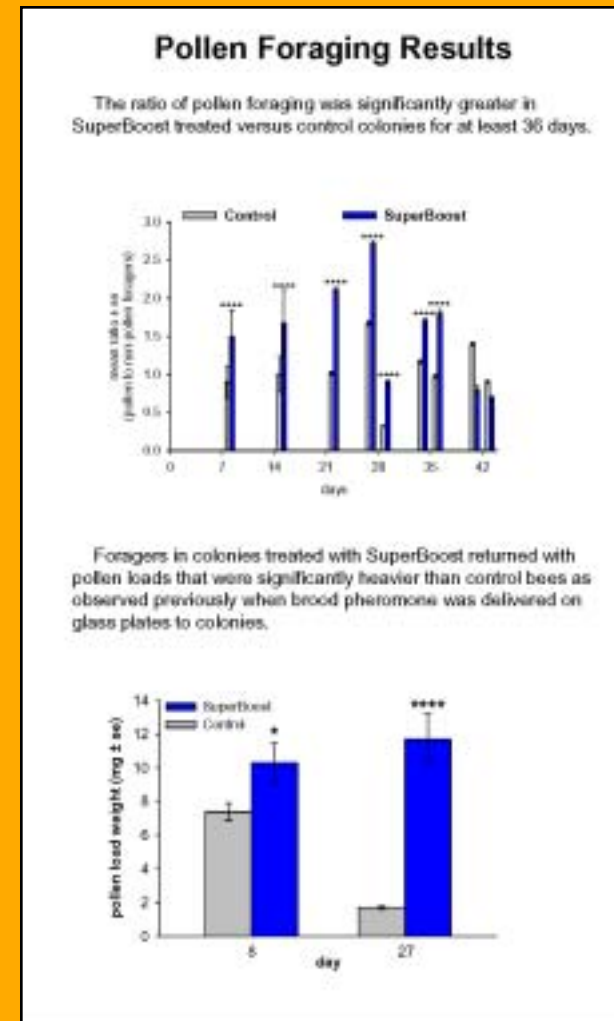
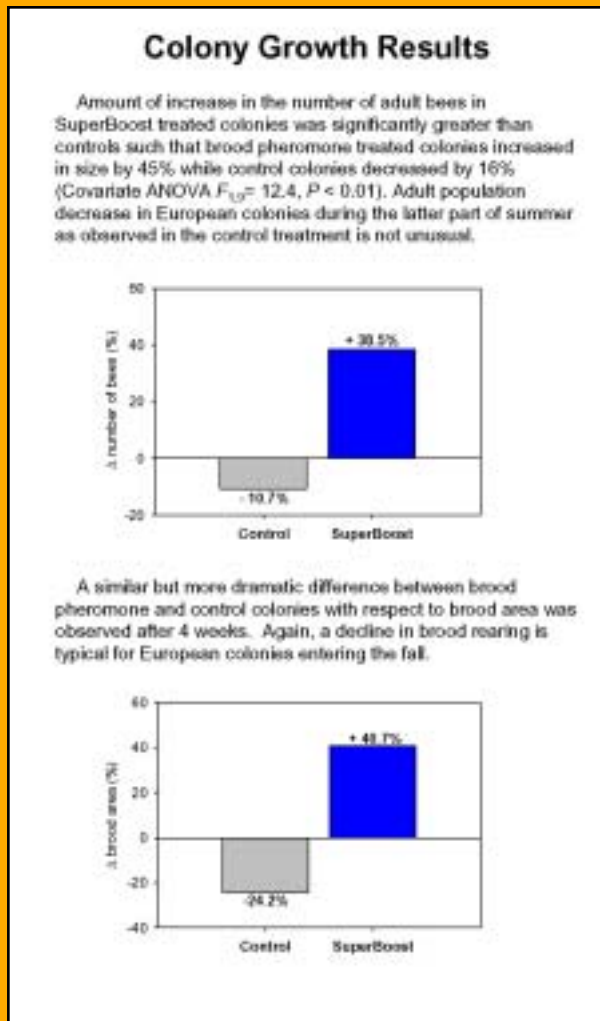


The Research Data Speaks For Itself!

