

Can I Chemigate?



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Chemigation Amounts



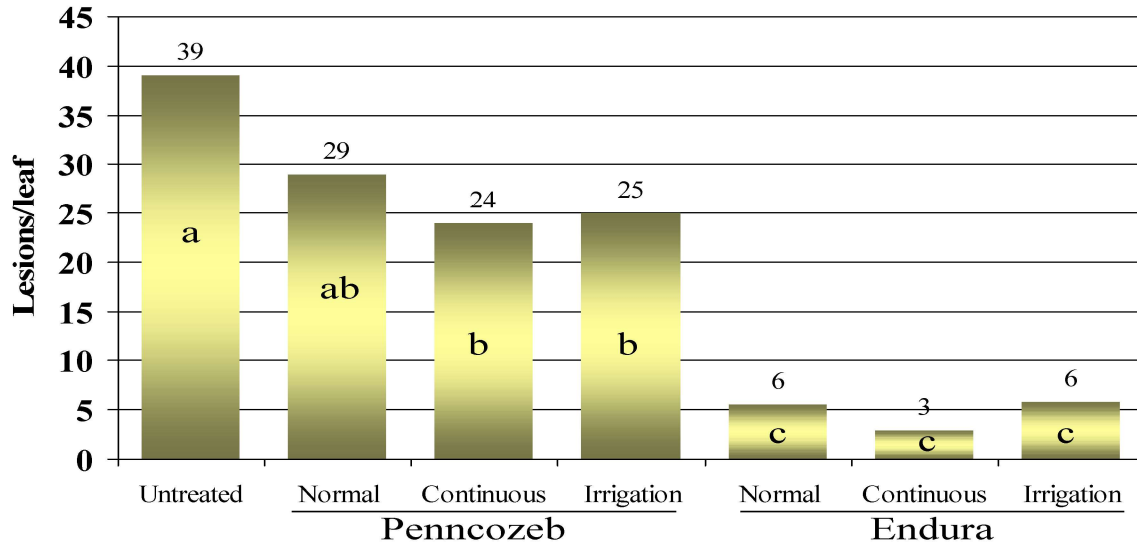


Chemigation Methods (2003)

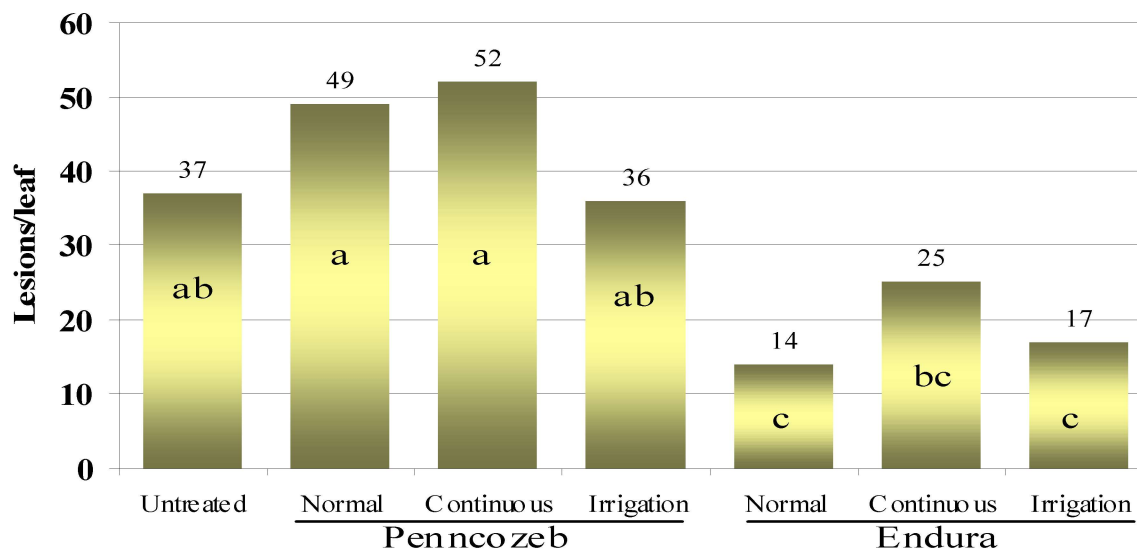
- 1- Normal (Traditional) – Fastest revolution (100% pivot rev)
 - ~0.15 inches (~4100 gal/acre)
- 2- Continuous Chemigation – Over a week period
 - Three 2-day revolutions, 1/3 labeled rate per revolution
- 3- Irrigation Chemigation – 2-2.5 day revolution
 - ~0.75 in (~20,000 gal/acre)



Early Blight Control: 18 August 2003 (moderate disease pressure)



White Mold Control: 19 August 2003 (moderate disease pressure)



