

Field Fire Early Spotting Physiological Leaf Breakdown

- Usually not related to any disease
 - No fungicide will improve condition
- Some varieties more susceptible than others
 - KT varieties: D6, D4, D8
- Speculation that early spotting is due to copper deficiency in leaf.
- Foliar applications of copper sulfate (CuproFix) tested in Bumpus Mills, TN (Stewart Co.) in 2009
 - Foliar applications made 2-3 wks after topping



Cuprofix Ultra 40D

- Used as a fungicide/bactericide
- 71.1% copper sulfate
- Registered for use in many vegetable crops
 - Tomatoes: 1.25 to 3.0 lbs/A
- **NOT CURRENTLY REGISTERED FOR TOBACCO**

Effect of Cuprofix and Quadris on Field Fire of Dark Tobacco

2009 - Wright Farm – Bumpus Mills, TN

Trt #	Treatment	Rate/A	% Field Fire Spotting Preharvest (4 wks after application)
1	Untreated Check	0	6.75 a
2	Cuprofix Ultra 40D	1.5 lb/A	10.0 a
3	Cuprofix Ultra 40D	3.0 lb/A	7.50 a
4	Quadris	12 oz/A	7.00 a
	LSD _{0.05}		3.37

Plots treated on August 24, full coverage boom (5 nozzles/row) high pressure, 60 gal/A.
Rated on September 21 (4 wks after application)