**Pumpkin Fungicide Schedule January 2020** - Start applications for bacterial spot control at softball stage unless lesions observed earlier. Initial applications for Phytophthora blight, if needed, will depend on weather and field history-Phytophthora blight can affect seedlings. Powdery mildew will be less of a problem on partially resistant varieties. Start powdery mildew applications at bush stage.

Most products from list D also are effective against downy mildew-don’t make extra applications for downy mildew unless disease threatens. More detail available in the *Midwest Vegetable Production Guide* (ID-56)

Be sure to alternate FRAC codes. Numbers after products: (REI/PHI-FRAC code).

<table>
<thead>
<tr>
<th>Application stage</th>
<th>Bacterial spot</th>
<th>Other foliar diseases</th>
<th>Phytophthora blight</th>
<th>Powdery mildew</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No sprays unless lesions observed</td>
<td>Use products from systemic lists A and B if Plectosporium blight and/or black rot threaten.</td>
<td>Spray if Phytophthora blight threatens</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>4- bush stage</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>5-soft ball stage</td>
<td>mancozeb + copper</td>
<td>Systemic list D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>9</td>
<td>Sprays not needed after youngest fruit in field is more than 14 days post pollination.</td>
<td>Systemic list D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
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<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td>Systemic from list E</td>
</tr>
</tbody>
</table>

**Systemic list A-black rot**

- Luna Experience (12/7-7, 3)
- Monsoon, Onset, Toledo, Vibe (12/7-3)
- Miravis Prime (12/1-7,12)

**Systemic list B- Plectosporium blight**

- Cabrio (12/0-11)
- Inspire Super (12/7-3, 9)
- Mervon (12/0-7, 11)
- Quadris, Satori (4/1-11)

**Systemic list D-Pythium, Phytophthora blight**

- Agri-Fos, Phostrol, Prophyte, Rampart (4/0-33)
- Forum (12/0-40)
- Elumin (12/2) – 22
- Orondis Ridomil Gold SL (48/5-U15-4)
- Orondis Opti (4/0-U15, M)
- Orondis Ultra (4/0-U15, 40)
- Ranman (12/0-21)
- Revus (4/0-40)
- Presidio (12/2-43)
- Zampro (12/0-45,40)

**Comments**

- These products should be applied first in most cases.
- May be available as a co-pack.

**Systemic list E-powdery mildew**

- Aprovia Top (12/0-3, 7)
- Fontelis (12/1-7)
- Luna Experience (12/7-7, 3)
- Procure (12/0-3)
- Quintec (12/3-13)
- Rally (24/0-3)
- Torino (12/0-U6)
- Inspire Super (12/7-3,9)
- Vivando (12/0-U8)

**Comments**

- Also on list A, B.
- Also on list A
- Also on list A
- Contact product.

For questions and comments: Dan Egel, Extension Plant Pathologist, SW Purdue Ag Center Vincennes, IN; 812-886-0198; egel@purdue.edu