Conclusions

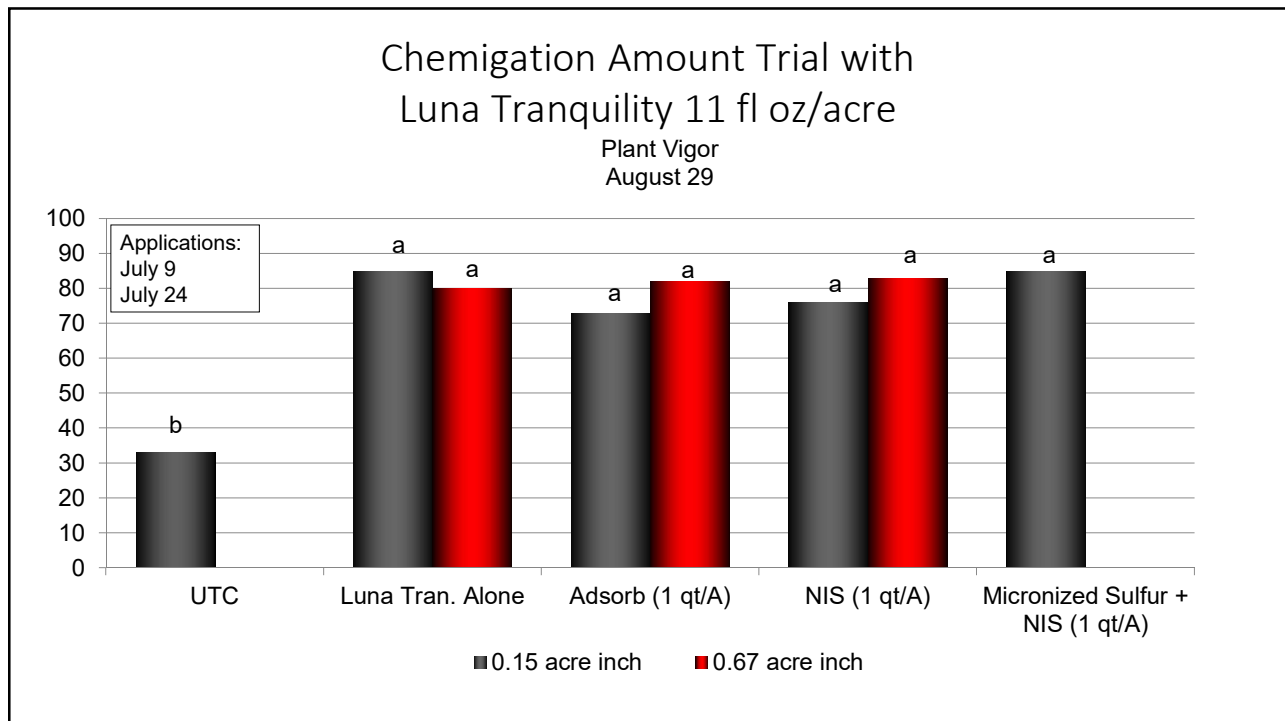
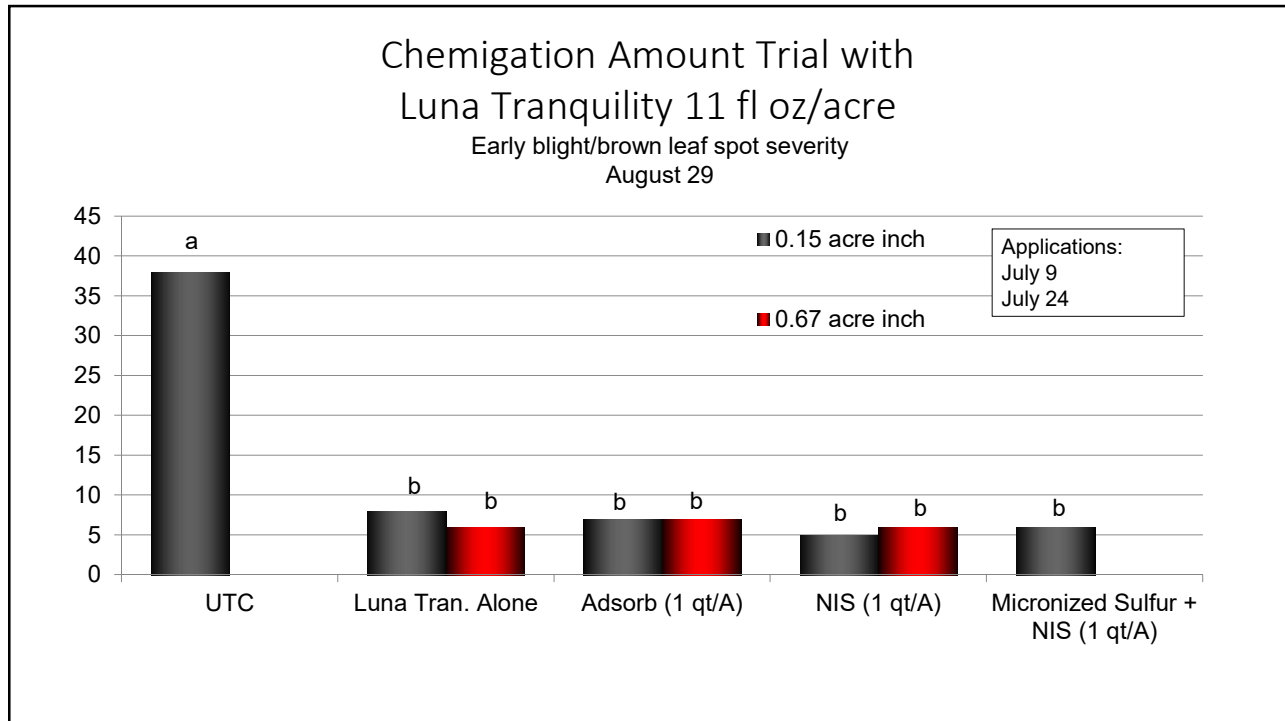
- All three chemigation methods work well with the products tested
- The exception was continuous chemigation of Endura for white mold control.

