

Primary Orchard Production Tehama 2012

Walnut	50%	21,753 Ac	\$103,415,100
Almond	13%	9,396 Ac	\$27,666,500
Prune	13%	8,014 Ac	\$27,606,400
Olive (Tbl & Oil)	18%	9,696 Ac	\$43,325,900
			\$200,000,000

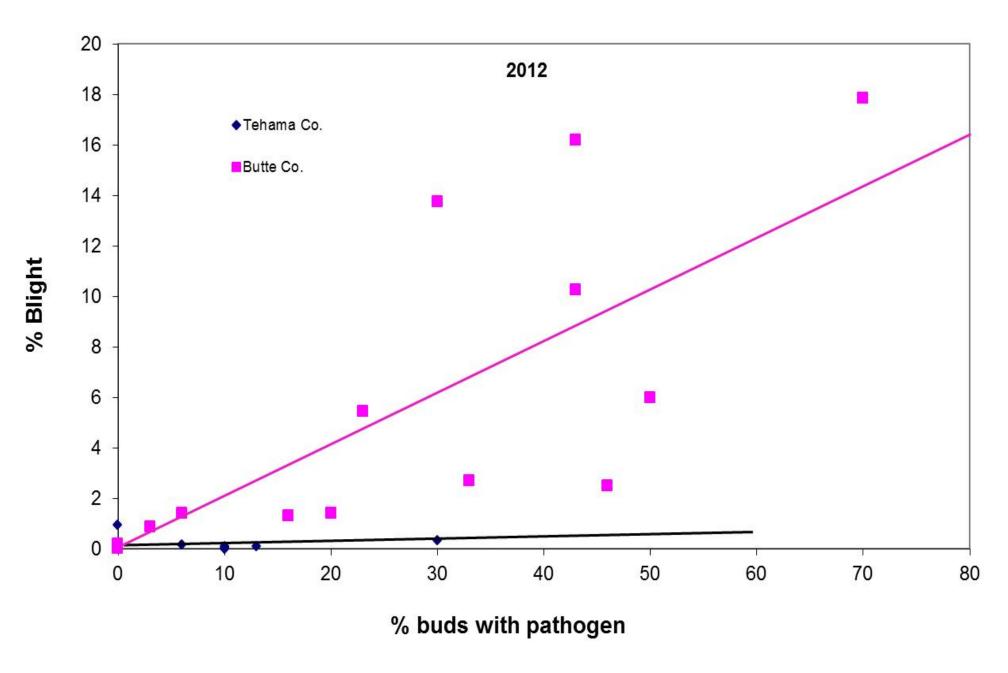
2012 Tehama County Crop Report

Projects to Help Tehama County Orchard Farmers

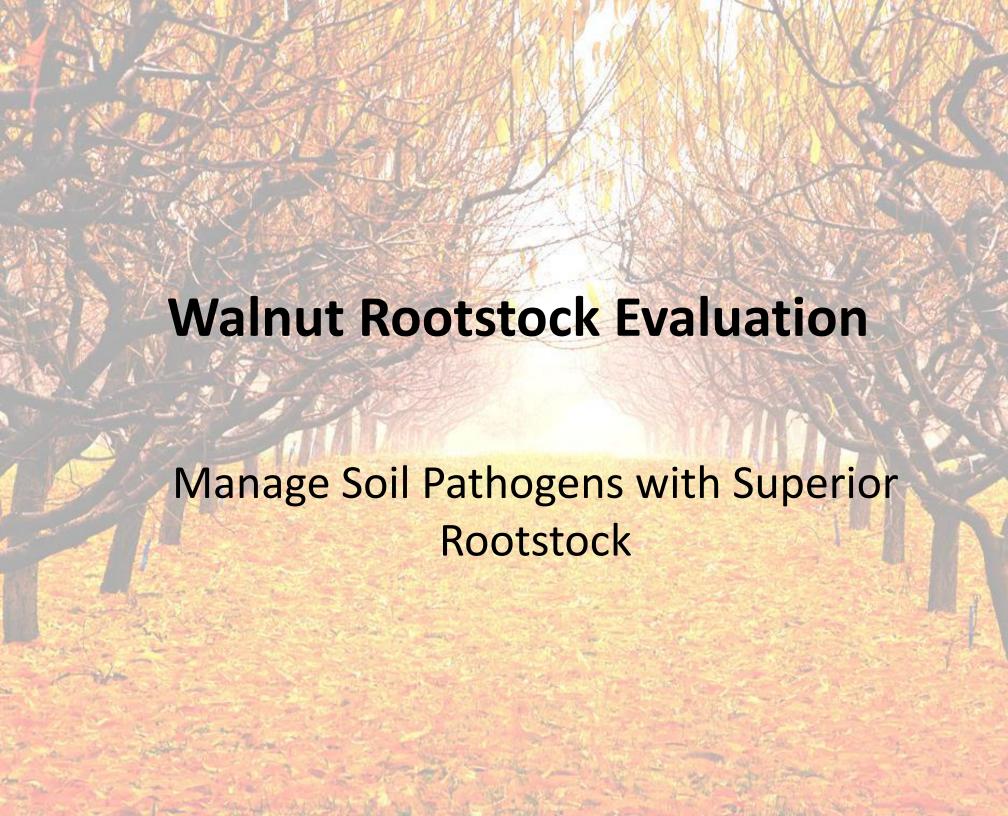
- Walnut Blight
- Walnut Rootstock Evaluation
- Codling Moth Mating Disruption
- Prune Rootstock Evaluation
- Integrated Pest Management
