D is apparently a local penetrant only.
- Polyoxin D is a group 19 fungicide and considered a biopesticide
- Caution signal word and a toxicity class of IV



Veranda O WDG New formulation

- New formulation for use on ornamental
- Is Polyoxin D zinc salt at 11.3%
- REI 4 hr.
- WDG is preferred formulation
 - 4.5 times less product
 - More convenient application rates
 - 11-16.5 Lb/A with 2.5 WP: 2.4-3.7 Lb/A DF
 - Easier on equipment
 - Less visible residue
 - Key for ornamentals
- Regulatory Status- now registered.



Fluoxastrobin 480 SC

- Group 11 fungicide
- Active ingredient:
 - **Fluoxastrobin**.....40.3%
 - Inerts.....59.7%
 - This product contains 4 pounds of fluoxastrobin per gallon (480 g per liter)
- Label has just been updated to include Ornamentals.
 - For the control of foliar, stem and root diseases in turf and ornamentals for commercial production and in landscape areas around residential municipal and commercial properties, field grown ornamentals and ornamentals in greenhouses, interiorscapes and other enclosed structures



Fluoxastrobin 480 SC

- The active moves rapidly into green tissue via translaminar and xylem movement and is rainfast in as little as fifteen minutes after application.
- Roots of plants also take up the active ingredient where it is translocated throughout the xylem of the plant to provide internal inhibition of fungal growth and protect the plant from new infections.
- This again is a strobilurin class which exhibits cross resistance to other QoI fungicides, such as trifloxystrobin, azoxystrobin, kresoxim-methyl.
- Most effective when applied as a preventative



Fluoxastrobin 480 SC

- Drench, Crown and Surface Spray Applications
- To control soilborne seedling, and crown diseases of production ornamentals (greenhouse shadehouse, container grown and field grown as a preventative prior to infection.
- Good coverage of the pre-infection area is necessary for satisfactory control



Fluoxastrobin 480 SC Diseases

- Leaf blight/spots
 - Ascochyta spp*
 - Alternaria Leaf Spots*
 - Anthracnose*
 - Cerospora Leaf Spot*
 - Downy Mildew#
 - Corynespora spp.
 - Diplocarpon spp.#
 - Sclerotinia spp.#
 - Ventura spp.*
 - Myrothecium Leaf Spot*
- Rates
 - 1*Apply 1-4 fl. oz/100 gal every 7-28 days
 - 2#Apply 1-4 fl. oz/100 gal every 7-28 days



Fluoxastrobin 480 SC Diseases

- Powdery Mildews*
 - Rusts*
 - Flower Blights*
 - Shoot/Stem Disease*
 - Soilborne Disease
#(crown spray)
 - Soilborne Diseases
@(drench/spray)
- *Apply 1-4 fl. oz/100 gal every 7-28 days
 - #Apply 1-4 fl. oz/100 gal every 7-28 days
 - Apply 2-8 fl. oz/100 gal, 1-2 pts. Fo solution per sq. ft. surface area (or enough solution to wet the growing media) 7-28 days



Fluoxastrobin + Chlorothalonil for ornamentals

- For the control of foliar, stem and root diseases on turf (and adding ornamentals)
- Fluoxastrobin.....2.44%
- Chlorothalonil.....38.40
 - This product contains 4.0 pounds of chlorothalonil per gallon
 - This product contains 0.25 pounds of fluoxastrobin per gallon
- Caution signal, 12 hr rei