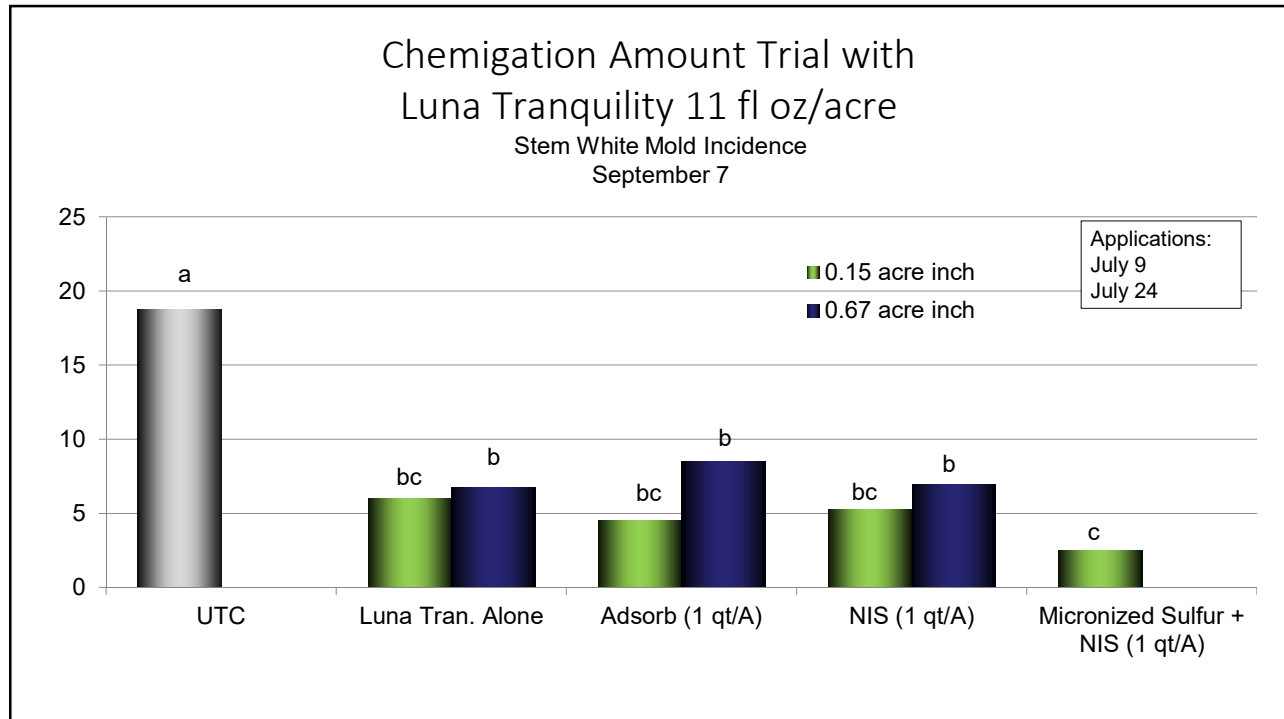


2012 Luna Tranquility Chemigation Volume Trial

- Western Russet
- Applications made using two volumes; 0.15 and 0.67 acre/inch
- 2 applications: July 9 and 24
- Luna Tranquility with adjuvants

