

## Notes by Stephen Steward, Page 4

### Activities:

- Thin apples (Fig. 1A)
- Weed removal with weed eater
- Preparing and repairing irrigation system
- On 11 June, the one acre organic block had 4,000 predatory mites (*Amblyseius fallacies*; from Rincon-Vitova) released only leaves (Fig. 1B) at cost of \$12 per 1000 mites. This block had 'Red Delicious' trees with leaf bronzing caused by spider mites (see observations).
  - Source: Rincon-Vitova Insectaries, Inc., PO Box 1555 Ventura, CA 93002-1555 Phone: 800-248-2847

### OBSERVATIONS OR PREDICTED PEST MANAGEMENT PRACTICES:

- On 26 May, saw 'Red Delicious' and 'Braeburn' apple trees starting to show leaf bronzing caused by 13 European red mites per leaf and 15 twospotted spider mites per leaf on susceptible. On those same leaves, there were 5.6 predatory mites per leaf (*Amblyseius fallacis*).
- On 7 June, grower applied Entrust (OMRI approved) to organic block against end of first generation codling moth.
- Pheromone traps have:
  - Continue to catch 9 or more male codling moths in traps baited with 10X (megalure) lures and 7 or more male and female codling moths in traps baited with DA lure (pear essence).
  - Started catching second generation flight of redbanded leafrollers and obliquebanded leafrollers on 26 May.
  - Captured only one Oriental fruit moth all season



Fig. 1. (A) Stephen thinning apples and (B) applying predatory mites by misting water on 6 to 8 leaves around each tree and then shaking mixture of bran plus predatory mites (from Rincon-Vitova) onto each wet leaf.

