

Watermelon Fungicide Spray Programs 2016

Bhabesh Dutta
Extension Vegetable Pathologist – University of Georgia

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 ¹ + Tebuconazole ³ /GSB Actigard and/or copper fungicide ² /BFB
1.	Chlorothalonil ¹ /GSB Actigard and/or copper fungicide ² /BFB	2.	Chlorothalonil/GSB copper fungicide/BFB
2.	Chlorothalonil/GSB copper fungicide/BFB Proline/FW	3.	Chlorothalonil + Aprovia top OR Inspire Super/GSB Actigard and/or copper fungicide/BFB
3.	Tebuconazole ³ /GSB or chlorothalonil/GSB Actigard and/or copper fungicide/BFB	4.	Chlorothalonil/GSB copper fungicide/BFB
4.	Chlorothalonil/GSB copper fungicide/BFB	5.	Chlorothalonil + Tebuconazole OR Inspire Super/GSB copper fungicide/BFB
5.	Inspire Super OR Aprovia top/GSB copper fungicide/BFB	6.	Luna Experience/POW + GSB Orondis or Presidio or Revus/DOW or PCAP copper fungicide/BFB
6.	Luna Experience/POW + GSB Orondis (foliar) or Presidio or Revus or Zampro /DOW or PCAP copper fungicide/BFB	7.	Proline or Aprovia top or Inspire Super /GSB Quintec or Torino + Quadris or Cabrio/POW+ANTH Presidio, Revus or Zampro/DOW or PCAP copper fungicide/BFB
7.	Proline or OR Inspire Super or Aprovia top /GSB Quintec or Torino or Procure + Quadris or Cabrio/POW+ANTH Presidio or Revus or Zampro/DOW or PCAP copper fungicide/BFB	8 ⁴ .	Luna Experience/POW + GSB Orondis or Presidio, Revus or Zampro/DOW or PCAP
8 ⁴ .	Luna Experience/POW + GSB Orondis (foliar), Presidio, Revus or Zampro/DOW or PCAP	9 ⁴ .	Proline, Tebuconazole OR Inspire Super/GSB Quintec or Torino + Quadris or Cabrio/POW+ANTH Presidio or Revus/DOW or PCAP
9 ⁴ .	Proline, Tebuconazole OR Inspire Super/GSB Quintec or Torino + Quadris or Cabrio/POW+ANTH Orondis (foliar), Presidio, Revus or Zampro/DOW or PCAP		

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

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

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

⁴ 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.