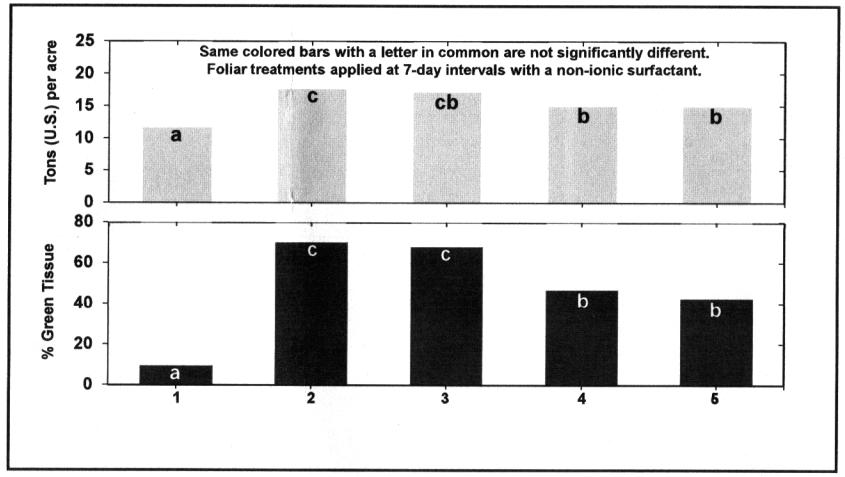

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Preliminary Summary

- **Initiate fungicides programs early; apply by the 5 to 7 leaf stage**
- **Apply fungicides at a 7-day application interval**
- **Apply the more effective products early in the season**

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Questions?

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- **Mike Bosch and Eding Bros Farm**
- **Greg Bird and the Michigan Onion Committee**

Funding: Specialty Crop Block Grant 791AgD8109

Matthew Uebbing **David Perla**

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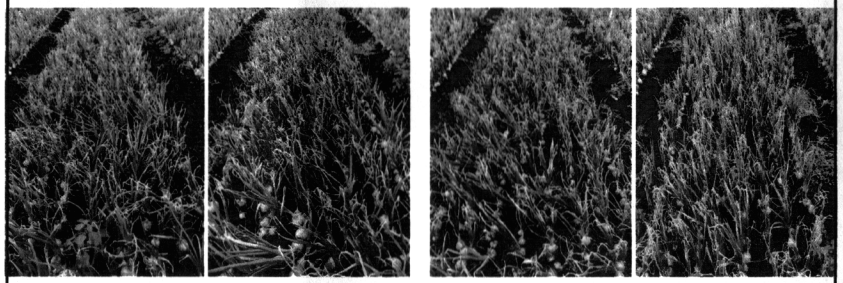

* Photos taken on 8/25

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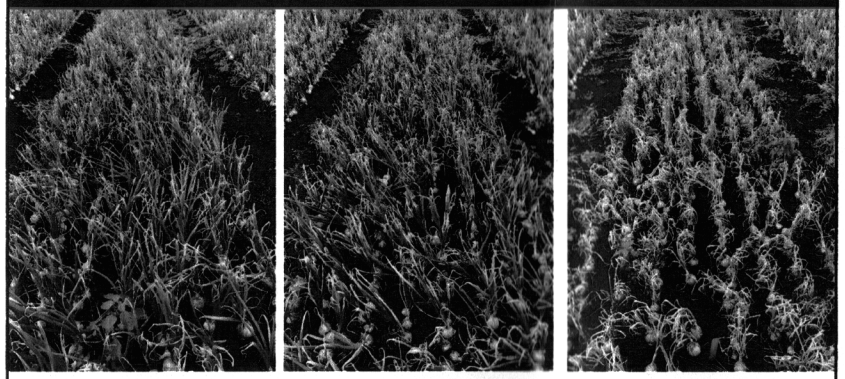

* Photos taken on 8/25

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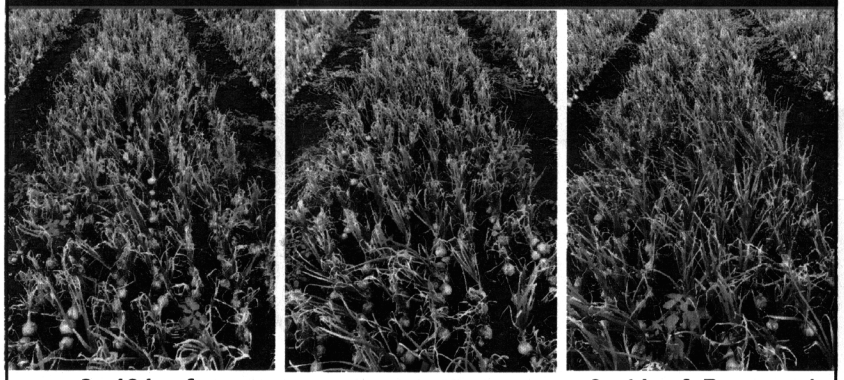

* Photos taken on 8/25

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Fungicide Programs for Stemphylium Leaf Blight

1	2	3	4	5
No Fungicide	Bravo WS	Luna Tranquility	Bravo WS	Bravo WS
	Miravis Prime	Tilt + Bravo WS	Bravo WS	Bravo WS
	Bravo WS	Omega	Bravo WS	Bravo WS
	Miravis Prime	Luna Tranquility	Bravo WS	Bravo WS
	Bravo WS	Tilt + Bravo WS	Luna Tranquility	Miravis Prime
	Miravis Prime	Miravis Prime	Bravo WS	Bravo WS
	Bravo WS	Omega	Luna Tranquility	Miravis Prime
	Bravo WS	Aprovia Top	Bravo WS	Bravo WS
	Bravo WS	Miravis Prime	Luna Tranquility	Miravis Prime

