

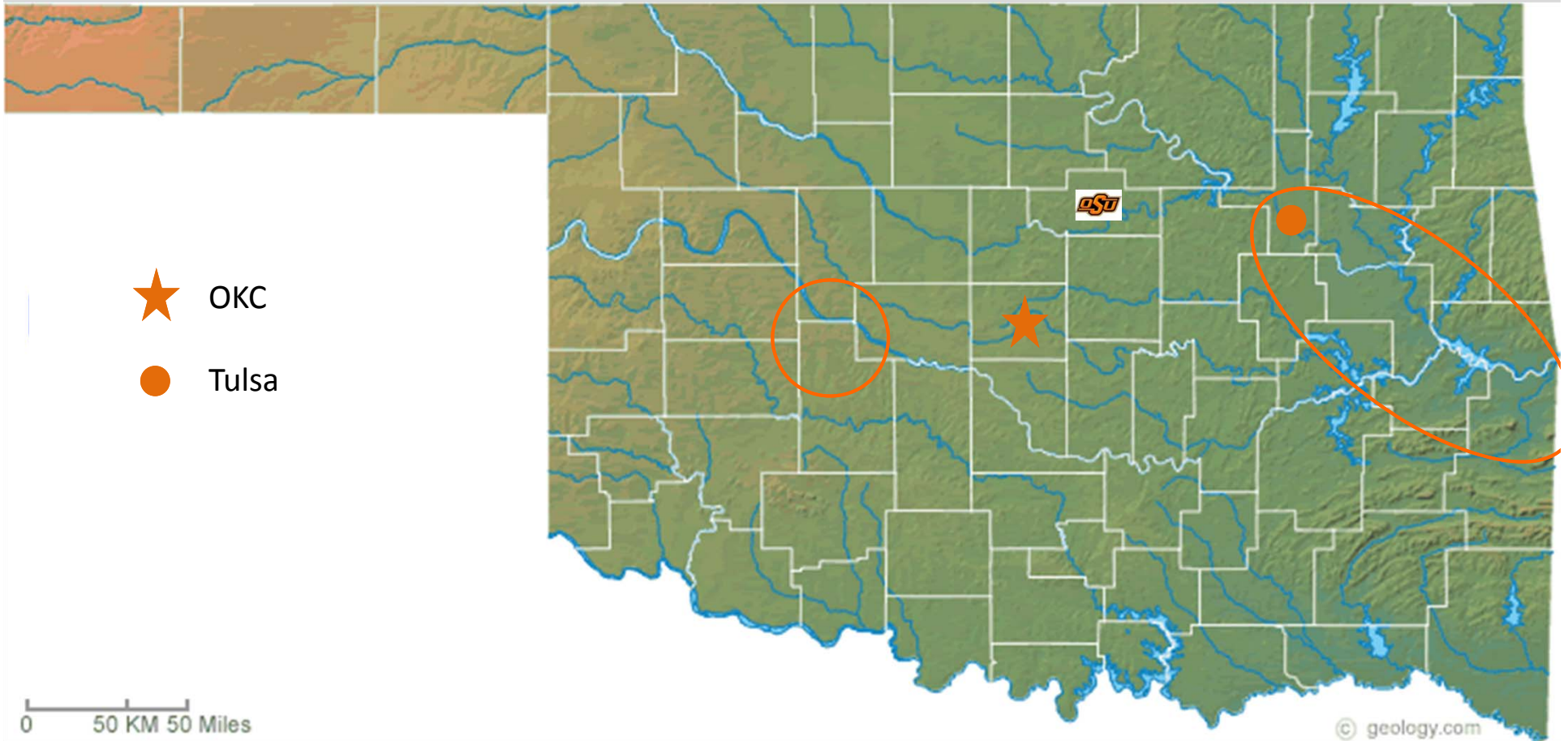
Biology and Management of Spinach Anthracnose

John Damicone, Tyler Pierson, Lucas Pierce,
Wesley Scruggs



Entomology and Plant Pathology

Oklahoma Spinach Production







Management of White Rust

- Partially resistant varieties (UofA)
- Fungicide programs

FRAC Group	Fungicide
11	azoxystrobin (Quadris)
	pyraclostrobin (Cabrio)
	fenamidone (Reason)
43	fluopicolide (Presidio)
4	metalaxyl (Ridomil/Copper)
21	cyazofamid (Ranman)
33	fosetyl – AL (Aliette)
	phosphorous acid (various)



WEATHER



SOIL



LIVESTOCK



RANGELAND



CROPS



HORTICULTURE



FORESTRY



MARKETS

Vegetable

► All Vegetables

▼ Spinach

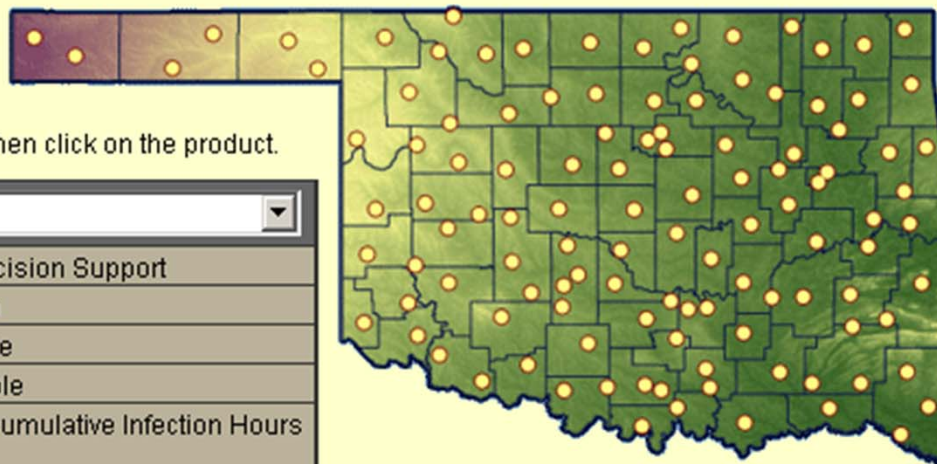
[Spinach White Rust Model](#)
[Contour 3-Day Avg. 2-in Soil](#)
[USDA Market News](#)
[Oklahoma Vegetable Assoc.](#)
[OSU Fact Sheet](#)

► Tomato

► Watermelon



Single Site Products



Select a site then click on the product.

Site:

- Fungicide Decision Support
- 18-Day Graph
- Forecast Table
- Seasonal Table
- Statewide Accumulative Infection Hours Map
- Historical Daily Infection Hours Table
- Historical Daily Infection Hours Graph
- Historical Cumulative Infection Hours Graph

Daily Reference Data

Select a date then click on the product.

- Daily Table of All Mesonet Sites
- View Reference Data

Validation of the Spinach White Rust Advisory Program (7 trials from 1998 to 2005)

Spray program	Applications (no.)	Leaf area w/ rust (%)
7-day	5.6	0.4 b
Advisory	2.6	1.3 b
Check	0.0	33.1 a
LSD (P=0.05)		12.1

Spring and fall cropped susceptible varieties (Kent, Avon, Melody)

Quadris 2.08F at 9.2 fl oz/A (5 trials)

Quadris 9.2 fl oz/A / Aliette 80WG at 3 lb/A (1 trial)

Cabrio 20WG 0.75 lb/A / Ridomil Gold/Copper 65W 2.5 lb/A / Aliette 3 lb/A (1 trial)



