

Trouble Swarms for California Bees



Mites, Africanized bees and imported honey threaten bee industry

The triple whammy of low prices for honey, mite infestations that have killed off thousands of hives, and the imminent arrival of Africanized bees in California have left the California bee industry in its most vulnerable position in many years. Unfortunately, trouble for the bee industry means trouble for the almond industry as well. The two are inextricably linked.

Without the 800 thousand hives of European honey bees placed in their orchards by California and out-of-state beekeepers in the spring of each year, almond growers would be crop-less. And without the cash from those pollination services, beekeepers would soon be out of business. Now with Africanized bees presenting a new threat to the economic viability of the beekeeping industry, al-

mond growers and beekeepers have more reason than ever to understand each other's needs and to form strong working alliances that will keep both parties in business.

To help put the problems facing pollination providers into perspective and to offer up some possible solutions, *Almond Facts* asked a pair of experts at the University of California, Davis to respond to questions on these issues. The experts are Robert Page, Jr. and Robin Thorpe with the Department of Entomology. Here is what they said.

When will the Africanized bee arrive in California?

Page: "I think they are in Southern California now; they just haven't been detected yet. Next year they will move into Bakersfield and spread throughout the southern San Joaquin Valley. Probably the year after next, we will see them in Sacramento and in two and one-half years from now, they will occupy the entire central valley and all of the almond producing areas of California."

Africanized bees mean to almond growers?

Page: "It means the intermingling of Africanized bees with the European honey bee population in California."

The Africanized honey bee (left) and the European honey bee are so similar in appearance that computer analysis of body part measurements or elaborate biochemical tests are required to distinguish between them.



