#### **Watermelon Fungicide Spray Programs 2018**

## 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 on 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	<u> </u>	Spray	
No.	Fungicide(s)/disease activity	No.	Fungicide(s)/disease activity
0.	Proline at-plant drench/FW	1.	Chlorothalonil <sup>1</sup> + Tebuconazole <sup>3</sup> /GSB
			Actigard and/or copper fungicide <sup>2</sup> /BFB
1.	Chlorothalonil <sup>1</sup> /GSB		
	Actigard and/or copper fungicide <sup>2</sup> /BFB	2.	Chlorothalonil/GSB
2	Chlarada Laril/CCD		copper fungicide/BFB
2.	Chlorothalonil/GSB	3.	Chlorethologil + America ton OP Inchina Compa/CCP
	copper fungicide/BFB Proline/FW	3.	Chlorothalonil + Aprovia top OR Inspire Super/GSB Actigard and/or copper fungicide/BFB
	FIOIIIE/FW		Actigate and/or copper fullgleide/BFB
3.	Tebuconazole <sup>3</sup> /GSB or chlorothalonil/GSB	4.	Chlorothalonil/GSB
٥.	Actigard and/or copper fungicide/BFB		copper fungicide/BFB
4.	Luna Experience/GSB	5.	Chlorothalonil + Tebuconazole OR Inspire Super/GSB
	copper fungicide/BFB		copper fungicide/BFB
5.	Inspire Super OR Aprovia top/GSB	6.	Luna Experience/POW + GSB
٥.	copper fungicide/BFB	0.	Orondis or Presidio or Revus/DOW or PCAP
	copportung structure 212		copper fungicide/BFB
6.	Luna Experience/POW + GSB		
	Orondis (foliar) or Presidio or Revus or Zampro /DOW		
	or PCAP	7.	Proline or Aprovia top or Inspire Super /GSB
	copper fungicide/BFB		Quintec or Torino + Quadris or Cabrio/POW+ANTH
			Presidio, Revus or Zampro/DOW or PCAP
7.	Proline or OR Inspire Super or Aprovia top /GSB		copper fungicide/BFB
	Quintec or Torino or Procure + Quadris or		
	Cabrio/POW+ANTH Orondis (foliar)/PCAP		
	Elumin or Ranman or Previour flex/DOW	8 <sup>4</sup> .	Luna Experience/POW + GSB
	conner funcicido/DED		Orondis or Presidio, Revus or Elumin/DOW or PCAP
	copper fungicide/BFB		ICAI
$8^{4}$ .	Orondis (foliar) or Presidio or Revus/PCAP	$9^4$ .	Proline OR Aprovia Top OR Inspire Super/GSB
	Ranman or Elumin or Previour flex/DOW		Proline OR Aprovia Top OR Inspire Super/GSB Quintec or Torino + Quadris or Cabrio/POW+ANTH
			Presidio or Revus/DOW or PCAP
$9^{4}$ .	Proline OR Aprovia Top OR Inspire Super/GSB Quintec or Torino + Quadris or Cabrio/POW+ANTH		
	Quintec or Torino + Quadris or Ĉabrio/POW+ANTH		
	Presidio or Revus/PCAP		

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

Ranman or Elumin or Previour flex/DOW

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

<sup>&</sup>lt;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>&</sup>lt;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.

#### Succulent Legume (snap, lima, pole bean) Fungicide Spray Programs 2018

# 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 practice and gives growers more disease management options at lower risk. Once plants are in the fields, however, fungicide sprays are relied on heavily for effective and economical management of plant diseases. This spray guide is designed to encompass many disease that attack succulent pod legumes during the growing season(s).

