

## Watermelon Fungicide Spray Programs 2016

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As with most crops, disease management begins prior to planting the crop to be protected. By using such methods as disease-free seed and transplants, proper rotation, discing and plowing, and use of resistant varieties, growers can minimize the amount of disease that is available to attack their crop. Using many practices takes all the weight off of any one practice and gives growers more disease management options at lower risk. Once plants are in the field, however, fungicide sprays are relied on heavily for effective and economical management of plant diseases. This spray guide is designed to encompass many diseases that attack watermelon during the growing season(s) in Georgia.

**Spray Schedule = Start 1 week after transplanting, then use 7 day schedule if raining once a week.**

| Spring           |  | Fall             |   |
|------------------|--|------------------|---|
| Spray No.        | Fungicide(s)/disease activity  | Spray No.        | Fungicide(s)/disease activity   |
| 0.               | Proline at-plant drench/FW   | 1.               | Chlorothalonil <sup>1</sup> + Tebuconazole <sup>3</sup> /GSB<br>Actigard and/or copper fungicide <sup>2</sup> /BFB  |
| 1.               | Chlorothalonil <sup>1</sup> /GSB<br>Actigard and/or copper fungicide <sup>2</sup> /BFB   | 2.               | Chlorothalonil/GSB<br>copper fungicide/BFB  |
| 2.               | Chlorothalonil/GSB<br>copper fungicide/BFB<br>Proline/FW   | 3.               | Chlorothalonil + Aprovia top OR Inspire Super/GSB<br>Actigard and/or copper fungicide/BFB   |
| 3.               | Tebuconazole <sup>3</sup> /GSB or chlorothalonil/GSB<br>Actigard and/or copper fungicide/BFB   | 4.               | Chlorothalonil/GSB<br>copper fungicide/BFB  |
| 4.               | Chlorothalonil/GSB<br>copper fungicide/BFB   | 5.               | Chlorothalonil + Tebuconazole OR Inspire Super/GSB<br>copper fungicide/BFB  |
| 5.               | Inspire Super OR Aprovia top/GSB<br>copper fungicide/BFB   | 6.               | Luna Experience/POW + GSB<br>Orondis or Presidio or Revus/DOW or PCAP<br>copper fungicide/BFB   |
| 6.               | Luna Experience/POW + GSB<br>Orondis (foliar) or Presidio or Revus or Zampro /DOW<br>or PCAP<br>copper fungicide/BFB   | 7.               | Proline or Aprovia top or Inspire Super /GSB<br>Quintec or Torino + Quadris or Cabrio/POW+ANTH<br>Presidio, Revus or Zampro/DOW or PCAP<br>copper fungicide/BFB |
| 7.               | Proline or OR Inspire Super or Aprovia top /GSB<br>Quintec or Torino or Procure + Quadris or<br>Cabrio/POW+ANTH<br>Presidio or Revus or Zampro/DOW or PCAP<br>copper fungicide/BFB | 8 <sup>4</sup> . | Luna Experience/POW + GSB<br>Orondis or Presidio, Revus or Zampro/DOW or<br>PCAP  |
| 8 <sup>4</sup> . | Luna Experience/POW + GSB<br>Orondis (foliar), Presidio, Revus or Zampro/DOW or<br>PCAP  | 9 <sup>4</sup> . | Proline, Tebuconazole OR Inspire Super/GSB<br>Quintec or Torino + Quadris or Cabrio/POW+ANTH<br>Presidio or Revus/DOW or PCAP                                   |
| 9 <sup>4</sup> . | Proline, Tebuconazole OR Inspire Super/GSB<br>Quintec or Torino + Quadris or Cabrio/POW+ANTH<br>Orondis (foliar), Presidio, Revus or Zampro/DOW or<br>PCAP                         |                  |   |

<sup>1</sup> Chlorothalonil (Bravo, Echo, Equus, etc...) may cause rind burn if sprayed within 21 day of harvest.

<sup>2</sup> Actigard and/or Copper is used prior to fruit set if bacterial fruit blotch is an issue.

<sup>3</sup> Tebuconazole should be used at 8.0 fl oz when sprayed each time with a seasonal limit of 24 fl oz.

<sup>4</sup> Be mindful of preharvest intervals (PHIs) for later sprays as many may have a 7-14 day PHI.

Always read the label for detailed application instructions or consult the Georgia Pest Control Handbook.

Disease Acronyms: BFB = bacterial fruit blotch; GSB = gummy stem blight; POW = powdery mildew; DOW = downy mildew; ANTH = anthracnose; PCAP = Phytophthora crown and fruit rot. FW=Fusarium wilt.