

NOTE: THE FOLLOWING INFORMATION IS OFFERED AS A GUIDE FOR PROSPECTIVE CHALLENGES TO MANAGING SEASHORE PASPALUM. ALL TURFGRASSES ARE SUBJECTED TO INSECT, DISEASE, AND WEED PRESSURES. PROPER MANAGEMENT IS THE KEY TO SUCCESS. YOU MUST CHECK ALL LABELS OF THE PESTICIDES TO BE USED ON THIS GRASS FOR LEGAL AND PROPER USE. MENTION OF A PARTICULAR PRODUCT IS NOT AN ENDORSEMENT OF THAT PRODUCT BUT REFLECTS WHAT IS KNOWN AT THE PRESENT TIME. ENVIRONMENTAL INTERACTIONS, INCLUDING SALINITY THAT IMPACT SPECIFIC SITES, MAY GIVE VARIABLE RESULTS IN THE USE OF SOME PRODUCTS.

Helminthosporium melting out & leaf spot diseases

(*Bipolaris* spp., *Drechslera* spp.) (*Bipolaris cynodontis*=leaf blotch; *B. sorokiniana*=leaf spot; *B. spicifera*=stem/crown rot) (*Drechslera siccans*=brown blight; *D. poae*=melting out; *D. dictyoides*=net blotch) and (*Exserohilum rostratum*)

Symptoms: Purplish to reddish brown spots gradually fading to tan areas, brownish fading out grass down to crown region. Occurs with temperatures between 68 to 95°F. May act in tandem with *Curvularia*. Often occurs after drought stress conditions that occur on the paspalum turf.

Cultural control:

- **maintain healthy turf root system using aeration and frequent K applications**
- **avoid excessive nitrogen**
- **remove traffic stress on the turf**
- **maintain proper irrigation scheduling**
- **check for nematodes**
- **keep nutrients balanced, critical for P and K residual in soil**
- **prevent abiotic stress and development of early leaf senescence**

****seaweed kelp (cytokinin) applications will be needed to enhance recovery**

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Fungicides to avoid or to minimize development of resistant pathotypes unless combined with a different mode-of-action chemistry: Benomyl

Thiophanate methyl (Fungo, Cleary's 3336 & 26/36, Topsin, Systec 1998, Cavalier, T-Bird®)

DMIs (Bayleton, Banner, Eagle, Rubigan, Savii, Spectator, Trinity)
((demethylation inhibiting fungicides such as fenarimol, propiconazole, trifloxystrobin, triticonazole, myclobutanil, triadimefon))

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Suggested Fungicides (ROTATE MODE-OF-ACTION CHEMISTRIES)

azoxystrobin (Heritage)*Heritage Action (acibenzolar-s-methyl for stress tolerance inducement)**

trifloxystrobin (Compass)***

iprodione (Chipco 26019, Chipco 26GT, Raven™ 26GT, Iprodione Pro, Tazz™, Eclipse ETQ)

pyraclostrobin (Insignia)***

pyraclostrobin + triticonazole (Pillar G)

fludioxonil (Medallion)***

difenoconazole + fludioxonil (Instrata Elite)

propiconazole (Banner MAXX, Kestrel®, Echo, Spectator, Propensity, Prophecy™, Tilt, Strider, PropiMax)

triadimefon (Bayleton)

myclobutanil (Eagle, Siskin®, Systhane, Laredo, Nova, Rally, Myclobutanil 20EW, Golden Eagle™)

cyproconazole (Sentinel, Alto)

maneb, mancozeb (Zn+Mn bisdithiocarbamate) (Fore, Protect, Dithane, WingMan, Manzate, Formec)

vorlan/vinclozolin (Curalan, Touche)

mancozeb + copper hydroxide (Junction)

trifloxystrobin + triadimefon (Tartan, Armada)

chlorothalonil + thiophanate methyl (Spectro 90, Peregrine, Tee-1-Up, ConSyst, Broadcide)

chlorothalonil + acibenzolar (Daconil Action)

chlorothalonil + tebuconazole (E-Scape ETQW)

azoxystrobin + propiconazole (Headway, Quilt)

azoxystrobin + tebuconazole (ArmorTech ZOXY-T; Strobe T)

azoxystrobin + cyproconazole (Quadris Xtra)

azoxystrobin (Heritage) + thiamethoxam (Meridian insecticide)

fluoxastrobin (Disarm, Evito, Fame)

fluoxastrobin + chlorothalonil (Fame + C)

fluoxastrobin + tebuconazole (Fame + T)

trifloxystrobin + triadimefon (Armada, Tartan)

kresoxim –methyl (Cygnus)

Mn + Zn + ethylenebis dithiocarbamate + thiophanate methyl (Zyban)

etridiazole + thiophanate methyl (Banrot)

Banner + Daconil (Concert)

propiconazole (Echo Propiconazole EC, Tilt, Strider, Kestrel®, Prophecy™)

metconazole (Tourney)

potassium phosphate + chlorothalonil (Vitalonil)

PCNB (ParFlo, Autilus)

PCNB + tebuconazole (Oreon or Premion)

fluazinam (Secure biofungicide; Rotator)

fluazinam + tebuconazole Traction

Heritage + Daconil (Renown)

ammonium chlorides (Agrisan 20, Pro-Tech)

pyraclostrobin + boscalid (Pageant, Honor)

pyraclostrobin + triticonazole (Pillar G)

fluxapyroxad + pyraclostrobin (Lexicon)

iprodione + thiophanate-methyl (Dovetail, Chipco 26/36, ProTurf Fluid Fungicide)

iprodione + trifloxystrobin (Interface™)

tebuconazole (Mirage™, Lynx, Torque, Muscle®, ArmorTech TEB360, Clearscape ETQ, Skylark™)

chlorothalonil + tebuconazole (E-Scape ETQ)

fluopyram + trifloxystrobin (Exteris Stressgard)

Solatenol®+difenoconazole+azoxystrobin+propiconazole (Contend)