### Spray Schedule = 7 - 14 day

Spring/Summer			Fall		
Spray No.	Fungicide(s)/disease activity	Spray No.	Fungicide(s) /disease activity		
1.	Chlorothalonil of Folicur/R + CERC + ALT	1.	Chlorothalonil <sup>1</sup> of Folicur/R + CERC + ALT		
2.	Chlorothalonil <sup>1</sup> of Folicur/R + CERC + ALT	2.	Chlorothalonil <sup>1</sup> of Folicur/R + CERC + ALT		
3.	Chlorothalonil <sup>1</sup> of Folicur/R + CERC + ALT	3.	Chlorothalonil <sup>1</sup> of Folicur/R + CERC + ALT		
4.	Quadris/RHIZ + R CERC + ALT	4.	Quadris/RHIZ + R CERC + ALT		
5.	Topsin / ANTH (mainly lima bean) Quadris/RHIZ + R + CERC + ALT	5.	Topsin / ANTH (mainly lima bean) Quadris/RHIZ + R + CERC + ALT		
6.	Ridomil Gold Copper <u>or</u> Headline/PYTH <u>or</u> Quadris/PYTH + RHIZ + R + CERC + ALT Phosphite-type product/PYTH	6.	Ridomil Gold Copper <u>or</u> Headline/PYTH <u>or</u> Quadris/PYTH + RHIZ + R + CERC + ALT Phosphite-type product/PYTH		
7.	Rally/R + RHIZ Ridomil Gold Copper or Headline / PYTH or Quadris / PYTH + RHIZ + R + CERC + ALT Phosphite-type product /PYTH	7.	Rally/R + RHIZ Ridomil Gold Copper or Headline / PYTH or Quadris / PYTH + RHIZ + R + CERC + ALT Phosphite-type product /PYTH		
8.	Ridomil Gold Copper <u>or</u> Headline/PYTH <u>or</u> Quadris/PYTH + RHIZ + R + CERC + ALT Phosphite-type product/PYTH	8.	Priaxor or Omega 500 or Rovral or Topsin or Fontelis/ SCR		

<sup>&</sup>lt;sup>T</sup> Chlorothalonil (Bravo, Echo, Equus, etc...).

Always read the label for detailed application instructions of consult the Georgia pest Control handbook.

Disease Acronyms: RHIZ=Rhizoctonia belly rot; R = rust; ANTH = anthracnose; ALT = Alternaria pod and leaf spot: CERC = Cercospora leaf spot; PYTH = Pythium cottony leak; SCR = Scelerotinia or "white mold".

### Collard, Kale, Mustard, Turnip (greens) Fungicide Spray Programs 2018

## 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 on 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 greens during the growing season(s) in Georgia.

### **Spray Schedule = 7 day**

	Fall or Winter/Spring				
Spray No.	Fungicide(s)/disease activity				
Pre-plant	Besides deep-turning, use Terraclor/RHIZ + CR or Quadris/RHIZ				
1.	Zampro or KPHITE or Forum or Revus <sup>2</sup> or Reason <sup>3</sup> /DOW copper fungicide <sup>1</sup> /BR Quadris or Cabrio/ALT + CERC				
2.	Zampro or KPHITE or Forum or Revus or Reason/DOW copper fungicide/BR Tebuconazole/ALT + CERC				
3.	Zampro or KPHITE or Forum or Revus or Reason/DOW copper fungicide/BR  or Fontelis or Endura/ALT + SCR				
4.	Zampro or KPHITE or Forum or Revus or Reason/DOW copper fungicide/BR Tebuconazole/ALT + CERC				
5.	Zampro or KPHITE or Forum or Revus or Reason /DOW copper fungicide/BR Fontelis or Endura/ALT + SCR				
6.	Zampro or KPHITE or Forum or Revus or Reason/DOW copper fungicide/BR Tebuconazole/ALT + CERC				
1					

Copper is used to suppress spread of black rot caused by the bacterium Xanthomonas campetris pv. campestris.

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

Disease Acronyms: DOW = downy mildew; ALT = Alternaria leaf spot; CERC = Cercospora leaf spot; BR = black rot; SCR = Sclerotinia (raisin head); CR = club root.

<sup>&</sup>lt;sup>2</sup> Forum and Revus have the same mode of action, so don't spray them back-to-back. Use one or the other.

