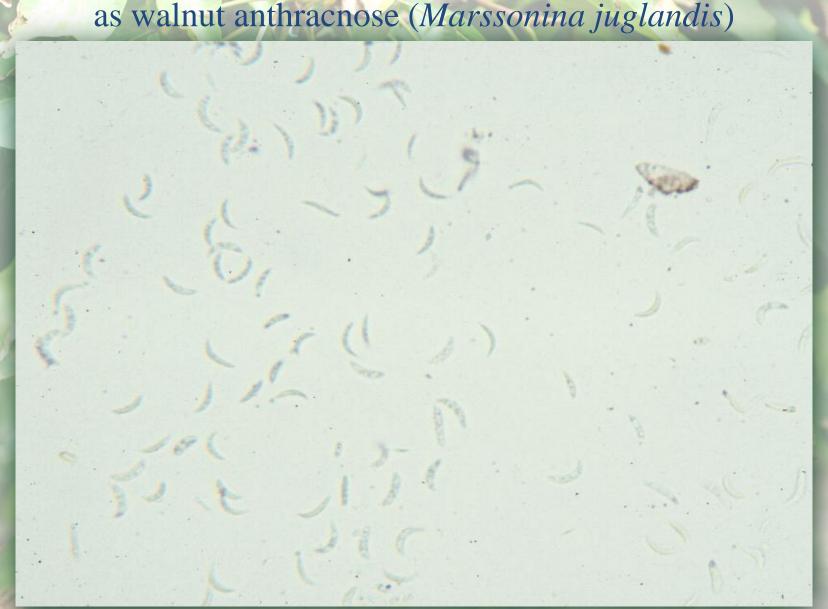
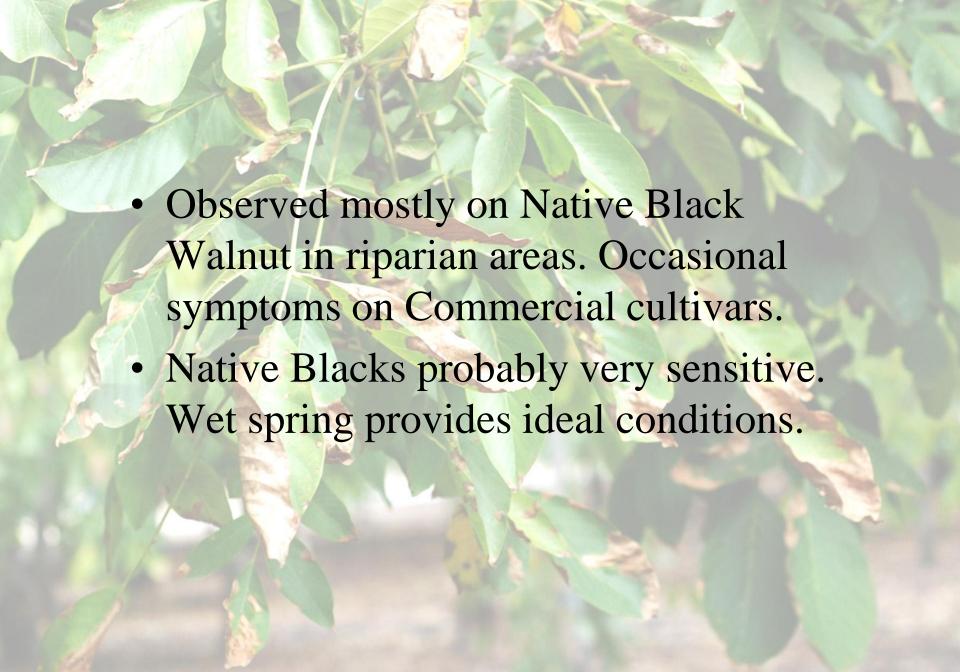


Marssonina juglandis

Looking at the spores Themis has identified the lesions as walnut anthracnose (Marssonina juglandis)





Walnut samples collected from various locations and diagnosed with anthracnose

	Sample ID	Date	Symptoms / Plant part	County	Cultivar with Marssonina juglandis
		8/02/2011	Leaves	Lake	Livermore
	12036	4/27/2012	Leaves	Sutter	Ashley
	12037	5/02/2012	Leaves	Sutter	Chandler
		5/03/2012	Leaves and shoots	San Benito	Serr, Payne
	12050	5/11/2012	Leaves	Sutter	Hartley
	12051	5/11/2012	Leaves	Sutter	Chandler
	12057	5/16/2012	Leaves and shoots	Sutter	Serr
1	12058	5/16/2012	Leaves and shoots	Sutter	Mountner
	12059	5/16/2012	Leaves and shoots	Sutter	Chandler
	12110	7/31/2012	Leaves	Tehama	Black walnut
	12114	8/09/2012	Leaves and fruit	Sutter	Serr
	12118	8/14/2012	Leaves, shoots, and fruit	San Benito	Payne, Serr,
	/	10/24/2012	Leaves and fruit	San Benito	Payne, Serr

Anthracnose Foliar Disease Ratings (by Bill Coates, FA, San Benito Co.)

1= NO DISEASE, 5 = SEVERE DISEASE

		RATING	# OF OBS	
	Serr	4.5	4	
	92-016-1	4.2	5	THE LOCAL SHIPS
	Payne	4.0	1	1
	Hartley	2.7	3	16.
	Chandler	2.4	9	200
	93-045-1	2.3	3	
AVA	Pedro	2.0	1	- CON-
	Howard 2.0		4	
Most	64-57	2.0	3	Least
susceptible	Tulare	1.3	3	susceptible

Serr, Payne > Hartley, Chandler > Howard > Tulare

