

## Supersedure survey

The goal of this brief survey is to gather information on supersedure rates of purchased packages and/or wild swarms during the early phase of installation and establishment. Please fill out the following for each individual package or group of packages. After hiving the bees, please check back regularly and look for evidence of supersedure ideally for 8 weeks. After which please fill out the below information and return to NC State:

c/o David Tarpy  
Dept of Applied Ecology  
Campus Box 7617  
North Carolina State University  
Raleigh, NC 27695-7617

Name and Contact information: \_\_\_\_\_ (your data will remain anonymous and used only in aggregate, this would allow us to conduct follow-up interviews if you're willing, otherwise you may leave this blank)

Number of colonies managed: \_\_\_\_\_  
Years keeping bees: \_\_\_\_\_

-About your bees

Number of packages purchased: \_\_\_\_\_  
Number of swarms/non-packages: \_\_\_\_\_

Date of installation: \_\_\_\_\_

Installed on (circle one):

- Foundation only
- Some empty but drawn comb
- Some comb with brood and/or food
- Other (Comment below)

Number of colonies with successful establishment (thriving colonies with no queen events after 8 weeks):  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Number of colonies with supersedure cells observed:  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Number of colonies with replaced queens observed:  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Did you replace any queens for these packages yourself? If so, how many?  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Did you allow any packages to requeen themselves? If so, how many?  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Number of colonies where requeening was (a) successful and (b) not successful.  
packages: \_\_\_\_\_ non-packages: \_\_\_\_\_

Other comments or notes on your installation process: