

Ryan's 2017 Chemical Reference Guide

Chemical	Disease/ Insects	Application Rate alone and Frequency of Use	Comments
Banner Maxx	Blackspot, Powdery Mildew	1/3 tsp/gal every 14 days	Can combine with Mancozeb or Daconil for best results
Compass (seldom used)	Blackspot	1/4 tsp/gal every 14 days	Alternate with Banner Maxx
Cleary's 3336	Blackspot, Botrytis	1 tsp/gal every 7 days	Can rotate with Banner Maxx
Daconil Ultrex	Blackspot, Powdery Mildew	1 tsp/gal every 7 days	Lower phototoxic reaction than liquid Daconil.
Mancozeb (Manzate)	Blackspot, Powdery/Downy Mildew	1 Tbsp/gal every 7 days	combine with Banner Maxx every 14 days
E-raise (seldom used)	Powdery Mildew	4 tsp/gal every 7 days	Alternative with Rubigan
Rubigan	Powdery Mildew	1/3 - 1/2 tsp/gal every 14 days	Best for powdery mildew
Stature	Downy Mildew	1 Tbsp/4 gal every 14 days	My choice for Downy Mildew
Paegent	Botrytis	1tsp/gallon	Rotate with Decree
Decree	Botrytis	1 tsp/gal every 14 days	Rotate with Paegent
Aliette	Downy Mildew	1 tsp/gal every 7 days	Very seldom used
Conserve	Thrips	1-2 tsp/gal every 3-4 days	Mist blooms every 3-4 days
Orthene (75% SP) Orthene (9.4%)	Chewing, sucking insects, Thrips	2 tsp/ gal every 7 days 3 Tbsp/gal every 7 days	For thrips, Mist blooms every 3-4 days.
Malathion 50%	Chewing, sucking insects, Thrips	2 tsp/gal every 7 days	Good for aphids, Thrips
Sevin	Chewing, sucking insects	1-3 Tbsp/gal every 7 days	Multi-purpose insecticide
Diazinon	Chewing, sucking insects	2 tsp/gal every 7 days	Use for midge
Mavrik Aquaflo	Beetles, thrips	1/3 tsp/ gal every 7 days	Use sparingly
Akari	Spider mites	1-2 tsp/gallon every 14 days	Combine with Avid for best results.
TetraSan	Spider mites (adults, eggs)	1/2 tsp/gal every 14 days	Least expensive option for mites
Avid	Spider mites	1/3 tsp/gal every 14 days - prevention every 5 days - eradication	Spray undersides of leaves
Hexygon	Spider mites (immature adults/eggs)	1/6 tsp/gal Once or twice/year	Spray undersides of leaves.
Floramite	Spider mites (adults, eggs)	1/4 tsp/gal	Spray undersides of leaves

Note: Daconil, Mancozeb, and Rubigan can be combined with Banner Maxx, Funginex, Immunox, Cleary's, and Compass Insecticides and miticides can be combined with all fungicides listed

Indicate 5 and a sticker spreader are to be put into the water before any other chemical. Don't need much.