- Newsletters and Grower Meetings to Extend Information

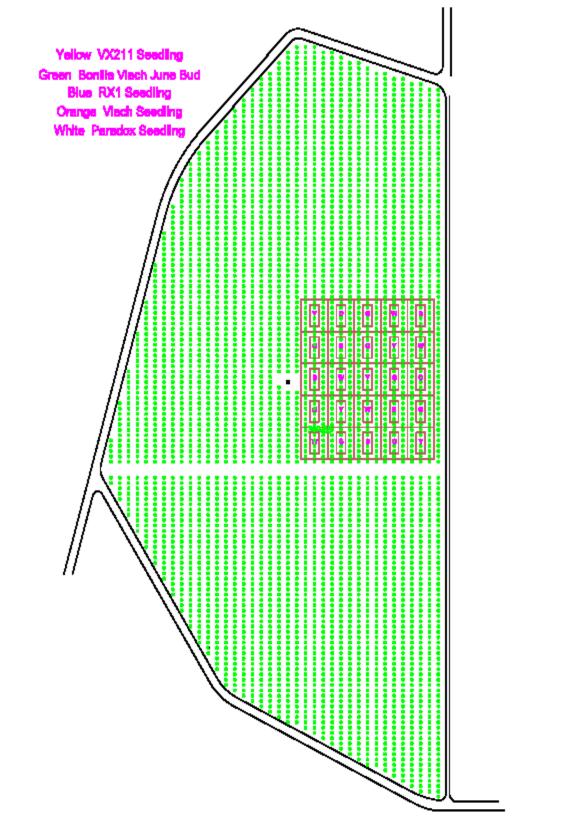
Walnut Blight infestation in Northern California Xanthomonas arboricola pv juglandis





Relationship between the % buds infested with pathogen and the % walnut blight damage for 30 orchards in Butte and Tehama counties for 2012. The lines drawn represent the linear regression Y=0.218x-0.28 ($R^2=0.56$); and Y=0.001x+0.14 ($R^2=0.001$) for orchards in Butte and Tehama counties, respectively.



