

Bee-Scent™

Attracts honey bees for improved crop pollination

Bee-Scent™ Improves Yield

Bee-Scent™ is a pheromone-based liquid formulation that attracts foraging honey bees to treated blossoms. Pheromones are natural scents that influence insect behaviour. Bee-Scent™ encourages foraging behaviour because the synthetically produced pheromones imitate those produced by bees. As a result, foraging behaviour is enhanced, more bees are attracted to treated blossoms, and bees stay focused on working the blossoms harder. This increase in foraging intensity improves crop pollination and results in additional fruit set and better fruit quality.

A Natural Pollination Enhancer

Bee-Scent™ is completely non-toxic. It is considered safe for applicators, crops and honey bees alike. Virtually all crops can benefit from additional bee foraging - whether a crop requires pollen transfer between varieties, between flowers or between parts. Bee-Scent™ provides the added edge needed to achieve maximum yield and quality.

Active Ingredients:

Pheromones	9.5%
Other natural attractants	42.5%
Inerts	48%
Total	100%

How to Use Bee-Scent™

Bee-Scent™ is a valuable management tool for all fruit, melon and nut producers.

- Apply with ground or aerial equipment.
- No additives are needed.
- Use sufficient water to assure thorough coverage.
- Apply 5 litres/hectare in the morning after temperatures have reached 15°C (weather must be favourable to bee flight – warm, sunny day).
- Typical mixing ratios are: 5 litres/500 to 2000 litres of water for ground application and 5 litres/75 to 150 litres of water for aerial application.

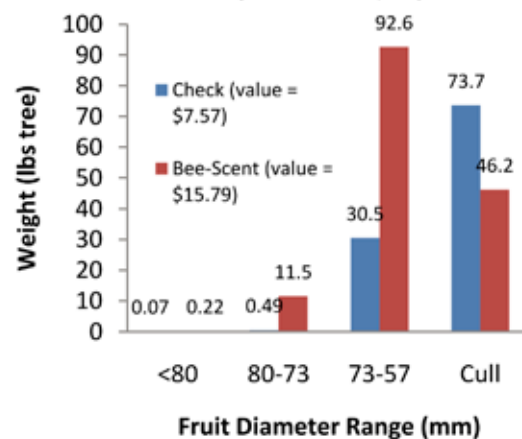
Apply first treatment at early bloom (5 to 30 percent). A second application at 70 to 100 percent bloom is recommended. On long blooming crops applications at regular intervals may be needed. See the Bee-Scent™ product label for more details.

Apples

Pollination and seed number are fundamental to yield, fruit size and quality in apples. Fruit pollination issues are common under more challenging environments such as nets.

Red Chief Fruit Size Distribution

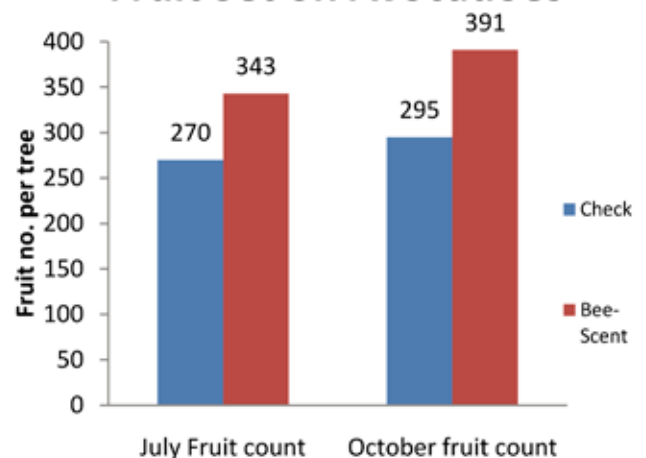
(Tew et al. 1993, OH)



Avocados

Fruit set in Avocados is very challenging, poor weather and pollination are always a major risk. Trials have demonstrated significant increase in fruit set in California with Bee-Scent™.

Fruit Set on Avocados



Benefits of Bee-Scent™

Squash and Melons

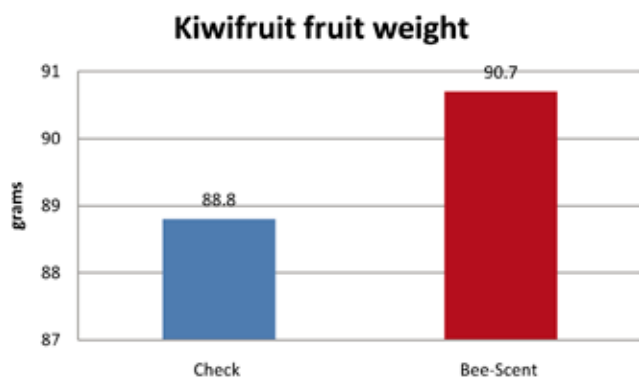
Watermelons, Squash, Pumpkins and Cucumbers all require intensive pollination activity. Concentrating bee activity not only improves set, but also facilitates uniform fruit maturity which is highly advantageous for mechanical harvesting.

Bee-Scent™ on Honeydew Melons

No. of treatments	Yield cartons per acre	Increase	Return on investment
0	687	0	\$0
1	805	110	\$329
2	888	201	\$553

Kiwifruit

Fruit yield is a major factor in kiwifruit orchard profitability. Bee-Scent™ was tested in the Bay of Plenty on Hayward across eight orchards in 1993-1994 season, with significant increases in fruit weight (88.8g to 90.7g) and seed no. (942 to 972).



To ensure growers get the best results from GroChem products all product trials are conducted by independent consultants or organisations such as Plant and Food Research.

For product registration and active ingredient details see www.grochem.co.nz