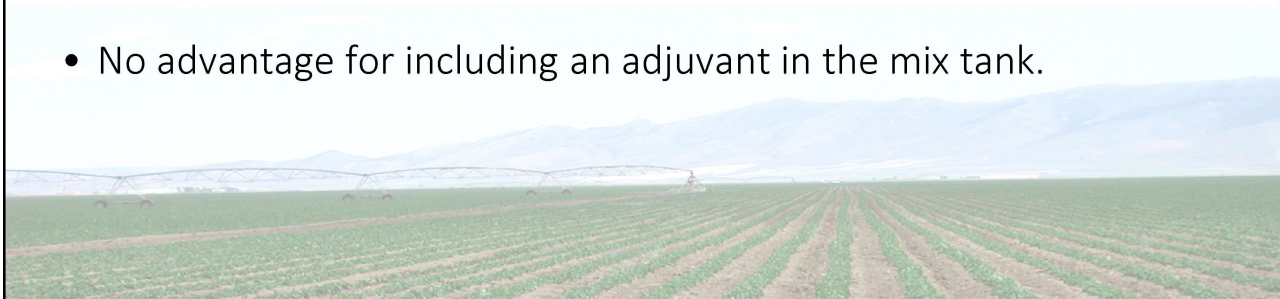




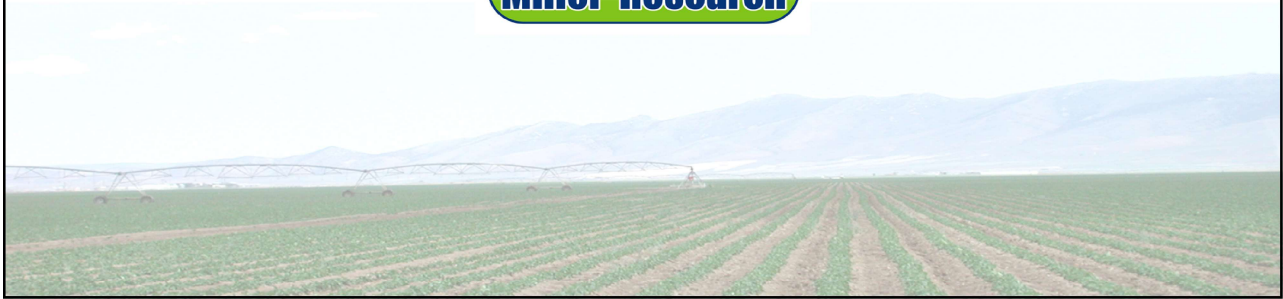


Summary – Chemigation Water Volume Applied

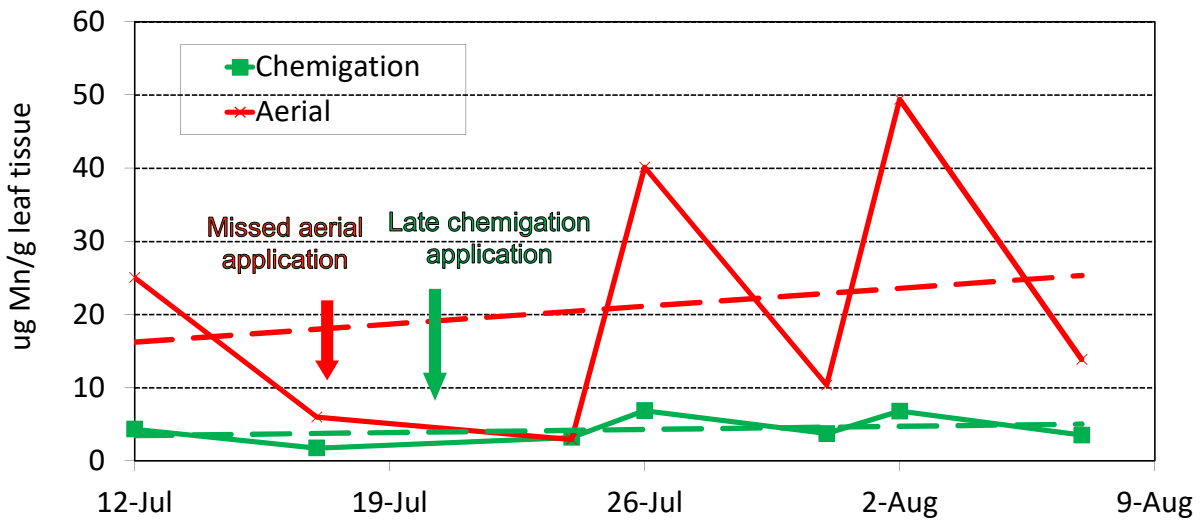
- No significant differences in early blight, or white mold control when using 0.15 inches vs. 0.67 inches of water.
- For white mold, less water (0.15”) had more effective control.
- No advantage for including an adjuvant in the mix tank.

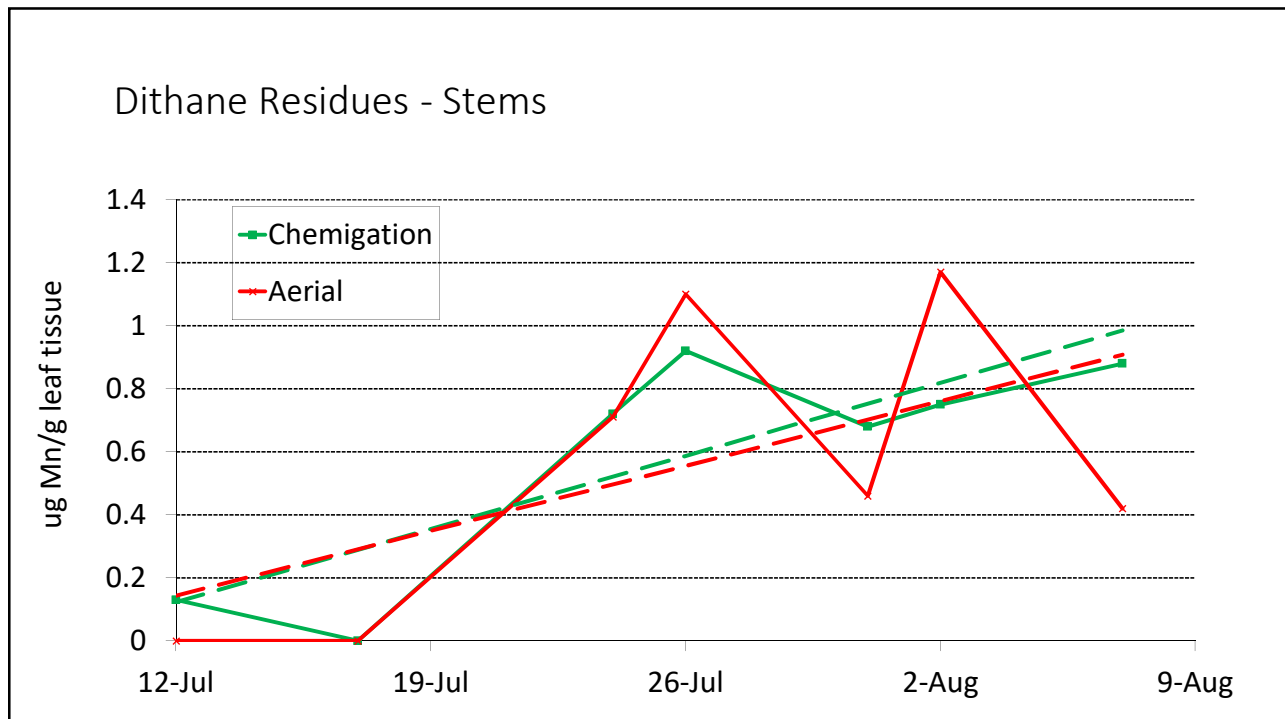
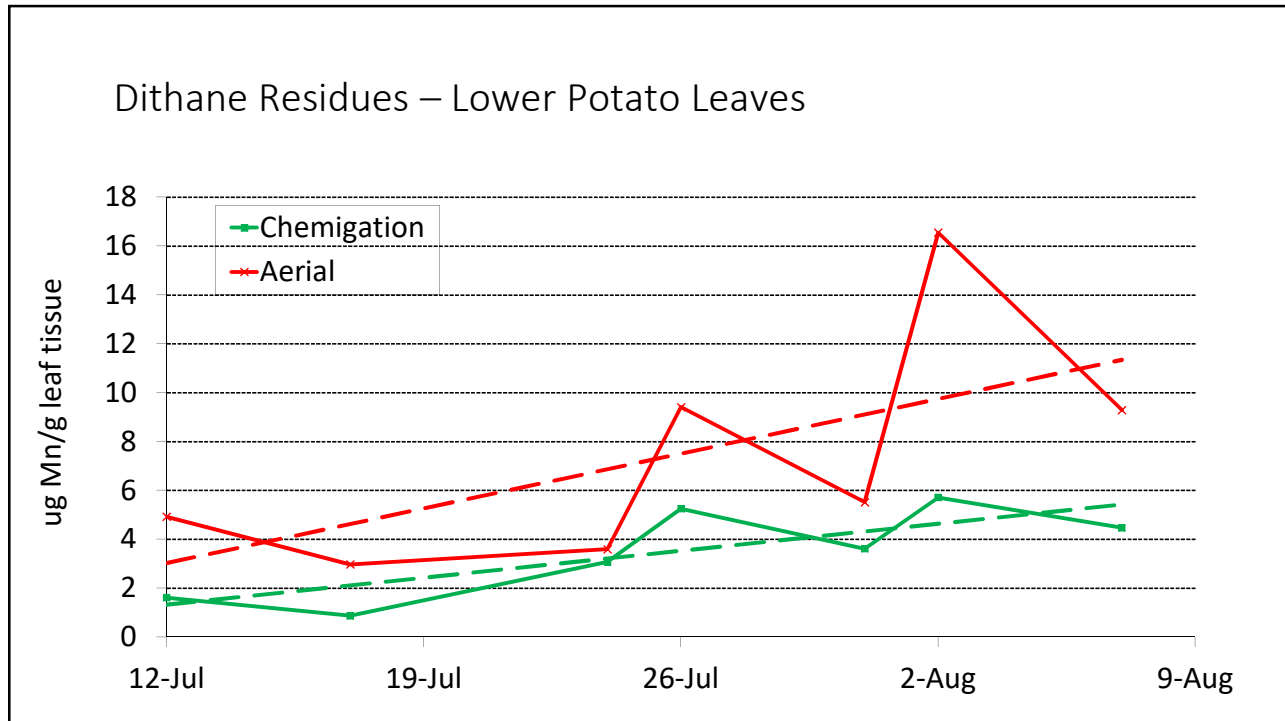