<sup>&</sup>lt;sup>3</sup> If Reason is used you don't need to use Quadris or Cabrio as all three control Alternaria and Cercospora. Don't spray Reason, Cabrio or Quadris back-to-back as they have the same mode of action.

#### Broccoli/Cabbage Fungicide Spray Programs 2018

## 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 on 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 these brassicas during the growing season(s) in Georgia.

#### Spray Schedule = 7 day

Fall or Winter/Spring				
Spray No.	Fungicide(s)/disease activity			
Pre-plant	Besides deep-turning, use Terraclor/RHIZ + CR or Quadris/RHIZ			
1.	Chlorothalonil <sup>1</sup> /DOW copper fungicide <sup>2</sup> /BR			
2.	Ridomil Gold Bravo <sup>3</sup> or Forum or Revus <sup>4</sup> or Reason <sup>5</sup> or Presidio + chlorothalonil/DOW copper fungicide/BR Quadris or Cabrio/ALT + CERC			
3.	Ridomil Gold Bravo or Forum or Revus or Reason or Presidio + chlorothalonil/DOW copper fungicide/BR Switch/ALT + CERC; Fontelis/SCR			
4.	Ridomil Gold Bravo or Forum or Revus or Reason or Presidio + chlorothalonil/DOW copper fungicide/BR Endura/ALT + SCR			
5.	Ridomil Gold Bravo or Forum or Revus or Reason or Presidio + chlorothalonil/DOW copper fungicide/BR Switch/ALT + CERC + SCR or			
6.	Ridomil Gold Bravo or Forum or Revus or Reason or Presidio + chlorothalonil/DOW copper fungicide/BR Fontelis or Endura/ALT + SCR			

Chlorothalonil (Bravo, Echo, Equus, etc...).

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

Disease Acronyms: DOW = downy mildew; ALT = Alternaria leaf spot; CERC = Cercospora leaf spot; BR = black rot; SCR = Sclerotinia (raisin head); CR = club root.

<sup>&</sup>lt;sup>2</sup> Copper is used to suppress spread of black rot caused by the bacterium *Xanthomonas campetris* pv. *campestris*.

<sup>&</sup>lt;sup>3</sup> Ridomil Gold Bravo and/or Presidio need to be rotated with Forum, Revus, and/or Reason.

<sup>&</sup>lt;sup>4</sup> Forum and Revus have the same mode of action, so don't spray them back-to-back. Use one or the other.

<sup>&</sup>lt;sup>5</sup> If Reason is used you don't need to use Quadris or Cabrio as all three control Alternaria and Cercospora. Don't spray Reason, Cabrio or Quadris back-to-back as they have the same mode of action.

## **Cucumber Fungicide Spray Programs 2018**

# 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 on 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 squash during the growing season(s) in Georgia and is not intended to be followed literally but to give an idea of the chronology of disease pressure in relation to fungicide choice. Each field in each year has different situations that call for different actions.

