

Disease Management Recommendations

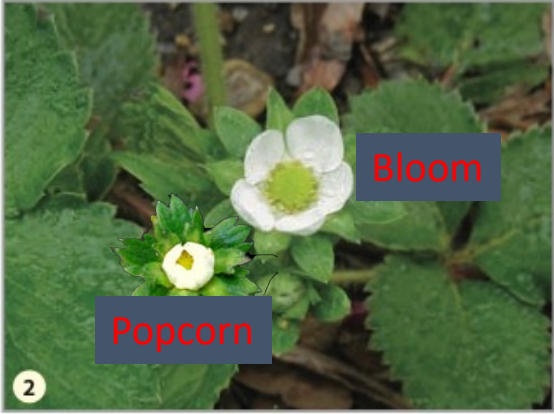
- Disease resistant varieties
- Grow in well-drained soil
- apply straw mulch between the rows to prevent the berries from touching the soil (where many fungi reside) and prevent soil from splashing up onto the berries.
- Begin spray applications early: Anthracnose infection begins as soon as berries are formed
 - Esp. if injured
- Anthracnose fruit rot (AFR) is favored by warm, humid conditions.
- The anthracnose fungus multiplies on leaves without visible symptoms
 - explain its sometimes widespread and sudden appearance in fields.
 - spreads rapidly during rains or frequent irrigation.
 - In cool seasons, AFR appears closer harvest or may not show up at all.

SMALL FRUIT

Strawberry



Prebloom



Early bloom



Full bloom



Post bloom



Harvest

Spray Schedule

- My recommendations begin at pre-bloom with a goal to protect new growth and developing fruit.
- Early Pre-bloom: every 7-10 days (shorter intervals if rain exceeds 2")
 - Disease pressures are lower; goal to keep infections from becoming established
 - Captan for anthracnose crown rot, leaf spots/blight (Captevate if you still have it) or Thiram
 - Prophyte and/or Ridomil for Phytophthora
- Late Pre-bloom to early Bloom: every 7-10 days (shorter intervals if rain exceeds 2")
 - Disease pressures are beginning to increase for AFR and Botrytis

Freeze Damage = Blossom Damage= Disease





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PreBloom—Early Bloom

- 1st Merivon/Luna Sensation/Pristine Application FRAC 7+11
- Rotate with Elevate (FRAC 17) for just botrytis + captan
- Rotate with PhD (FRAC 19) for ACR/AFR and Botrytis+ captan
- OR 'homemade' 7+11
- Intuity or Aftershock (FRAC 11) Tank Mix or Rotate with Fontelis/Luna Privilege/Kenja (FRAC 7) for Botrytis

- Miravis Prime FRAC 7+12
- Rotate with Elevate (FRAC 17) for just botrytis + captan
- Rotate with PhD (FRAC 19) for ACR/AFR and Botrytis+ captan

Bloom

- Bloom: Switch (FRAC 9+12) if you used FRAC 7+11!
 - Late Bloom: Rovral (FRAC 2) for Botrytis KO—with only 1 application this is its best use
- Rotate to 7+11 option
 - Late Bloom: Rovral (FRAC 2) for Botrytis KO—with only 1 application this is its best use

Table 9-5. Fungicide recommendations from post-bloom through harvest

- 2nd Merivon/Luna
Sensation/Pristine Application
FRAC 7+11
 - Rotate with Elevate (FRAC 17) for just botrytis + captan
 - Rotate with PhD (FRAC 19) for ACR/AFR and Botrytis+ captan
- Followed by Switch (FRAC 9+12)
- Miravis Prime FRAC 7+12
 - Rotate with Elevate (FRAC 17) for just botrytis + captan
 - Rotate with PhD (FRAC 19) for ACR/AFR and Botrytis+ captan

Switch or rotate in to FRAC 3 if leaf spots become a problem Mettle, Rally, Tilt

Strawberry Post-harvest and New Plantings

Table 9-7. Post-harvest disease management¹

Product and formulation Active ingredient	FRAC code ²	anthracnose crown	leaf blight Phomopsis	leaf scorch (Diplocarpon)	leaf spot (Mycosphaerella)	powdery mildew	red stele (Phytophthora)	REI ³ PHI ⁴	Max amt ⁵ Max app ⁶
Aliette WDG	33	x	x	x	x	x	2.5-5 lb	12h	NA
aluminum tris		x	x	x	x	x	E	1d	30 lb
Captan (80WDG)	M	1.8-3.75 lb	1.8-3.75 lb	1.8-3.75 lb	1.8-3.75 lb	x	x	24h	NA
captan		E	G	G	G	x	x	0d	30 lb
Cuproxat FL	M	x	2.5-5 pt	2.5-5 pt	2.5-5 pt	x	x	48h	NA
tribasic copper sulfate		x	F	F	F	x	x	NA	NA
ProBlad Verde	M12	x	x	x	x	20.5-24.4 fl oz	x	4h	5
Banda de Lupinus alba doce		x	x	x	x	F	x	1d	NA
Nordox 75G	M	x	1.25-2.5 lb	1.25-2.5 lb	1.25-2.5 lb	x	x	12h	3
cuprous oxide		x	F	F	F	x	x	NA	15 lb
Orondis Gold	49+4	x	x	x	x	x	20-62 fl oz drench; 7-13.9 fl oz foliar	48h	124 fl oz
oxathiapipralin+ mefenoxam		x	x	x	x	x	E	28d	2
Phostrol	33	x	x	x	x	x	2.5-5 pt	4h	NA
phosphorous acid		x	x	x	x	x	G	NA	NA
Prophyte	33	x	x	x	x	x	2-4 pt	4h	varies
phosphorous acid		x	x	x	x	x	G	NA	4
Thiram (65WP), Thiram Granuflow	M	4.4 lb	x	x	x	4.4 lb	x	24h	12
thiram		F	x	x	x	G	x	1d	NA