### Families of Fungicides for Turfgrass

#### Chemical Family: Dithiocarbamates

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Trade Names(+)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maneb</td>
<td>Dithane F-2Z, Dithane M-22</td>
<td>These types of fungicides have broad spectrum control properties and are used as protectants.</td>
</tr>
<tr>
<td>Zineb</td>
<td>Dithane Z-78, Zineb</td>
<td>These fungicides were developed in the mid-1970s and are locally systemic in nature. These fungicides are considered to have a broad spectrum of control. Fungal resistance has been reported for this group.</td>
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<tr>
<td>Mancozeb</td>
<td>Fore, Formec, Lesco 4, Dithane M-45, Protect 1/O, Spotrete</td>
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<tr>
<td>Thiiram</td>
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</tr>
</tbody>
</table>

#### Chemical Family: Dicarboximides

- Iprodione
  - Chipco 26019, Proturf Fungicide VI
- Vinlozonin
  - Varion, Touche', Curalan

#### Chemical Family: Benzimidazoles

- Benomyl
  - Rockland, Lebanon Fungicide Type B
- Thiophanite-methyl
  - Fungo 50, Cleary's 3336

#### Chemical Family: Sterol Inhibitors

- Fenarimol
  - Rubigan
- Triadimefon
  - Bayleton
- Propiconazole
  - Banner
- Cyproconazole
  - Sentinel

### Additional Fungicides

- Anilazine
  - Dyrene, Lescorene, Lofts Lawn Fungicide
- Chlorothalonil
  - Daconil 2787, Lebanon Type Fungicide D
- Flutolanil
  - ProStar
- PCNB
  - (pentachloronitrobenzine) Resistance has not been reported with these protectants.

### Pythium Controlling Fungicides

- Metalaxyl
  - Subdue, Proturf Pythium Control
- Propamocarb
  - Banol
- Fosetyl Aluminum
  - Aliette
- Chloroneb
  - Teremec SP, Proturf Fungicide II
- Etridiazol
  - Koban, Terrazole

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*Adapted from: Turfgrass Ecology and Management by T.K. Danneberger
+Product list by Trade Name may not be all inclusive*