Spray Schedule = 7 day

	Spring	Schodic	Fall		
Spray number	Fungicide/disease activity	Spray number	Fungicide/disease activity		
1	Chlorothalonil <sup>1</sup> or mancozeb/DOW + ANTH + GSB	1	Cabrio or Topsin/ANTH Presidio/Elumin/Ranman/Previcur Flex/Revus/ DOW + PCAP Chlorothalonil/ANTH + DOW + GSB		
2	Chlorothalonil <sup>1</sup> or mancozeb/DOW + ANTH + GSB	2	Topsin + mancozeb/ANTH + DOW Orondis/Presidio/Ranman/Previcur flex/ Revus/DOW + PCAP Chlorothalonil or mancozeb/ANTH + DOW + GSB		
3	Chlorothalonil <sup>1</sup> or mancozeb/DOW + ANTH + GSB	3	Cabrio/ANTH Presidio/Elumin/Ranman/Revus/DOW + PCAl Chlorothalonil or mancozeb/ANTH + DOW + GSB		
4	Quadris + Tebuconazole <sup>2</sup> /RHIZ + ANTH + GSB	4	Aprovia top + chlorothalonil/RHIZ + GSB + DOW Orondis/Presidio/Ranman/ Previcur flex/Revus/DOW + PCAP		
5	Orondis (foliar)/ Presidio/Revus/PCAP Elumin/Ranman/Previcur Flex/DOW Chlorothalonil or mancozeb/ ANTH + DOW + GSB	5	Quadris/RHIZ + ANTH Elumin/Presidio/Ranman/ Previcur flex/Revus/ DOW + PCAP Chlorothalonil or mancozeb/ANTH + DOW + GSB		
6	Aprovia top+ chlorothalonil/RHIZ + GSB + DOW Presidio/Elumin/Ranman/Previcur flex/ DOW + PCAP	6 Revus/	Cabrio or Topsin/ANTH Orondis/Presidio/Ranman/Revus/DOW + PCAP Chlorothalonil or mancozeb/ANTH +		

	Chlorothalonil or mancozeb/ANTH + DOW + GSB		DOW + GSB
7	Orondis/Presidio/Ranman/ Previcur flex/Revus/DOW + PCAP Chlorothalonil/ANTH + DOW + GSB	7	Aprovia top + chlorothalonil/RHIZ + GSB + DOW Elumin/Presidio/Ranman/Previcur flex/ Revus/ DOW + PCAP Chlorothalonil or mancozeb/ANTH + DOW + GSB
8	Cabrio or Topsin/ANTH Presidio/Elumin/Ranman/Previcur Flex/Revus/ DOW + PCAP Chlorothalonil/ANTH + DOW + GSB	8	Presidio/Ranman/Revus/DOW + PCAP Chlorothalonil/ANTH + DOW + GSB

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

Disease Acronyms: GSM = gummy stem blight; RHIZ=Rhizoctonia belly rot; DOW = downy mildew; ANTH = anthracnose; PCAP = Phytophthora crown and fruit rot.

<sup>&</sup>lt;sup>1</sup>Chlorothalonil (Bravo, Echo, Equus, etc...).
<sup>2</sup>Folicur should be used at 8.0 fl oz when sprayed each time with a seasonal limit of 24 fl oz.

#### Pepper Fungicide Spray Programs 2018

#### 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 peppers in Georgia.

Spray	Schedul	le = 3.5	dav
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	Fall or Winter/Spring				
Spay No.	_ · ·				
Pre-plant	Methyl bromide or Georgia 3-way				
1.	Actigard at 0.75 oz/acre/BS Ridomil at plant drench/PCAP copper fungicide/BS				
2.	copper fungicide/BS				
3.	Quintec and copper fungicide/BS				
4.	Actigard at 0.5 oz/acre/Leap/BS copper fungicide/BS				
5.	Orondis or Presidio through the drip/PCAP Quintec and copper fungicide/BS				
6.	Cabrio or Quadris/ANTH copper fungicide/BS				
7.	Actigard at 0.33 oz.acre/BS Quintec and copper fungicide/BS Revus/PCAP				
8.	Presidio foliar/PCAP; copper fungicide/BS				
9.	Orondis (drip)/PCAP; Quintec and copper fungicide/BS				
10.	Cabrio or Quadris/ANTH copper fungicide/BS				
11.	copper fungicide/BS Revus/PCAP				
12.	copper fungicide/BS				
13	Cabrio or Quadris/ANTH copper fungicide/BS				
14.	copper fungicide/BS				
15.	copper fungicide/BS				
1	and so on until harvest or pre-harvest interval				

Chlorothalonil (Bravo, Echo, Equus, etc.). Always read the label for detailed application instructions or consult the Georgia Pest Control handbook. Disease Acronyms: BS = bacterial spot; ANTH = anthracnose; PCAP = Phytophthora crown rot.

