

Black Ankle Vineyards spray schedule for the “Average Year”

April 15 th	Bud Break
May 10 th	1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
May 20 th	1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
May 30 th	Elite 4 oz + 1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
June 13 th	Pristine 8.75 oz + 1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
June 27 th	Elite 4 oz + 1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
July 10 th	1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
July 20 th	1 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
July 30 th	1.25 lb Kocide 3000 + 2.7 lb Microthiol Sulfur
August 10 th	1.25 lb Kocide 3000 + 2.7 lb Microthiol Sulfur

Cane-pruned vinifera means very little phomopsis, no need to spray for it

Downy and powdery don't typically appear until 10" shoot growth, so no sprays before then

No rot sprays – leaf pulling for sun and wind exposure, cane pruning, and no bunches touching another bunch

Total copper use is just under 3 lbs per acre per year (9.5 lbs of Kocide which is 30% copper)

Elite and Pristine are assumed to work for Black Rot only – always use sulfur to protect against

Powdery resistance

Historic Downy pressure is highest in Late July – August

Always watch the weather, and stretch or shrink the intervals as needed

For copper/sulfur, reduce the remaining interval by ½ after 1 inch of rain, re-spray immediately after 2 inches

Stretch out intervals if there is no rain and no dew

August 20-Sept 15th Scout for Downy; use Phos Acid if present; use Oxidate on Powdery if present

After September 15th keep scouting for downy, but powdery no longer a problem

Don't spray copper on white grapes after veraison, turn nozzles to canopy only

Don't use sulfur after Veraison

In Reserve – Phosphorous acid – safe for late season Downy

Can substitute Phosphorous Acid product for copper in some sprays (not Organic, but in some ways better and gentler than copper), but will not work long under high pressure

This minimal spray schedule demands great canopy management! 1-1.5 leaf layers

Sun and wind are the two best fungicides!