16-28 July

- We’ve finally finished the apple trellis system!
- Brush hogging
- Training grape vines
- Selective pruning to train younger apple trees in central leader
- Irrigation maintenance and construction
- Spraying insecticide and herbicide
- Checking/Recording insect monitoring traps:
  - 0 plum curculio in pyramid traps
  - 0 codling moths in pheromone traps
  - 3 oriental fruit moths in sex pheromone traps
- Assessed percentage damage of the fruit:
  - 0 new plum curculio damage out of 100 apples
  - 3 grape berry moth stings out of 100 grape clusters
  - Noticed many stink bugs on apples
- Starting cauliflower and cabbage seeds

No. Insects Per Trap

<table>
<thead>
<tr>
<th>Pest</th>
<th>June</th>
<th>July</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oriental fruit moth (N=3)</td>
<td>0.3</td>
<td>1.3</td>
</tr>
<tr>
<td>Plum curculio (N=6)</td>
<td>0</td>
<td>0.5</td>
</tr>
<tr>
<td>Codling moth (N=2)</td>
<td>0</td>
<td>0.5</td>
</tr>
<tr>
<td>Redbanded leafroller</td>
<td>26</td>
<td>52</td>
</tr>
</tbody>
</table>

Funding: USDA/CSREES Organic Agriculture Research and Extension Initiative - Other Grants Proposal No.: 2008-01251

Title: “Best Management Practices for Organic Orchard Nutrition”

Co-PIs: Curt R. Rom\(^1\), Donn T. Johnson\(^2\), Elena Garcia\(^3\), Mary Savin\(^3\) Jennie Popp\(^4\)

Institution: University of Arkansas, Division of Agriculture and Cooperative Extension Service

Departments: \(^1\)Horticulture, \(^2\)Entomology, \(^3\)Crop and Soil Sciences, \(^4\)Agricultural Economics and Agribusiness