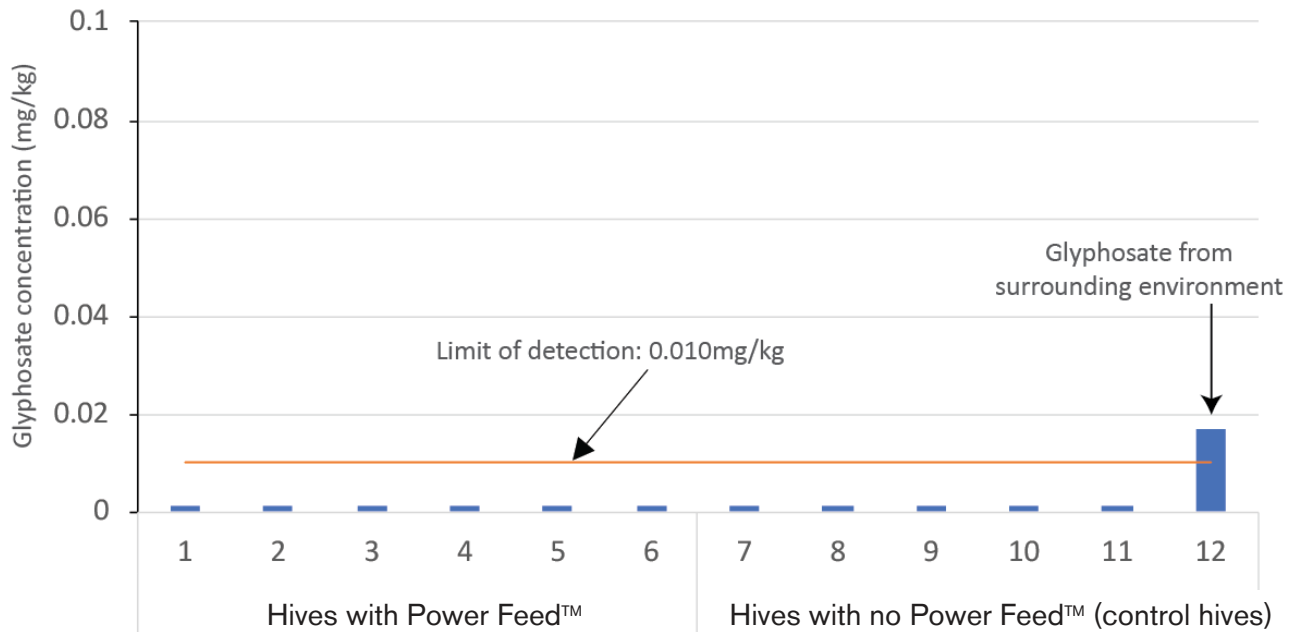


Power Feed™

Glyphosate transfer from Vitahive Power Feed™ to honey



Hives with Power Feed™			
Hive	Glyphosate	AMPA	Glufosinate
1	ND	ND	ND
2	ND	ND	ND
3	ND	ND	ND
4	ND	ND	ND
5	ND	ND	ND
6	ND	ND	ND
Hives with no Power Feed™ (control hives)			
Hive	Glyphosate	AMPA	Glufosinate
7	ND	ND	ND
8	ND	ND	ND
9	ND	ND	ND
10	ND	ND	ND
11	ND	ND	ND
12	0.017	ND	ND

ND = not detected
Limit of detection = 0.010 mg/kg

The Glyphosate Question?

Trace levels of glyphosate are frequently found in many plant-based products, including pollen supplements. With increasing concern about glyphosate being found in honey, the Ecrotek Innovation Team developed a feeding trial to test whether glyphosate transferred from pollen supplements into honey.

The Trial

The trial was run using a small apiary of 12 hives in remote bush over a three month period. During the trial, half the hives were fed one 500g VitaHive Power Feed patty every 4 weeks, while the other half of the hives were used as a control group and did not have the VitaHive Power Feed supplement. At the end of the trial capped honey was sampled and sent to an accredited laboratory for glyphosate testing.

The results show there was no significant difference in glyphosate levels between hives fed VitaHive Power Feed and hives that were not fed VitaHive Power Feed ($P = 0.34$). Glyphosate could not be detected in the honey from 11 out of the 12 hives. The one hive with a glyphosate reading of 0.017 mg/kg came from a hive within the control group (not fed Power Feed), inferring glyphosate was present in the surrounding area and entered the hive through foraging activity.

The Result

There is no evidence to suggest that glyphosate can be transferred from VitaHive Power Feed to honey.



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