## **Pumpkin Fungicide Spray Programs 2018**

## 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 on 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 squash during the growing season(s) in Georgia and is not intended to be followed literally but to give an idea of the chronology of disease pressure in relation to fungicide choice. Each field in each year has different situations that call for different actions.

Spray Schedule = 7 day

Spring		Fall	
Spray	Fungicide/disease activity	Spray	Fungicide/disease activity
number		number	
1	Chlorothalonil <sup>1</sup> or mancozeb/DOW	1	Orondis (soil app)/PCAP
			Chorothalonil or mancozeb/DOW
2	Orondis (soil app)/PCAP	2	Chlorothalonil <sup>1</sup> or mancozeb/DOW
	Chorothalonil or mancozeb/DOW		
3	Presidio or Revus/PCAP	3	Presidio or Revus/PCAP
	Chorothalonil or mancozeb/DOW		Chorothalonil or mancozeb/DOW
4	Orondis (soil app)/PCAP	4	Orondis (soil app)/PCAP
	Cholrothalonil/DOW		Cholrothalonil/DOW
	Torino or Fontelis or Proline/POW		Torino or Fontelis or Proline/POW
5	Torino or Fontelis or Proline/POW	5	Torino or Fontelis/POW
	Presidio or Revus/ PCAP + DOW		
	Chlorothalonil or mancozeb+Elumin		
	or Ranman or Previcur Flex/ DOW		
6	Torino or Proline /POW	6	Torino or Fontelis or Proline/POW
	Orondis (soil app)/ PCAP + DOW		Orondis (soil app)/ PCAP + DOW
	Chlorothalonil or mancozeb+Elumin		Chlorothalonil or mancozeb+Elumin or
	or Ranman or Previour Flex/ DOW		Ranman or Previour Flex/ DOW
7	Torino or Fontelis/POW	7	Presidio or Revus/ PCAP + DOW
	Presidio or Revus/ PCAP + DOW		Chlorothalonil or mancozeb+Elumin or
	Chlorothalonil or mancozeb+Elumin		Ranman or Previcur Flex/ DOW
	or Ranman or Previcur Flex/ DOW		
8	Presidio or Revus/ PCAP + DOW	8	Torino or Fontelis or Proline/POW
-	Chlorothalonil or mancozeb+Elumin		Presidio or Revus/ PCAP + DOW
	orRanman or Previour Flex/ DOW		Chlorothalonil or mancozeb+Elumin or
	· · · · · · · · · · · · · · · · · · ·		Ranman or Previour Flex/ DOW

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

Disease Acronyms: GSM = gummy stem blight; RHIZ=Rhizoctonia belly rot; DOW = downy mildew; ANTH = anthracnose; PCAP = Phytophthora crown and fruit rot.

<sup>&</sup>lt;sup>1</sup>Chlorothalonil (Bravo, Echo, Equus, etc...).
<sup>2</sup>Folicur should be used at 8.0 fl oz when sprayed each time with a seasonal limit of 24 fl oz.

#### South Georgia Tomato Fungicide Spray Programs 2018

# 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 on 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 tomato during the growing season(s) in Georgia.

#### Spray Schedule = 3.5 day

Fall or Winter/Spring			
Spray No.	Fungicide(s)/disease activity		
Pre-plant	Georgia 3-way or WSP or Paladin Pic		
1.	Actigard at 0.33 oz/acre in 30-50 gallons of water copper		
	fungicide + mancozeb + chlorotalonil <sup>1</sup> /BS + EB		
2.	copper fungicide + mancozeb/BS		
3.	Actigard at 0.33 oz/acre in 30-50 gallons of water/Leap copper fungicide + mancozeb + Quadris or Cabrio/BS + EB + TS		
4.	copper fungicide + mancozeb/BS		
5.	Actigard at 0.5 oz/acre in 60-70 gallons of water/Leap copper fungicide + mancozeb + chlorothalonil 1/BS + EB		
6.	copper fungicide + mancozeb/BS		
7.	Actigard at 0.5 oz/acre in 60-70 gallons of water/Leap copper fungicide + mancozeb + Quadris or Cabrio /BS + EB + TS		
8.	copper fungicide + mancozeb/BS		
9.	Actigard at 0.75 oz/acre in 70-100 gallons of water copper		
	/Leap/fungicide + mancozeb + chlorothalonil 1/BS + EB		
10.	copper fungicide + mancozeb/BS		
11.	Actigard at 0.75 oz/acre in 70-100 gallons of water /Leap copper fungicide + mancozeb + Quadris or Cabrio /BS + EB + TS		
12.	copper fungicide + mancozeb/BS		
13.	copper fungicide + mancozeb + Endura or Switch or Fontelis/BS + EB + BOT + TS		
14.	copper fungicide + mancozeb/BS		
15.	copper fungicide + mancozeb + Endura or Switch or Fontelis/BS + EB + BOT + TS		
1	and so on until harvest or pre-harvest interval		

