

Onion Fungicide Spray Programs 2020-21
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The effective management of onion diseases begins prior to planting. By using integrated methods such as disease-free seed and transplants, proper crop rotation, disking and deep ploughing of plant debris, and use of resistant varieties, growers can minimize the amount of disease epidemic by either reducing the amount of initial inoculum or the rate of disease development. Integrated use of management practices reduces the weight on individual management option and provides growers disease management options at lower risk. Chemical management using fungicides should be the last resort after using the other management options. Most of the fungicides are effective when used as protectants, only handful of fungicides have curative actions.

Spray Schedule = 7-10 day (may vary based on weather conditions)

Spray No.	¹ Fungicide(s)/target disease
After transplant	Overhead drench application of Fontelis or Endura/RHIZ, WM, PR + Copper fungicide (foliar pathogens)
1	² Chlorothalonil or Catamaran/BNR, BLB, PB/ BLB, PB
2	Pristine or Merivon or Fontelis/BLB, BNR, SLB, PB
3	Chlorothalonil or Catamaran/BNR, BLB, PB/ BLB, PB
4	Pristine or Merivon or Fontelis or Scala/BLB, BNR, SLB, PB; ManKocide or Kocide or Nordox (Pseudomonas)
5	Chlorothalonil or Catamaran/BNR, BLB, PB/ BLB, PB
6	Pristine or Merivon or Fontelis/BLB, BNR, SLB, PB; ManKocide or Kocide or Nordox (Pseudomonas)
7	Chlorothalonil or Catamaran/BNR, BLB, PB/ BLB, PB
8	Luna tranquility or Inspire super or Omega 500 or Miravis Prime or Switch/BLB, BNR, SLB, PB (Omega 500 lacks SLB activity)
9	Chlorothalonil/BNR, BLB, PB + ManKocide or Kocide or Nordox (bacterial diseases)
10	Luna tranquility or Inspire super or Omega 500 or Miravis Prime or Switch/BLB, BNR, SLB, PB (Omega 500 lacks SLB activity)
11	Chlorothalonil/BNR, BLB, PB + ManKocide or Kocide or Nordox (bacterial diseases)
12	Luna tranquility or Inspire super or Omega 500 or Miravis Prime or Switch/BLB, BNR, SLB, PB (Omega 500 lacks SLB activity)
13	Chlorothalonil /BNR, BLB, PB + ManKocide or Kocide or Nordox (bacterial diseases)
14	Luna tranquility or Inspire super or Omega 500 or Quadris top or Switch/BLB, BNR, SLB, PB (Omega 500 lacks SLB activity)
15	Chlorothalonil/BNR, BLB, PB + ManKocide or Kocide or Nordox (bacterial diseases)
16	Luna tranquility or Inspire super or Omega 500 or Miravis Primer or Switch/BLB, BNR, SLB, PB (Omega 500 lacks SLB activity) 1

The fungicide spray for **downy mildew (DM)** will be based on a forecasting model or based on a calendar spray (recommended spray may start **by second or third week of March**). Alerts for the DM spray will be communicated by the Vidalia Onion and Vegetable Research Center and the UGA, Tifton. **Fungicides with moderate level of efficacy on DM are: Orondis Ultra, Omega 500, Zampro and Chlorothalonil. Use of Phosphite (irrespective of brand and type) is highly recommended as a rotation partner.**

¹Please use the labeled rate of recommended fungicide. Rotate fungicides for good disease control.

²Chlorothalonil (Bravo, Echo, Equus etc)

Disease acronyms: BNR=Botrytis neck rot; BLB=Botrytis leaf blight; PB=Purple blotch; RHIZ=Rhizoctonia root rot; WM=White mold; PR=Pink root; SLB=Stemphylium leaf blight;