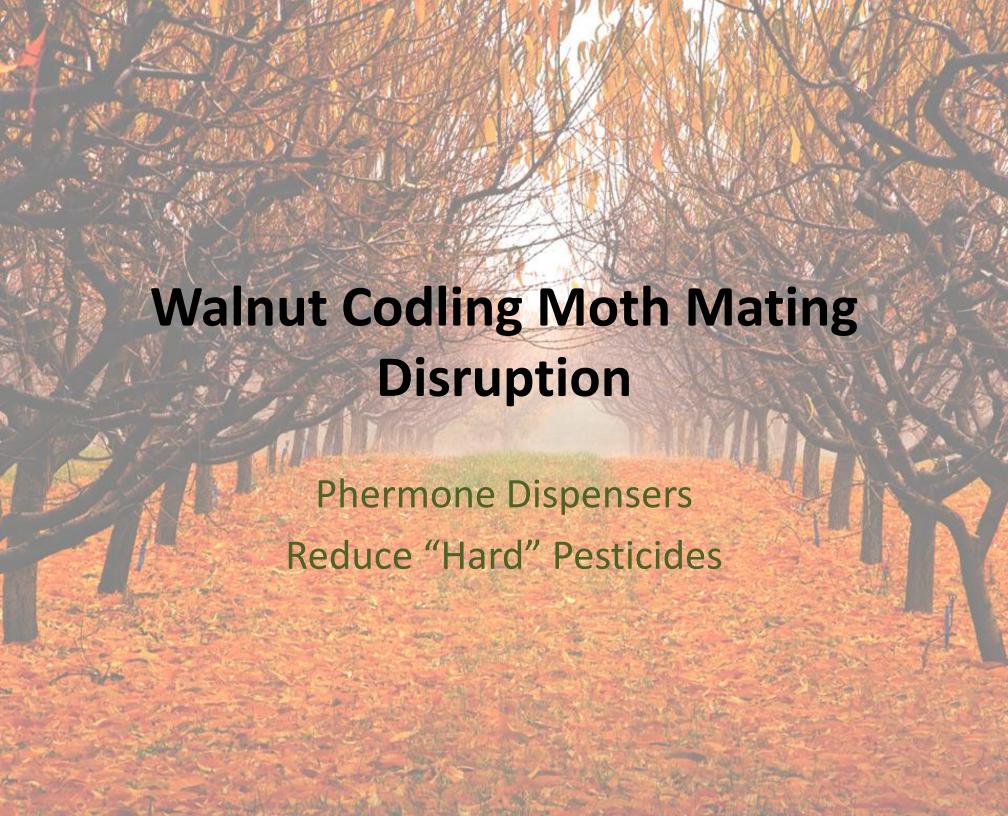




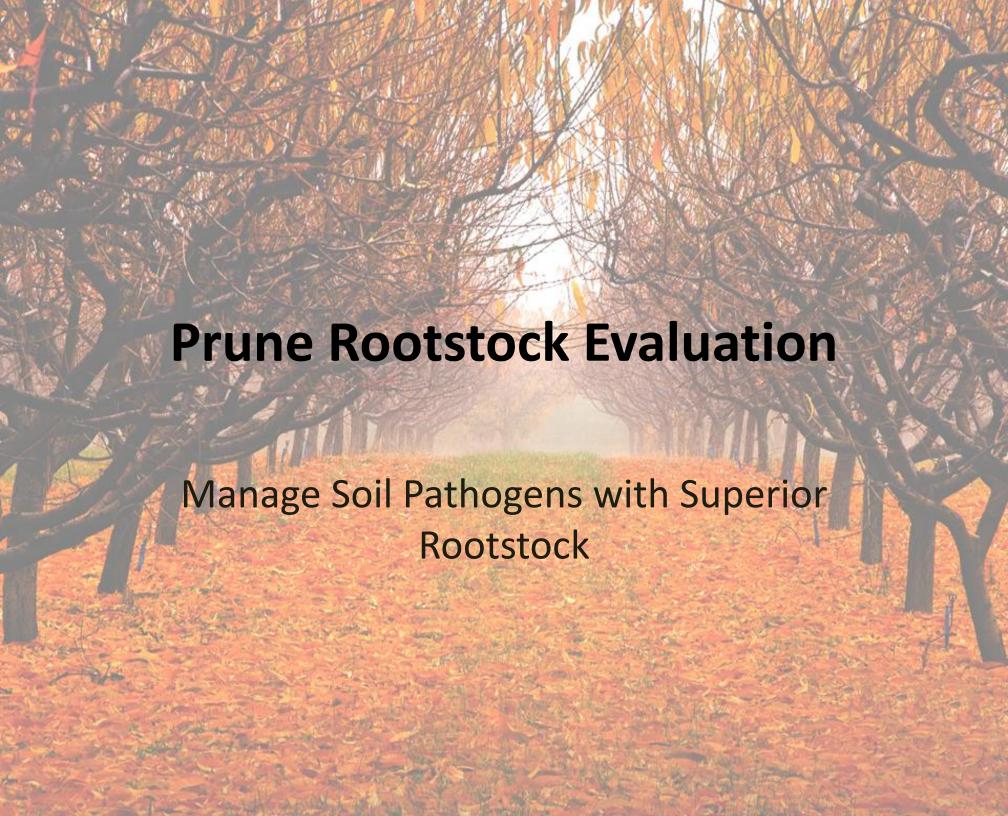
Average Scion Circumference (cm) Growth Change (cm)

