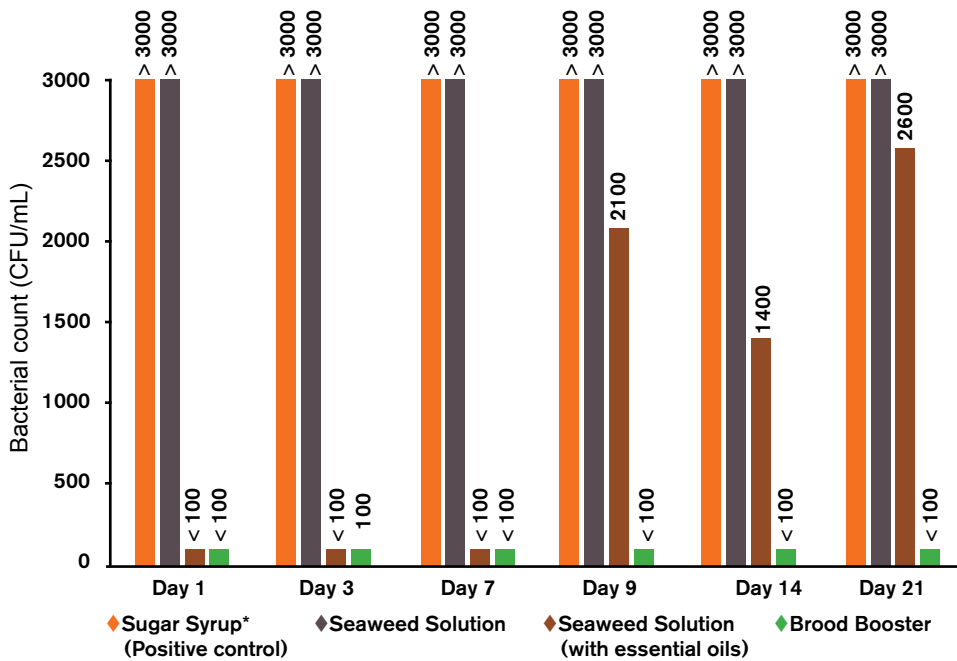


Brood Booster

Fermentation Study



Reduces fermentation

Reduces sugar syrup wastage by inhibiting bacterial growth

Decreases disease risk

*All samples inoculated on Day 0 with bacteria, yeast and mould

The Result

The Study

Fermentation caused by bacterial and fungal growth within feeders can be a costly issue. Not only does this present a disease risk to the hive but can also generate significant waste with many litres of fermented sugar syrup needing to be disposed of.

We wanted to understand the effects of adding **Brood Booster** to sugar syrup on fermentation due to bacterial growth.

We also wanted to see how **Brood Booster** performed against other leading syrup additives.

Brood Booster was the only sugar syrup supplement that remained below 100 CFU/mL* for the entire three-week trial. This means it is the most effective supplement at reducing the rate of sugar fermentation.

RESULTS TABLE

	DAY 1	DAY 3	DAY 7	DAY 9	DAY 14	DAY 21
Sugar syrup (Negative control)	<100	<100	1200	1100	1100	600
Sugar syrup* (Positive control)	7900	920000	980000	780000	590000	510000
Seaweed Solution	4700	420000	380000	100000	210000	370000
Blended Seaweed Solution	<100	<100	<100	2100	1400	2600
Brood Booster	<100	100	<100	<100	<100	<100

*All samples inoculated on Day 0 with bacteria, yeast and mould

With the addition of **Brood Booster** more sugar syrup can be fed to hives and left for longer periods of time before needing to be replaced. This saves time, travel costs and minimises wastage. Fermented sugar can also be a major pathway for disease to enter a hive. By reducing the rate of fermentation, **Brood Booster** can minimise the risks of an infection developing within a hive.

*CFU = Colony Forming Units – a measure of the bacterial and fungal load



View more research online at www.vitahive.co.nz

*all samples tested by an independent, accredited laboratory