

**Table 3. Pollen and nectar collection by honey bees on 3 pear varieties.**

Pear variety	Percent bees with		
	Pollen in pollen basket	Pollen grains on body	Medium or larger honey stomach
Magness	7	52	40
Moonglow	72	94	7
Bartlett	100	100	4

in the four orchards were not noticeably greater and none approached a level of yield that could be considered commercially acceptable. Although repeated in 1973, poor bloom and poor pollinating weather during bloom made the effort worthless.

### CONCLUSION

The data presented here demonstrate a serious problem to attract honey bees to the 'Magness' pear variety. Several factors apparently contribute to this demonstrated unattractiveness. Examinations of the behavior of honey bees working 'Magness' and pollenizer varieties demonstrated a very mobile bee moving about a great deal on 'Magness' and a more deliberate behavior on the more attractive blooms of the pollenizer varieties. This mobile activity undoubtedly resulted in their moving from the 'Magness' to the more attractive pollenizer and competitive bloom in a short time. With the absence of pollen in the 'Magness' variety, fewer pollen collec-

tors visited 'Magness' bloom. The nectar of 'Magness' and pollenizer varieties is apparently not very competitive either and thus few bees visit the blossoms for this purpose. Bees present on 'Magness' are very mobile and do not exhibit the usual deliberate working pattern necessary for pollination.

### Literature Cited

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### Book Review

E. I. DuPONT, *BOTANISTE, THE BEGINNING OF A TRADITION*. The University Press of Virginia, Charlottesville, Virginia 22903. Cloth, \$7.50; paper, \$3.95. 10 chapters, 133 pages, ill. By Norman B. Wilkinson.

The famed Longwood gardens of Pennsylvania and the Winterthur gar-

dens of Delaware are prime examples of horticulture and gardening pursuits established by the duPont family. This book, written by the Director of Research at the Hagley museum, portrays the family background, beginning in 1799 with Eleuthere Irénéé du Pont, and continues through his descendants.