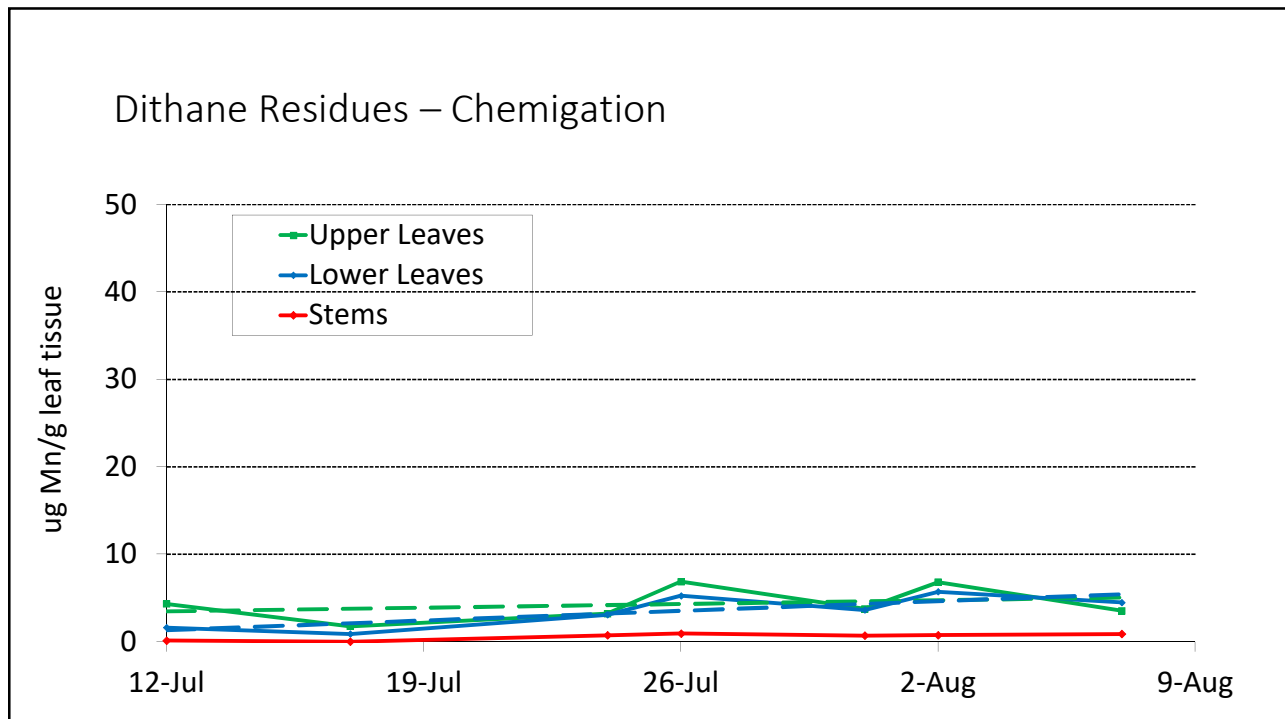
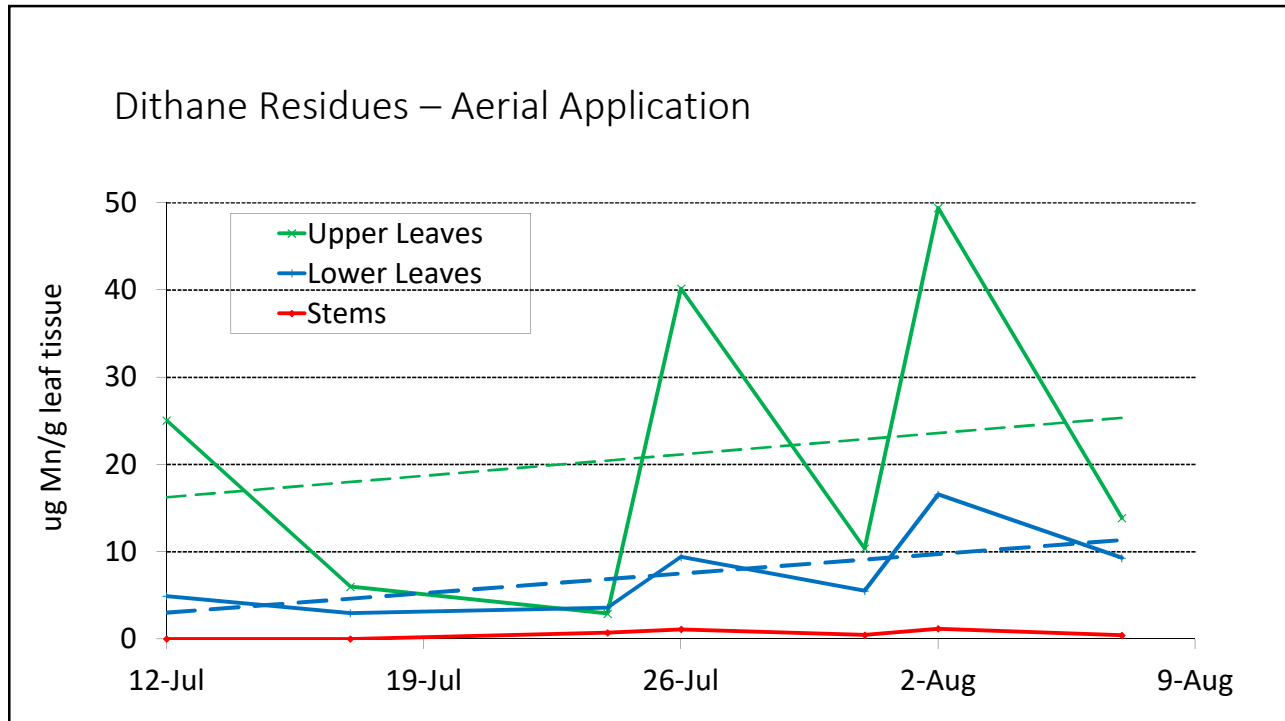
Application Method

