

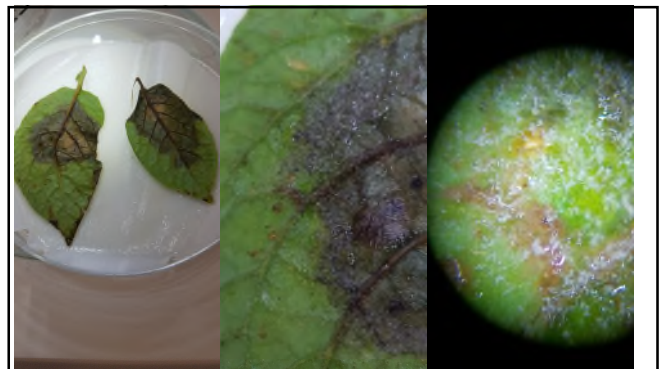
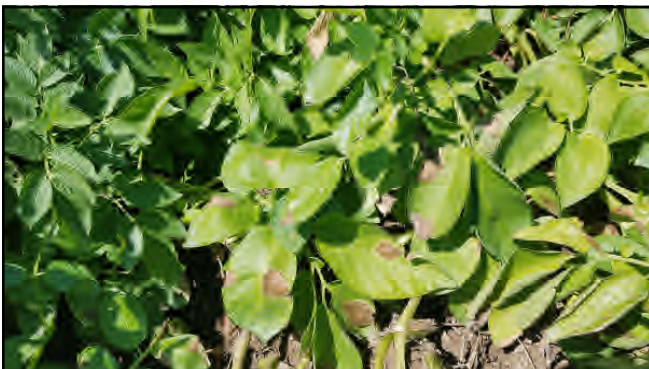
Observations on Late Blight in 2019 and Fungicides for Effective Control



Jeff Miller



Monday, August 19



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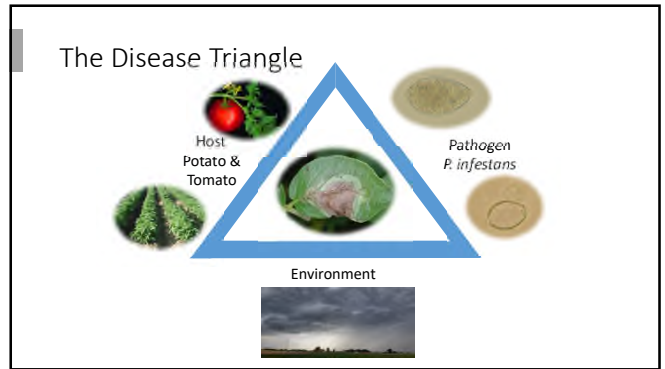
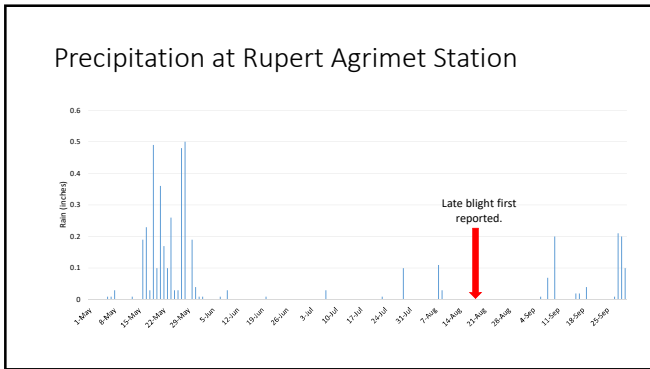


September 3 – 15 days later



Observations from the field

- Four fields had significant late blight.
 - Some shared common seed or common fungicide programs
- Most fields in the area had very little to no observable blight.
- One clean field close to severe field:
 - Mefenoxam 2X, Revus Top 2X



Where did it come from?

- Volunteers or cull piles? – Probably not
- Seed? – Possibly
- Tomatoes? – Possibly

Late Blight Management

1. Destroy cull piles and volunteers (tomatoes?)
2. Know your seed – treat with an effective fungicide
3. Scout fields and watch the weather (disease forecasting)
4. Maintain an effective fungicide program until harvest
5. Ensure vines are dead prior to harvest
6. Apply an effective fungicide as a soil barrier
7. Apply a post-harvest phosphite-based fungicide

Fungicides Effective against Foliar Late Blight

Moderate activity	High activity
• Chlorothalonil	• Curzate/Tanos
• Headline	• Forum
• Mancozeb/metiram	• Gavel/Zing!
• Quadris	• Omega
• Reason	• Orondis
	• Previcur
	• Ranman
	• Revus Top (Revus)
	• Ridomil (Bravo, MZ, Cu)
	• Super Tin
	• Zampro

Use the rate labeled for late blight.

Fungicides NOT Recommended for Foliar Late Blight

Weaker activity	No activity
• Copper-based sprays	• Luna Tranquility
• Phosphorous acid	• Endura
• (Foliar phase)	• (Miravis Prime)
	• (Proyvosol)
	• Biological-based fungicides?

Copper does have activity, but it is weaker than the previously listed fungicides.



Bonnars Ferry, September 7, 2016

Weekly "fungicide" program of a less effective product.

Significant late blight in inoculated drive rows.

Bonnars Ferry, September 7, 2016

Bravo WS Orondis Opti
Rotated every 14 days
4 total apps

Bravo WS Ranman
Rotated every 14 days
4 total apps

Timing is important!

Late July, after the rainstorm

Late July, before the rainstorm

Same program on both sides

Questions?