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VANDERBILT *Minerals*

Crop Protection Pesticide Formulations No. 921

Table 1. Flowable Concentrate from Pre-Milled Active

Sulfur Flowable (6 lbs/gal), No. 616		Wt. %
A	VAN GEL[®] SX Magnesium Aluminum Silicate	0.30
	Water	28.55
B	DARVAN[®] 670 Dispersant	2.50
	Propylene Glycol	9.50
	Surfynol [®] CT-211 ¹	0.10
	Kathon [®] CG/ICP II ²	0.15
C	Yellow Jacket [®] Wettable Sulfur, 90.0% min. ³	58.90
Procedure: Using a Cowles Disperser or equivalent mixer, sift the VAN GEL SX into an established vortex in the water. Mix until fully hydrated. Slowly add the DARVAN 670 and mix until thoroughly dissolved. Then, add the rest of Part B ingredients and mix completely after each. Slowly add the sulfur, Part C, increasing the mixer speed as needed. Mix until thoroughly dispersed.		
Viscosity, cps*		
	1 Day	1290
	1 Month	1390
	3 Months	2050
Stability, 3 months		
	Gelation, 4/20/50°C	none
	Bleed, 4/20/50°C	very slight/very slight/trace
	Packing, 4/20/50°C	none
	Freeze/Thaw, 3 cycles	passed
	Bloom	passed
	pH	6.7
	Density, lbs/gal	11.5

*Brookfield at 60 rpm

¹Air Products and Chemicals, Inc., Allentown, PA

²Dow Chemical, Midland, MI

³Georgia Gulf Sulfur Corporation, Valdosta, Georgia

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