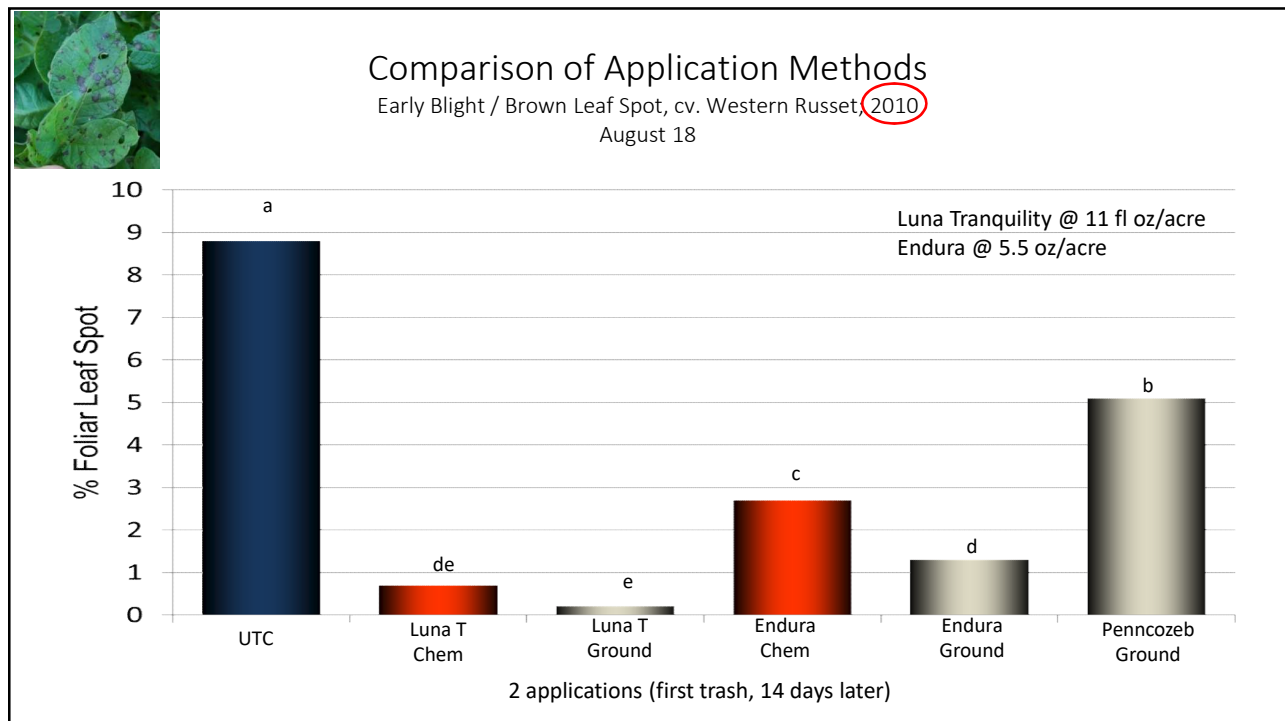
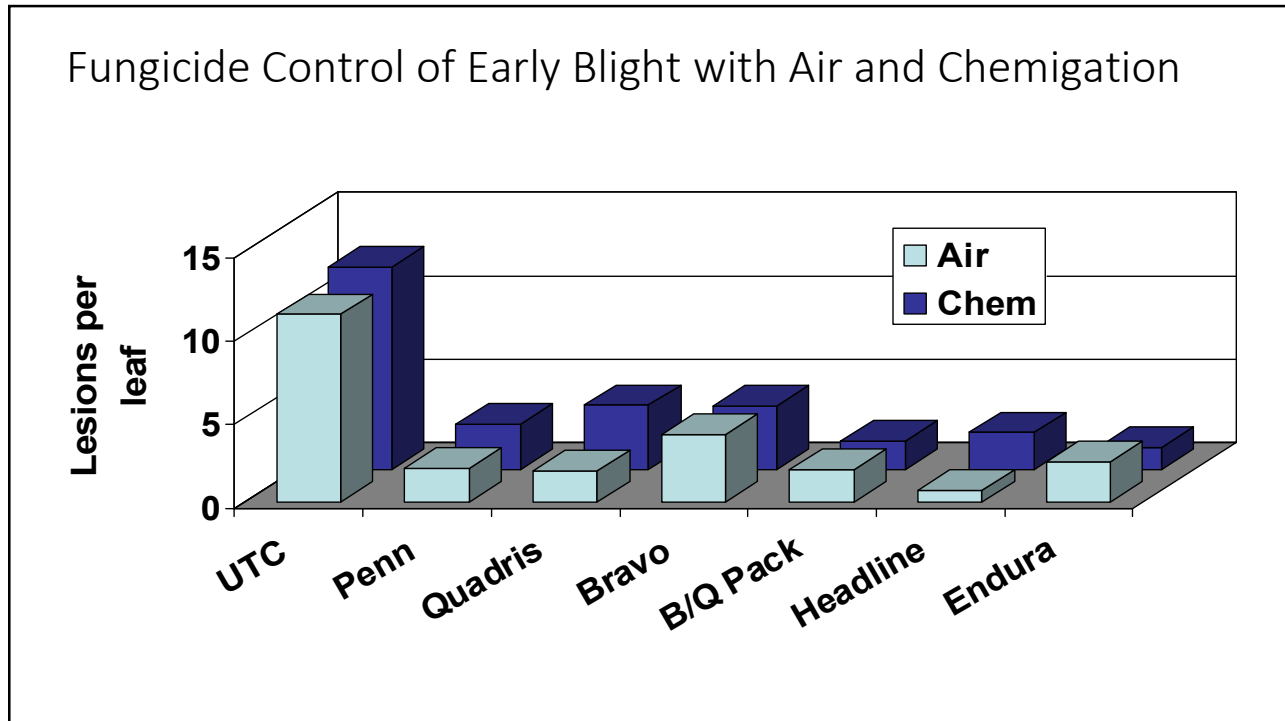


