Take the guesswork out of pollination

Exceptional hive performance monitoring from anywhere in the world
Gain insights that improve pollination success

Hivemind provides clarity around pollination. Have confidence that your property's pollination strategy is optimal. Know the strength and effectiveness of every beehive throughout the pollination season.

Know how many bees are out pollinating from every hive
Understand when the bees are flying and the actual numbers of bees working on pollination.

Have remote access to your data, no matter where your property is - in or out of mobile coverage
Review hive performance at your fingertips. You can be many miles away yet still monitor your pollination on your smart phone, tablet or PC. Hivemind transmits data via satellites, so any crop can be monitored, regardless of where it is located.

Eliminate pollination issues as a cause of crop loss

There are many reasons for crop loss. Many of which you have no control over - such as weather and disease. But you can monitor and optimise pollination.
What can you do with Hivemind data?

Save on pollination costs and maximise pollination potential by monitoring the hives on your property.

**Make mid pollination adjustments when flying is reduced**
Reduced flying can be due to weather conditions, non-performing hives, or poor placement resulting in delayed or reduced flying hours.

**Comply with spraying requirements**
Have definitive information on flying times if spraying is needed during the pollination season.

**Optimise hive location, size and numbers**
Determine the arrangement of hives across a property that achieves maximum pollination. Variables include location placement, number of healthy bee frames per acre (or however you and your beekeepers determine colony strength). Cost savings and yield gains could be substantial.

**Fewer hive strength inspections needed**
Reduce the need for inspectors conducting one-time hive-strength spot checks. Get better, continuous hive strength information throughout the season.

**Fewer visual inspections needed to assess bee flight activity**
Minimise the need to walk through the orchard or crop to arbitrarily monitor bee activity levels.

Ensure you pay for what you get - and now you can assess this remotely

“Colony strength evaluations not only help ensure growers get what they pay for, they also help ensure that beekeepers are compensated […] growers should record hives that appear weak (i.e., relatively few bees coming and going at the hive entrance) or inactive, and then report those hives to the beekeeper.”

Accumulate year on year, seasonal intelligence

Improve pollination year-on-year as more site data is gathered across the season. This information helps with decision-making around key factors such as hive placement, season start/end and the number of hives.

Understand weather impacts
Build year-on-year records of weather impacts to understand how this influences pollination success.

Estimate season yield
Estimation of the potential fruit and nut yield becomes possible with a body of year on year site data.

Build a portfolio of year-on-year pollination evidence
All records are kept. For example, weather information, number of hives and number of bees flying in case these are needed for litigation or insurance purposes.

Predict effectiveness of the pollination season as it happens rather than at nut set stage
This can be done by comparing year on year Hivemind data with nut set data.

Here are examples of graphs automatically produced in Hivemind. These show temperature, humidity, bee activity and hive weight. Tracking hive weight is useful to ensure the bees have enough food so they keep pollinating; it is also useful if the honey is being collected, know when to collect the honey or add more super boxes.
Transparency with partners

Provide a value-added service to stakeholders and increase transparency with beekeepers, bee brokers, pest control advisors and applicators, and other stakeholders. Work with them to improve pollination and timely spraying of crops.

Together, you can identify poor-performing hives and mitigate risk of nearby crops not being pollinated, increasing your yield per hive.

Hivemind enables you to share reports or you can provide login access for others to review pollination progress during the season.
How Hivemind works

Hivemind is a remote monitoring system specifically designed for beehives that enables you to track how your apiaries are performing, remotely, regardless of where they are located.

Data is collected by specialised sensors at the hive. The sensors then transmit information via satellite to your online hivemind.nz account, so your remote hives feel as if they are right next door. You can login to view the data any time via PC, tablet, or smartphone.

All gear is designed for the rugged outdoor nature of beekeeping. There’s no problematic cables and the batteries are easily replaceable and long life. Hivemind is simple to set up - no technical expertise required.

Sensors at the hive

Hivemind sensors collect data including:

- Hive weight
- Temperature
- Humidity
- Rainfall
- Location
- Bee activity

Setting up Hivemind is easy

1. Place the sensors on a hive and the satellite hub nearby.
2. Recorded data is sent via satellite to your Hivemind.nz account.
3. Login to review hive data via an internet connected device (phone, tablet or PC).
The gear

SENSORS

Hive weight scales
Know when the bees need to be fed so they keep pollinating. If honey is also being collected from these hives, the scales also report honey yield as well as the ambient temperature on that site. The scales are wireless and designed to fit underneath standalone hives or into most pallet systems.

Rain gauge
Provides rainfall data at your apiary location so that you can collect information on the microclimate.

SERVICES

Additional services can be provided to support setup and ongoing beekeeping to help you get the most out of Hivemind. Services include training and data interpretation.

More information: hivemind.nz/products

SATELLITE HUB + ONLINE ACCOUNT

The Satellite Hub
Provides remote access to your hives. It allows all your sensors to report data to your online account. The hub is positioned onsite near your hives.

Your online account
Contains all your sensor data that can be seen in graphs and automatically produced reports. This information is partnered with local weather information to provide a picture of your hive status. You can log into this account from any internet connected device, anywhere, anytime - phone, tablet or PC.
Exceptional hive weight & performance monitoring