



Orchard Notes

November/December 2002

Proper Spray Coverage - How Fast Is Too Fast?

Kevin R. Day

Tulare County Farm Advisor

Abundant evidence exists to suggest that the biggest roadblock to thorough spray coverage is excessive speed of travel. Experimental results demonstrate that travel speed should never exceed 2mph. This may seem very slow, but it is necessary to follow this rule in order to achieve proper spray efficacy.

The speedometers on tractors are often inaccurate. The actual speed of travel can be checked using the formula that at a speed of one mph, 88 feet will be covered in one minute. Based on this, the following table serves as a guideline for calibrating tractor speed.

**Number of Tree Spaces Traveled in One Minute
at a Given Tractor Speed and Tree Spacing**

Speed		Tree Spacing			
		10'	16'	18'	20'
(MPH)	(Feet/Min)	(trees traveled/minute)			
1.00	88	8.8	5.5	4.9	4.4
1.25	110	11.0	6.9	6.1	5.5
1.50	132	13.2	8.3	7.3	6.6
1.75	154	15.4	9.6	8.6	7.7
2.00	176	17.6	11.0	9.8	8.8
2.25	198	19.8	12.3	11.0	9.9
2.50	220	22.0	13.8	12.2	11.0

For example, if your trees are spaced 16' apart down the row and your desired speed is 2 mph, then your tractor should travel 11 tree spaces in one minute. If you are traveling a greater or lesser number of tree spaces than this, adjust your speed accordingly.

**Winter Tree Fruit Meeting
December 4, 2002
Dinuba Memorial Hall, 249 S. Alta, Dinuba**

8:00 – 8:30 A.M.	Registration – Preregistration required
8:30 – 8:40	Welcome and Industry Funded Research Activities Update <i>Kevin R. Day, Tulare County Farm Advisor</i>
8:40 – 9:00	Control and Management of Bacterial Canker <i>Beth Teviotdale, Plant Pathologist, Kearney Ag Center</i>
9:00 – 9:20	Nutsedge Biology and Control <i>Steve Wright, Tulare County Farm Advisor</i>
9:20 – 9:40	Identification and Correction of Common Nutrient Deficiencies <i>Robert H. Beede, Kings County Farm Advisor</i>
9:40 – 10:00	Ten-Lined June Beetle Biology <i>Rich Coviello, Fresno County Farm Advisor</i>
10:00 – 10:30	Break
10:30 – 11:00	Rethinking Orchard Systems and Management to Maximize Profit Rather Than Yield <i>Ted DeJong, Pomologist, UC Davis</i>
11:00 – 11:30	Pest Management Alliance Review – What We’ve Learned Over the Past Three Years about San Jose Scale and Katydid <i>Walt Bentely, IPM Advisor, Kearney Ag center</i>
11:30 – Noon	When to Harvest Blackamber Plums – A Postharvest/Consumer Perspective <i>Carlos H. Crisosto, Postharvest Specialist, Kearney Ag Center</i>
Noon	LUNCH <i>Catered by the Safari Club Restaurant, Dinuba</i>

3 Hours of Continuing Education Credit applied for

REGISTRATION FORM - WINTER TREE FRUIT MEETING

Cost: \$20 per person (includes lunch). Pre-registration no later than Wednesday, November 27, 2002.

Note: **Payment will be accepted at the door - but no guarantee of lunch.** Send checks payable to “UC Regents” to JoAnn Coviello, 9240 South Riverbend Avenue, Parlier, CA 93648-9757.

Name(s) _____

Address _____ Amount _____

Pruning Stone Fruit Trees Tree Physiology & Applications

**November 20, 2002
9:00 A.M. to Noon
Kearney Ag Center, Parlier CA**

Instructors: Ted DeJong, UC Davis & Kevin Day, University of California, Tulare County

This intensive seminar will focus on the theoretical and practical aspects of pruning. We will spend approximately 1 to 1½ hours inside discussing the physiology of pruning and tree response to pruning strategies. We will then move to the field and spend a similar amount of time demonstrating and discussing different pruning applications for specific systems and situations.

There is no charge to attend this meeting and no pre-registration is required. For more information call Kevin Day at (559) 685-3309 extension 211.

Kevin R. Day
Farm Advisor
(559) 685-3309, extension 211



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**Pruning Stone Fruit Trees/Tree Physiology & Applications
November 20th**

**Winter Tree Fruit Meeting
December 4, 2002**

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