

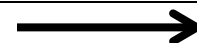
## DISEASE MANAGEMENT 2016 AT A GLANCE

Prepared by E. Saalau Rojas as an addendum to the 2016 Chart Book  
 UMass Cranberry Station <http://ag.umass.edu/cranberry> 508-295-2212 x 18

**ALWAYS READ THE LABEL and REFER TO 2016 CHART BOOK**

DISEASE	FUNGICIDE	RATE/A	NOTES
<b>Phytophthora root rot</b>  <i>Foliar Applications</i>	Aliette WDG (fosetyl-al)	5 lb	
	Fosphite (phosphites)	2-4 qt	
	Fungi-Phite (phosphites)	1-2 qt	Maximum 4 apps, 3 day PHI
	ProPhyt (phosphites)	4 pt	Rates are for chemigation application!
	K-Phite 7LP AG (phosphites)	2-4 pt	Do not tank mix!
	Phostrol (phosphites)	5-6 pt	
	Rampart	2-4 qt	
<i>Soil Applications</i>	Metastar 2EC (metalaxyl)	4-7 pt	<b>No air!</b> Ground or chemigation only. 45 day PHI, maximum 3 apps
	Gold SL (mefenoxam)	1-1.75 pt	
	Ultra Flourish (mefenoxam)	2-3.5 pt	
	Ridomil Gold GR (mefenoxam)	20-35 lb	<b>No chemigation!</b> Ground or air only. 45 day PHI, maximum 3 apps
<u>CHLOROTHALONILS</u>			
<b>Upright dieback</b>	Bravo Ultrex	3.8-6 lb	
	Bravo Weather Stik	4-6.5 pt	
	Chloronil 720	4-6.5 pt	ALL formulations are Zone II restricted
	Chlorothalonil 720 SC	4-6.5 pt	Maximum 3 apps
	Echo 720	4-7 pt	12-hour REI
	Echo 90 DF	3.25-5.75 lb	DO NOT add spreader-sticker
	Equus DF	3.8-6 lb	Do not mix with Dipel
	Equus 720 SST	4-6.5 pt	50 day PHI
	Equus 500 ZN	5.75-9.25 pt	
	Initiate 720	5.75-9.25 pt	
<u>COPPERS</u>			
	Champ DP Dry Prill	5.3 lb	No PHI, 48-hour REI,
	Champ Formula 2 Flowable	5.3 pt	Maximum 5 apps per season,
	Champ WG	4.2 lb	except 3 apps for Champ WG
<b>Fairy ring</b>	Abound (azoxystrobin)	15.5 fl oz per 30-100 gal	First app at bud break, followed 2-4 weeks later, if necessary
	Indar 2F (fenbuconazole)	12 fl oz per 30-100 gal	First app at bud break, followed 2-4 weeks later, if necessary
	Ferbam Granuflo	9 lb/100 gal	Apply 1 gal/sq ft in June-July, Maximum 1 app, 24-hour REI
	Sul-Po-Mag or K-Mag 0-0-22	4000 lb/A or 1.5 oz/sq ft	Mid-August through October, Use alone or after lime

SEE OTHER SIDE FOR FRUIT ROT



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	Abound (azoxystrobin)	6.0-15.5 oz	No more than 2 sequential apps. High risk of fungicide resistance. Phytotoxic to McIntosh apples.
	Indar 2F (fenbuconazole)	6-12 oz	Maximum 4 apps or 48 oz. Medium risk of fungicide resistance. 30 day PHI.
	Proline 480SC (prothioconazole)	5 oz	Maximum 2 apps. Medium risk of fungicide resistance. 45 day PHI. Hold water 14 days.
	<b><u>CHLOROTHALONILS</u></b>		
	Bravo Ultrex	3.8-6 lb	ALL formulations are Zone II restricted 50 day PHI.
	Bravo Weather Stik	4-6.5 pt	
	Chloronil 720, Initiate 720	4-6.5 pt	Maximum 3 apps.
	Chlorothalonil 720 SC	4-6.5 pt	12-hour REI.
<b>Fruit rot (start early to mid-bloom)</b>	Echo 720	4-7 pt	DO NOT add spreader-sticker.
	Echo 90 DF	3.25-5.75 lb	Do not mix with Dipel.
	Equus DF	3.8-6 lb	
	Equus 720 SST	4-6.5 pt	
	Equus 500 ZN, Initiate ZN	5.75-9.25 pt	
		Ferbam Granuflo	6 lb
	<b><u>MANCOZEBS</u></b>		
	Dithane F-45 Rainshield	2.4-4.8 qt	30 day PHI. 24-hour REI.
	Dithane M-45. Koverall	3-6 lb	Spray adjuvants should be added to maximize efficacy.
	ManKocide	7 lb	Personal Protective Equipment requirements may vary.
	Manzate Flowable, Manzate Max	2.4-4.8 qt	Always check the label for specific instructions.
	Manzate Pro-Stick	3-6 lb	
	Penncozeb 75DF	3-6 lb	
	Penncozeb 80WP	3-6 lb	
	Roper DF Rainshield	3-6 lb	
	<b><u>COPPERS</u></b>		
	Cuprofix Ultra 40 Disperss	5 lb	Maximum 3 apps per season for most products. Check label for specific instructions. No PHI unless noted on label.
	Top Cop with Sulfur	2 qt	
	Badge X2	3.5 lb	
	Badge SC	7 pt	
	Champ DP Dry Prill	5.6 lb	
	Champ Formula 2 Flowable	5.33 pt	
<b>Fruit rot (start mid-late bloom)</b>	Champ WG	4.2 lb	
	Copper-Count-N	4-8 qt	All 48-hour REI
	Kentan DF	4-5.25 lb	Except:
	Kocide 2000	6 lb	24- hour for Cuprofix Ultra, Nordox, Top Cop w/ Sulfur
	Kocide 3000	3.5 lb	12-hr for Nordox WG
	MasterCop	3 pt	
	Nordox	8 lb	
	Nordox 75WG	5 lb	
	Nu-Cop HB, Nu-Cop 50 DF	4.2 lb	
	Nu-Cop 3L	4.33-5.67 pt	

SEE OTHER SIDE FOR OTHER DISEASES

