Absolutely chuffed with the results, PollenSmart doubled our orchard’s production.
Steve Rabbitts, Kiwifruit Grower, Edgecumbe

A SMARTER WAY TO POLLINATE
INCREASE YIELD  REDUCE COSTS  OPTIMISE TIMING
**HOW IT WORKS**

1. Pollen is placed into the dispenser which can be programmed to release the exact quantity required.

2. The fan blows the pollen onto the open flowers. There are 4 outlets 80cm apart, each blowing further air & pollen.

3. Any remaining pollen is sucked back into PollenSmart and recycled.

**Vacuum Intake = Less Waste**

**x4 Pollen Blower Outlets = Wider Disperse**

**Pollen Dispenser = Accurate Control**

**INCREASE YIELD**

- The more often a flower is pollinated the bigger & better the resulting fruit
- Multiple light applications give superior pollination results than a single pass with a heavy rate of pollen

- PollenSmart dispenses pollen into the air, then blows air and recovered pollen back at the flower to give a total of 4 pollinations per pass and near perfect pollination
- Especially effective in PSA compromised orchards as PollenSmart introduces fresh pollen rather than the orchards own
- Trials show $10,000/Ha increase in OGR (income)

**REDUCE COSTS**

- At $3,000/kg, pollen is a precious commodity not to be wasted
- Save on cost of bees & other means of pollination

- PollenSmart’s rear vacuum sucks back in any unused pollen, recycling it and blowing it back at the flowers
- Utilise your existing tractor and time

**OPTIMISE TIMING**

- Kiwifruit flowers have a very short window for optimal pollination, lasting only a few days, and also a few hours in the day that are best
- Pollinating each flower at the right stage of opening results in a more evenly pollinated crop and a more consistent size of fruit
- Own your own PollenSmart and pollinate when you want, as often as you want without having to wait for a contractor
- Easily move between orchards

**TRIAL RESULTS**

Trials were conducted on several Bay of Plenty orchards in 2015/16 season. Comparisons were made between 100 flower samples of:

- Perfectly pollinated flowers (by hand application)
- PollenSmart
  - 1, 2, or 3 applications
  - at light or heavy rate
- Bees only pollination

**Summary of Results for Fruit Number & Weight**

1. **PollenSmart** matched ‘Perfect’ pollination in achieving 88% exportable fruit compared with 47% for ‘Bees only’ pollination
2. There was a BIG increase in bee activity under the canopy with **PollenSmart** pollination (up to 20 bees per bay).

*Full Trial Results available on request*