

#### 4. Chemical Control / New Products

##### Evaluation of a Clay Product (Kaolin) for Control of Leafrollers

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A range of studies were conducted during 1997 to evaluate the effect of Kaolin M96 on the obliquebanded leafroller, *Choristoneura rosaceana* (Harris). We wanted to examine its impact on each life stage of *C. rosaceana* at a number of key management time periods during the season. We found that Kaolin has potential when applied at delayed dormant in the spring to prevent the overwintering larvae from establishing feeding sites in the new green foliage. We found that Kaolin has little effect on larvae already feeding inside leaf shelters. Kaolin has little effect on egg hatch. Moths will, however, avoid ovipositing on residues. Kaolin affects neonate survivorship and retards larval growth. Kaolin caused outbreaks and reduced parasitism of gracillarid leafminers. Kaolin was effective in controlling codling moth. Coverage of fruit and leaves is critical in achieving control of codling moth. Kaolin cannot be removed from the stem-end of apples through washing with water and brushing. Dipping apples in 1% horticultural oil removes the appearance of any residue.