

Pumpkin Fungicide Schedule (February 2023) - Start applications for bacterial spot at softball stage unless lesions observed earlier. Initial applications for Phytophthora blight, if needed, will depend on weather and field history-can affect seedlings. Start powdery mildew applications at bush stage. Most products from list D also are effective against downy mildew-don't make extra applications unless disease threatens. See *Midwest Vegetable Production Guide* (ID-56). Be sure to alternate FRAC codes and/or tank mix with contact products. Read label! Numbers after products: (REI/PHI-FRAC code).

Application-stage	Bacterial spot	Other foliar diseases	Phytophthora blight	Powdery mildew
Emergence-transplant	No sprays unless lesions observed	Use products from systemic lists A and B if Plectosporium blight and/or black rot threaten.	Spray/use seed treatment if disease threatens.	No applications needed.
Bush stage			Alternate systemic fungicides from list D if disease threatens.	Apply Systemic fungicide from list E at bush stage. Alternate as needed through season.
Soft ball stage	mancozeb + copper			
Fruit maturity				
Harvest	Sprays not needed after youngest fruit in field is more than 14 days post pollination.			

Contact list-M	Comment
chlorothalonil (12/0-M)	Labeled for black rot. Tank mix for downy or powdery mildew.
mancozeb (24/5-M)	Effective for bacterial spot if tank mixed with copper.
copper (24/0-M)	Use for bacterial spot.

Systemic list A-black rot	Systemic list B-Plectosporium blight
Inspire Super (12/7-3,9)	Aprovia Top (12/0-3,7)
Luna Experience (12/7-7, 3)	Cabrio (12/0-11)
Monsoon, Onset, Toledo, Vibe (12/7-3)	Flint Extra (12/7-11)
Miravis Prime (12/1-7,12)	Merivon (12/0-7, 11)
Switch 62.5 WG (12/1-9,12)	Quadris, Satori (4/1-11)
	Quadris Top (12/1-11, 3)
	Inspire Super (12/7-3. 9)

Systemic list D-Pythium, Phytophthora blight	Comments
Agri-Fos, Phostrol, Prophyte, Rampart (4/0-33)	Applied first in most cases. Phosphite products drenched on squash/pumpkin crowns at bush stage may lessen severity.
Forum (12/0-40)	
Elumin (12/2) – 22	
Orondis Ridomil Gold SL (48/5-4, 49)	Do not follow soil application with foliar app.
Orondis Ultra (4/0-40,49)	
Ranman (12/0-21)	
Revus (4/0-40)	
Presidio (12/2-43)	
Zampro (12/0-45,40)	

Systemic list E-powdery mildew	Comments
Aprovia Top (12/0-3, 7)	Also on list B
Gatten (12/0-U13)	
Luna Experience (12/7-7, 3)	Also on list A
Procure (12/0-3)	
Proline (12/7-3)	
Quintec (12/3-13)	Contact product. Limit to one application.
Torino (12/0-U6)	Limit to one application.
Vivando (12/0-U8)	

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