Rootstock	5/16/11	11/16/11	11/15/12	11/16/11 to 11/15/12
VX211	7.61	15.23	23.34	8.11
June Bud/Vlach	19.04	27.22	37.08	9.86
RX1	7.60	14.96	24.39	9.43
Vlach	7.69	15.10	25.00	9.90
Paradox Seedling	7.59	14.81	23.99	9.18

Table 3. 2011 and 2012 Scion circumference measurements in centimeters (cm) for the Tehama County clonal walnut rootstock experiment. Trees were planted 3/12/09 and field budded to Howard September 11, 2009. All buds failed due to cold injury and trees were whip grafted to Howard 5/1/2010. Scion measurements were taken on 5/16/11, 11/16/11 and 11/15/12. June bud/Vlach trees were nursery grafted giving them a size advantage over the field grafted trees.







Tehama First Planting – 4/28/11

Rootstock	Number of Replicates (# trees)	Average Circumference (cm) 3/5/12 / 11/26/12	Circumference Change (cm)		
Myrobalan	4 (18)	5.48 / 10/94	5.51		
Myro 29C	4 (21)	7.14 / 14.26	7.12		
M2624	5 (25)	5.32 / 10.44	5.12		
Lovell	1 (3)	5.40 / 11.33	5.93		
M40	4 (18)	5.67 / 11.13	5.46		
M30	4 (16)	6.13 / 12/02	5.89		
M58	4 (17)	5.15 / 9.68	4.53		
нвок 50	5 (28)	4.93 / 8/41	3.48		
Empyrean 2	4 (15)	4.68 / 8.41	3.48		
Citation	5 (20)	4.88 / 8.73	3.85		
Krymsk 86	4 (17)	5.48 / 9.74	4.26		
Krymsk 1	4 (23)	5.67 / 10.61	4.94		
Rootpac	To Yuba	-	-		
Viking	2/10/12	-	-		
Atlas	2/10/12	-	-		

Tehama prune rootstock plot grafted to Improved French variety. Planted 4/28/11 and measured 6/2/11, 11/22/11 and 11/26/12. Most Lovell trees failed the first year so only one replicated remained from the first planting.

University of California Integrated Pest Management Insect Update #28 Tehama County 9/16/13

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INSECT	FIRST BIOFIX	SECOND BIOFIX	THIRD BIOFIX	FOURTH BIOFIX	ACTIVITY MOTHS/DAY	AVG. DEG. DAYS/DAY	DAY DEGREES FROM BIOFIX
CODLING MOTH	4/8	6/3	7/22	+	.25	25.8	1481
ORIENTAL FRUIT MOTH	3/4	5/6	6/13	7/15 and 5 th 8/23	5.7	31.3	735
PEACH TWIG BORER	4/1	6/3	7/18	8/23	33.8	25.8	608
NAVEL ORANGE WORM	4/11	6/17	7/22	8/19	.56	21.3	590
SAN JOSE SCALE	3/25	-	-	÷	-	20.4	3476

We are still finding eggs on our NOW traps (0.56 eggs/trap/day) and will continue to monitor through the next generation. Watch Walnut Husk fly traps for activity. UC IPM suggests a treatment if harvest is more than 3 weeks away.

Additional Pest management information plus twilight temperatures are available at the UC IPM website including a day degree calculator. http://www.ipm.ucdavis.edu.

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