

*IPFS Satellite Project***The Use of Pyganic to Control Leaf Curl Plum Aphid – 2002**

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Pyganic, a pyrethrin product available to organic and other prune producers was evaluated for control of Leaf Curl Plum Aphid (LCPA). The product was applied by air blast sprayer at the rate of 25.6 ounces per acre and applied with 100 gallons of water per acre after LCPA was present on April 18, 2002 and evaluated on April 26<sup>th</sup>, and May 3<sup>rd</sup>, 2002. Ten LCPA affected leaves from 10 treated and 10 untreated trees, were each evaluate on April 26 for the presence of live aphids. On May 3<sup>rd</sup> the new growth that developed after the treatment was applied was evaluated for % aphid damage (curled leaves) on 10 treated and 10 untreated trees. Neither evaluation indicated that Pyganic had any efficacy on LCPA. Leaves evaluated for live aphids nine days after treatment indicated that 50 % of the leaves still had live aphids after the Pyganic treatment while 58 % of the leaves had live aphids in the untreated area. The new growth showed the continued effect of the aphids with all trees having curled leaves on the new growth in the treated as well as the untreated areas. On average 34 % of the new growth was affected in the treated area and 28 % was affected with curled leaves in the untreated area. Syrphid fly larvae, ladybird beetle larvae and LCPA mummies resulting from parasitic aphid wasp were abundant in both the treated and untreated areas. This trial suggests that Pyganic has no efficacy on LCPA.