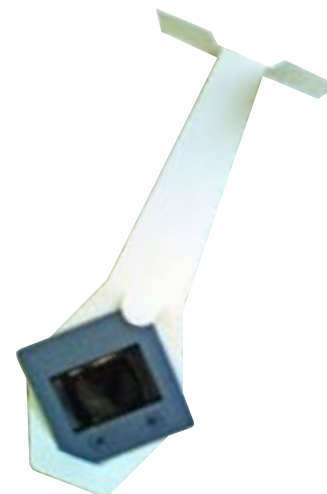


Tanya Pankiw, Ramesh Sagili, G.W. Burlin, and Lizette Peters
Department of Entomology, Texas A&M University, College Station, TX

Overall, *SuperBoost* stimulated increased pollen foraging for at least 36 days. Increased pollen intake in SuperBoost treated colonies was directed into rearing brood. SuperBoost may be used as a tool to enhance colony pollination activity with the additional benefit of an increased rate of colony growth.

The use of *SuperBoost* also resulted in younger foragers and increased consumption of pollen patties. It primes the brood food producing glands in the spring, summer & winter which increased the growth rate of the colony at those times.

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BP-treated colonies reared significantly more brood area than control colonies (repeated measures (RM) GLM: $F_{1,10}=11, P=0.008$; Fig. 1) except in week 2 ($P>0.05$)

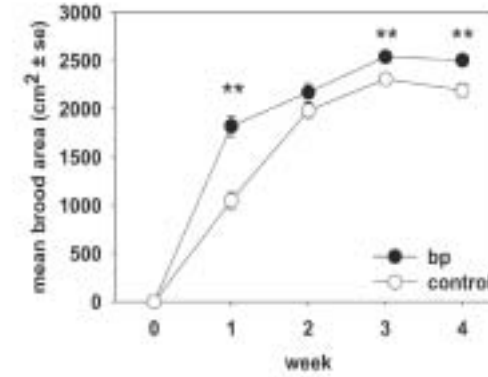


Fig.1 Brood pheromone (BP)-treated colonies (black circles) reared significantly more brood area (eggs, larvae, and pupae) than control colonies (white circles) over a 28-day period. Asterisks (*) indicate significant differences, $P<0.01$; repeated measures GLM

Age of first foraging was significantly lower in Brood Pheromone treated colonies. Overall, BP-treated foragers returned with pollen load weights that were significantly heavier. Pollen intake was increased by a higher ratio of pollen to non-pollen foragers, greater pollen load weight, and decreased foraging age for pollen specific foragers.

The total number of bees that were reared during the experimental period and emerged as adults from BP-treated colonies was significantly greater than for control colonies.

Pankiw T (2004) Pheromone-modulated behavioral suites influence colony growth in the honey bee (*Apis mellifera*)

Hang one *SuperBoost* unit in each hive. The bees will need 6-8 days to acclimatize to *SuperBoost* once it has been placed in the hive. After this period, there should be a noticeable increase in the ratio of pollen to non-pollen foragers.

Bees returning to treated hives will be carrying more pollen than bees returning to untreated hives. After 30 days there should be more brood comb and a larger population of worker bees in treated than untreated hives. After 36 days the unit can be removed and discarded.

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Pounds/gallon	11.55

Pro-Sweet 71 Liquid Sugar Blend	
Total Solids (%)	71.00
Typical Carbohydrate Components	
Fructose (DSB*)	27%
Dextrose (DSB*)	21%
Sucrose (DSB*)	50%
pH	4
Pounds/gallon	11.20

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Total Solids (%)	67%
Moisture (%)	33%
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