Program 1 from the fungicide timing experiments

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SLB Fungicide Initiation Timings

3 - 4 Leaf on 6/12

12 Fungicide Sprays

5 - 7 Leaf on 6/24

10 Fungicide Sprays

8 - 12 Leaf on 7/14

7 Fungicide Sprays

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Fungicide Programs for Stemphylium Leaf Blight

Program 1			Program 2		
	FRAC	Timing		FRAC	Timing
Luna Tranquility	7/9	adj	Bravo WS	M5	adghj
Tilt SC + Bravo WS	3/M5	be	Tilt SC	3	be
Omega 500 F	29	cg	Luna Tranquility	7/9	ci
Miravis Prime	7/12	fi	Miravis Prime	7/12	f
Aprovia Top	7/3	h			

* All fungicides expect Bravo WS applied with the surfactant SYL-TAC.

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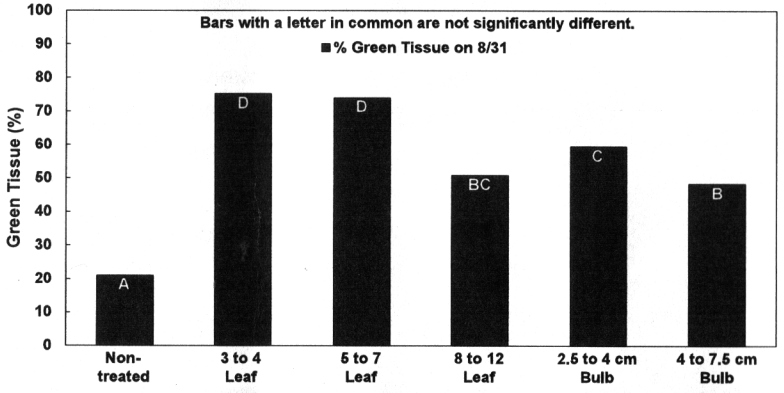
Fungicide Application Intervals



* No differences in green tissue % for final rating between programs for each timing (F = 0.36; *P* = 0.8329).

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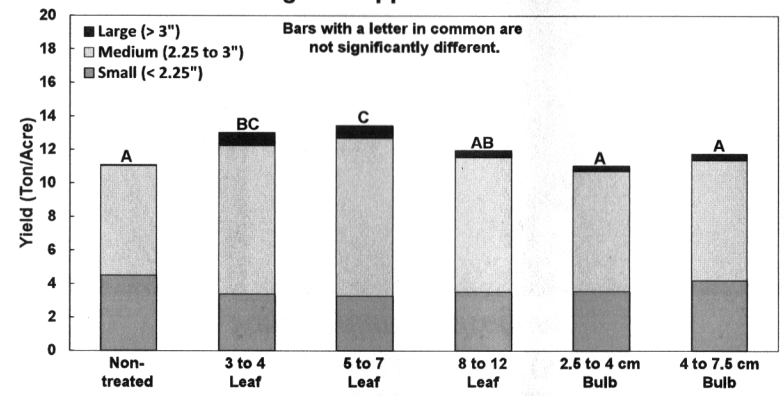
Fungicide Application Intervals



* No differences in yield for between programs for each timing (F = 0.9900; *P* = 0.4271)

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Annual Onion Committee Field Day 2021

Doug Higgins and Mary Hausbeck
Department of Plant, Soil & Microbial Sciences
Michigan State University

1

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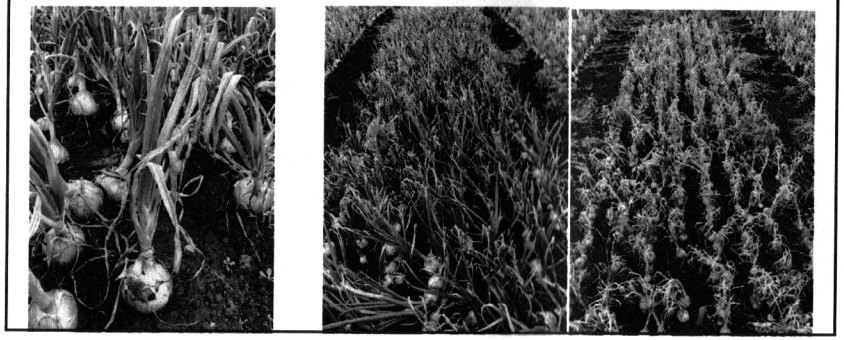
Stemphylium Leaf Blight (SLB)
Stemphylium vesicarium



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Objectives:

1. Develop strategies that maximize fungicide applications.
2. Test a Stemphylium disease forecaster as a tool to time fungicide sprays.

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Field Experiments

- **'Bradley' sown on April 3rd**
  - **Raised bed 5' wide**
  - **8 rows per bed**
- **Randomized complete block design**
  - **Four replications**
- **Fungicides Applications**
  - **7-Day Broadcast; CO2 Backpack sprayer**
  - **50 gal/a; 30-36 psi**
- **Thrips Control**
  - **Movento, Radient, Minecto Pro, Lannate + Warrior**

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