

BEE-SCENT™



TECHNICAL BULLETIN Melons/Cucumbers

Pollination is a fundamental step in the development of a high yielding and high quality melon crop. No cultural practice a grower does after pollination will increase the number of potential melons or cucumbers.

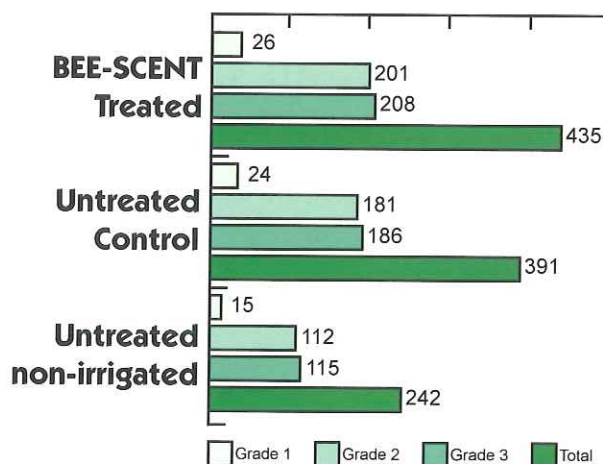
Between 500 and 1000 pollen grains must be transferred between a male and female blossom to achieve adequate pollination. Small or misshapen melons and cucumbers are often the result of inadequate pollination.

Honey bees are the most effective transfer agents of pollen. However, multiple bee visits are needed to adequately pollinate just one blossom. BEE-SCENT's pheromone ingredient keeps foraging bees focused on treated fields and prevents bees from wandering to neighboring crops or wildflowers. The pheromone message in BEE-SCENT directs bees to forage on treated blossoms. Concentrated bee activity means each blossom receives more bee

visits. A greater amount of pollen is transferred so the development of larger, better shaped produce results from the increased bee activity.

Tests show BEE-SCENT treated fields yield a higher number of marketable melons and a higher number of large premium grade melons. Treated cucumber fields yield more cucumbers per acre.

Evaluation of BEE-SCENT Applied to Cucumbers
(K. Morris, Goldsboro, NC 1994)



Effects of BEE-SCENT on Honeydew Melons

*BEE-SCENT's improved pollination resulted in the development of a greater number of large premium grade size 5's and size 6's melons.

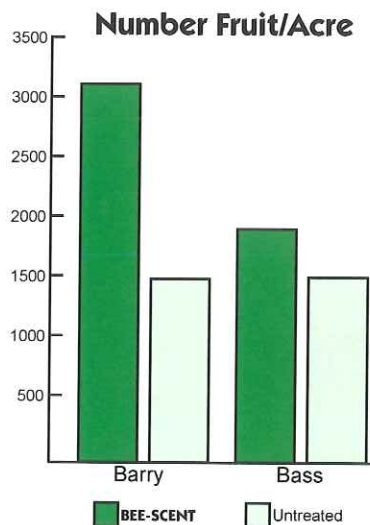
Number of crates for each size-per acre					
Treatment	5's	6's	8's	9's	Total
BEE-SCENT	12	220	187	0	419
Control	3	100	213	27	343

Shipmaster variety. Agri/Search Research, 7/17/89. Lemoore, CA

BEE-SCENT Treatments	Yield/Increase Cartons-Acres	Increase Net Profit-Acre*
0 (control)	687/0	\$ 0
1 (2 qts./acre)	805/118	\$329
1 (2 qts./acre)	814/127	\$356
2 (2 qts./acre)	888/201	\$553

*Green Flesh Honeydew Melons, Woodland, CA 1988
Average market price \$3.00 per carton.

Effects of BEE-SCENT on Total Yield of Watermelon
University of Florida, IFAS, 1988



BEE-SCENT Application Recommendations

Melons/Cucumbers

Rate- Two quarts of BEE-SCENT per acre;
4.75 - 5.0 liters per hectare.

Water Dilution-

Ground: 50 to 200 gallons per acre,
(470-1870 liters/Ha.).
Aerial: 8 to 15 gallons per acre,
(75-140 liters/Ha.).

Application Procedure - Early morning application is important. Avoid rain and check irrigation schedules. Weather must be favorable to bee flight: i.e., sunny and warmer than 60°F (15°C), with winds less than 15 mph (24km/h). To prevent interfering with the bee's homing abilities, **do not overspray hives.**

Timing of Application - Tests have proven tow applications result in higher value yields. The first BEE-SCENT treatment should be made at 10-20% bloom (crown bloom). A second treatment six to eight days later insures thorough results.

Chemical Compatibility-Do not mix with insecticides harmful to bees. Additionally, growers must pay special attention to the **residual action** of insecticides used just before of while conducting a BEE-SCENT bee attraction program.

ACTIVE INGREDIENTS

Pheromones -----	9.5%
Other Natural Attractants -----	42.5%
Inert Ingredients -----	48.0%
Total -----	100.0%

Packaged:
2½ Gallon Bottles
2 Bottles Per Case

Mixing BEE-SCENT with agricultural chemicals risks interfering with its pheromone message. Field tests have shown BEE-SCENT can safely mixed with:

Foliar Nutrients
Most Surfactants
Fungicides

Check with your local dealer or Scentry Biologicals representative before mixing BEE-SCENT with any chemical not listed.

Hive Numbers and Placement

Ideally, bees should be delivered to the crop one day before the planned BEE-SCENT treatment. This will prevent bees from becoming habituated on nearby competing flowers.

Hives should be placed at uniform intervals throughout the orchard or around the orchard peripherally. In the case of a small block; colonies can be placed on the downwind edge of the area.



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