## Were all getting stung

Last week, the Obama administration took steps to support pollinators, such as honeybees, which are vital to our food supply. One of every three bites of our food originates from bees pollinating the flowers that produce many of our fruits, nuts and vegetables. On Friday, President Obama established a Pollinator Health Task Force to focus federal efforts to stem pollinator loss. The USDA announced $\$ 8$ million in incentives to farmers and ranchers in five states who establish new habitats for honeybees.

## by Patterson Clark

## The symptoms of colony collapse

- The hive suffers a rapid loss of older worker bees
- Bees avoid supplemental foods provided by the beekeeper.
- The abandoned hive contains an excess of cells holding developing young bees (Normally when bees leave a hive, they wait until the young emerge.)
Honeycomb pests, which would normally raid an unguarded comb, delay their entry into the hive.
- The abandoned hive lacks dead bees.

The honeybee population in the United States is now less than half of what it was at the end of World War II. Driven largely by industrial farming practices, that decline was well underway when, in 2006, commercial beekeepers began finding many of their hives suddenly abandoned. Colony collapse appears to be linked to a variety of factors that work in concert to weaken bees.

## Honeybee stressors

Studies show no links between colony collapse and either cellphone-tower radiation or genetically modified crops.


Crops pollinated by bees include almonds, apples, apricots, avocados, blueberries, cantaloupes, cashews,
coffee, cranberries, cucumbers, coffee, cranberries, cucumbers,
eggplants, grapes, kiwis, mangoes, eggplants, grapes, kiwis, mango
okra, peaches, pears, peppers, okra, peaches, pears, pep
strawberries, tangerines, strawberries, tangerines,