Chlorothalonil (Bravo, Echo, Equus, etc)

Always read the label for detailed application instructions or consult the Georgia Pest Control Handbook. Disease Acronyms: BS = bacterial spot; EB = early blight; TS = target spot; BOT = Botrytis fruit rot.

## **Squash Fungicide Spray Programs 2018**

## 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 on 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 squash during the growing season(s) in Georgia and is not intended to be followed literally but to give an idea of the chronology of disease pressure in relation to fungicide choice. Each field in each year has different situations that call for different actions.

Spray Schedule = 7 day

	Spray Schedule – 7 day					
	Spring	Fall				
Spray number	Fungicide/disease activity	Spray number	Fungicide/disease activity			
1	Chlorothalonil <sup>1</sup> or mancozeb/DOW	1	Orondis (soil app)/PCAP Chorothalonil or mancozeb/DOW			
2	Orondis (soil app)/PCAP Chorothalonil or mancozeb/DOW	2	Chlorothalonil <sup>1</sup> or mancozeb/DOW			
3	Presidio or Revus/PCAP Chorothalonil or mancozeb/DOW	3	Presidio or Revus/PCAP Chorothalonil or mancozeb or Ariston/DOW			
4	Orondis (soil app)/PCAP Cholrothalonil or Ariston/DOW Torino or Fontelis/POW	4	Orondis (soil app)/PCAP Cholrothalonil or Ariston/DOW Torino or Fontelis/POW			
5	Torino or Fontelis/POW Presidio or Revus/ PCAP Chlorothalonil or mancozeb+Elumin or Ranman or Previcur Flex / DOW	5	Torino or Fontelis/POW			
6	Torino or Fontelis/POW Orondis (soil app)/ PCAP Chlorothalonil or mancozeb+Elumin or Ranman or Previcur Flex / DOW	6	Torino or Fontelis/POW Orondis (soil app)/ PCAP Chlorothalonil or mancozeb+Elumin or Ranman or Previcur Flex/ DOW			
7	Torino or Fontelis/POW  Presidio or Revus/ PCAP Chlorothalonil or mancozeb+Elumin or Ranman or Previcur Flex / DOW	7	Presidio or Revus/PCAP + DOW Chlorothalonil or mancozeb+Elumin or Ranman or Previcur Flex/DOW			

8	Presidio or Revus/ PCAP	8	Torino or Fontelis/POW
	Chlorothalonil or mancozeb+Elumin or		
	Ranman		Presidio or Revus/ PCAP
			Chlorothalonil or mancozeb+Elumin or
	or Previcur Flex / DOW		Ranman or
			Previcur Flex/ DOW

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

Disease Acronyms: GSM = gummy stem blight; RHIZ=Rhizoctonia belly rot; DOW = downy mildew; ANTH = anthracnose; PCAP = Phytophthora crown and fruit rot.

<sup>&</sup>lt;sup>1</sup>Chlorothalonil (Bravo, Echo, Equus, etc...).

<sup>&</sup>lt;sup>2</sup> Folicur should be used at 8.0 fl oz when sprayed each time with a seasonal limit of 24 fl oz.