Dithane Residues - Upper Potato Leaves





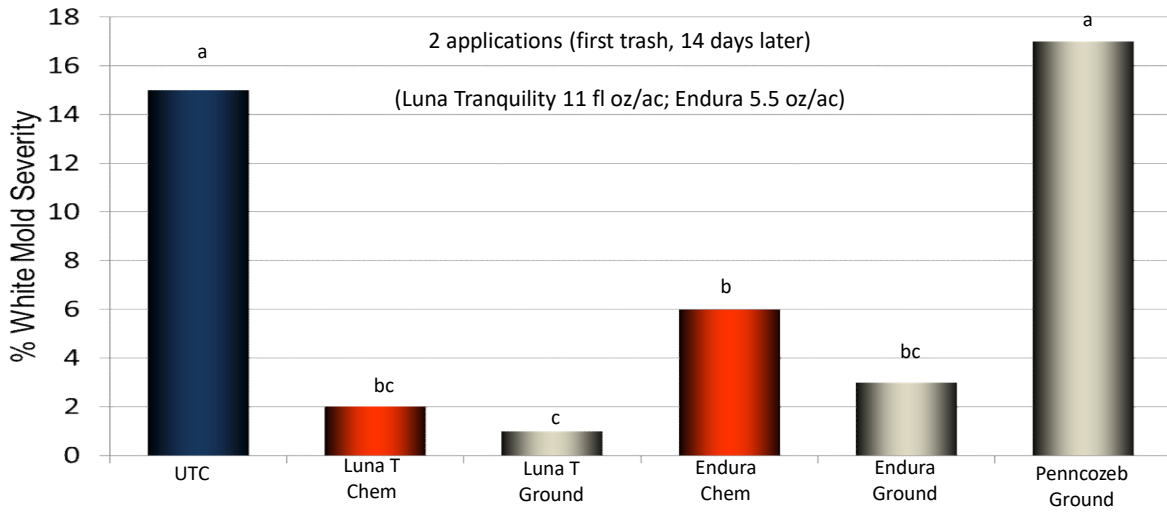






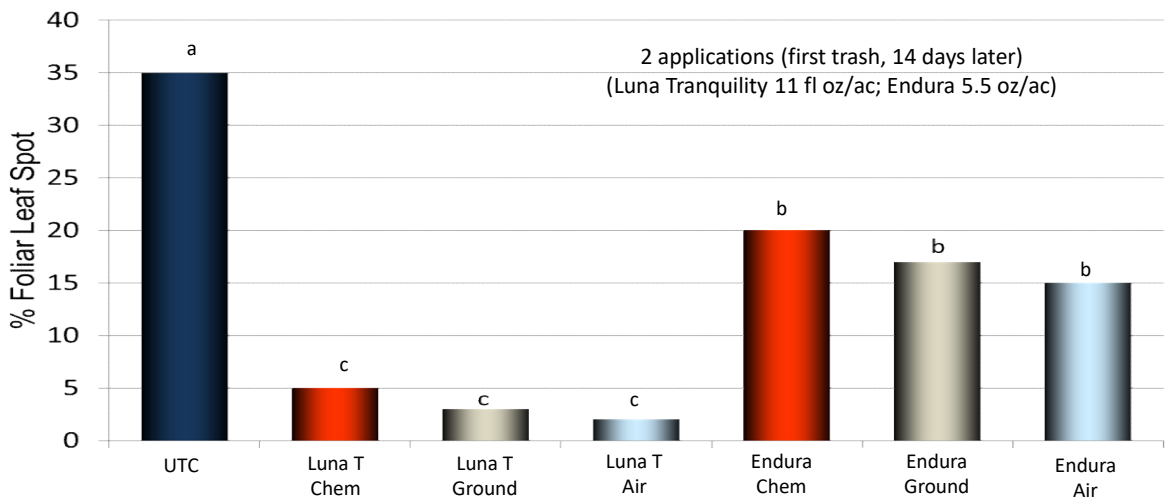
Comparison of Application Methods

White Mold Severity, cv. Western Russet; 2010
August 18



Comparison of Application Methods

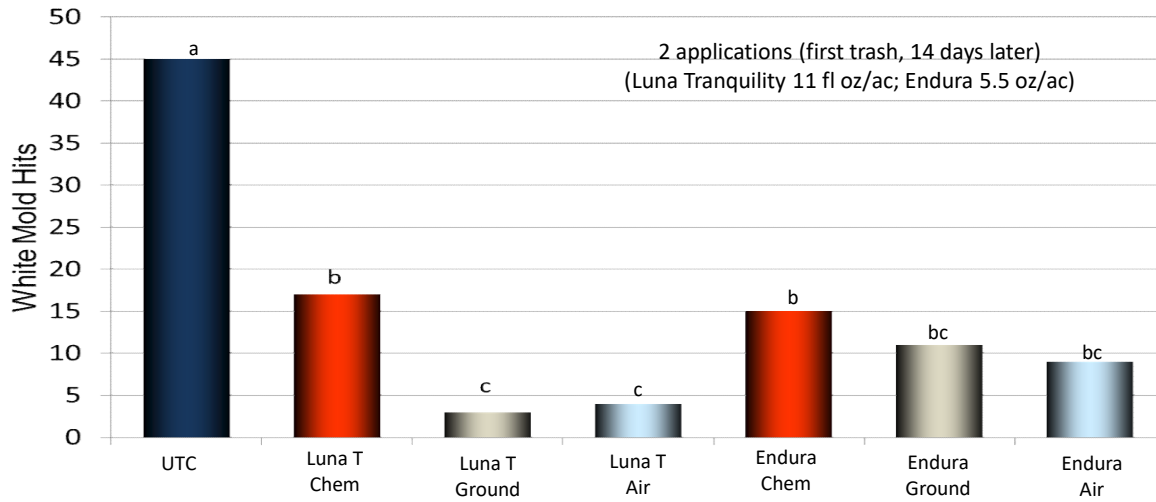
Early Blight / Brown Leaf Spot, cv. Western Russet; 2011
September 7



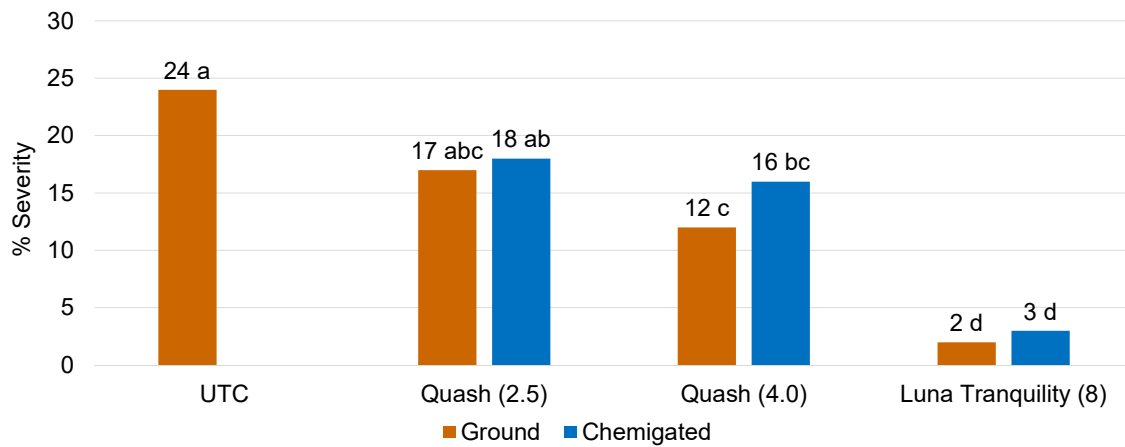


Comparison of Application Methods

White Mold Incidence, cv. Western Russet; 2011
September 7



Effect of Fungicides on Foliar Disease, 2012



Summary – Application Type

- All three application methods (ground , air and chemigation) are effective in controlling both early blight and white mold.
- In some instances chemigation has provided a lower degree of control compared to ground and aerial applications.
- Both ground and aerial application are equally effective.



Questions?

