

[View this email in your browser](#)



Understanding How Nutrient Treatments Affect Strawberry Pollen

Pollen Quality Matters

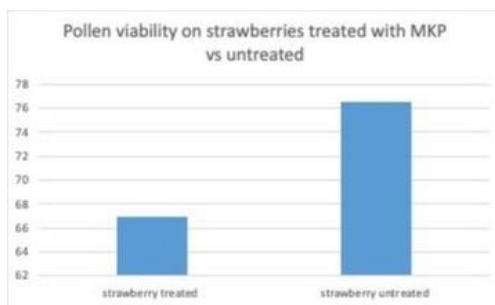
At Bee-Tech Group, we continue to investigate how agricultural inputs influence pollination success and fruit quality. Pollen viability — the ability of pollen grains to germinate and fertilize — is one of the most critical indicators of reproductive success in flowering crops like strawberries. Even subtle changes in pollen health can directly affect fruit set, seed number, and overall yield.



Exploring the Effects of Monopotassium Phosphate (MKP)

In our latest study on one strawberry variety, we examined how foliar application of monopotassium phosphate (MKP) — a common source of potassium and phosphorus — impacts pollen viability. While MKP is widely used to strengthen plant

growth and stress resilience, its influence on reproductive performance has not been well understood.



Key Findings

Our results revealed that plants treated with MKP showed **lower pollen viability (around 67%)** compared to untreated plants, which maintained **higher viability levels of approximately 76%**.

This suggests that while MKP provides valuable nutrients, it may also interfere with pollen development or flower physiology, leading to a measurable decline in reproductive performance.

What This Means for Growers

These findings highlight the importance of balancing nutritional inputs with the reproductive needs of the crop. Foliar fertilizers like MKP can boost vegetative growth but may unintentionally reduce pollen quality if applied at sensitive stages. Managing timing and dosage may therefore be crucial to maintain optimal pollination and fruit set.



Next Steps

Bee-Tech Group will continue refining protocols to better understand how fertilizers, biostimulants, and other treatments influence pollen health across multiple crops. By combining **pollen viability testing**, **abiotic stress monitoring**, and **pollination**

trials, we aim to help growers fine-tune practices that support both strong plant growth and high reproductive success.

For more information on Bee-Tech Group, visit our website by clicking on the link below or send us an email.

Click Here



Copyright (C) 2025 Bee-TechGroup. All rights reserved.

You are receiving this email because your path has crossed ours

Our mailing address is:

Bee-TechGroup Sardinia Bay Rd Lovemore Park Ah Port Elizabeth, Eastern Cape 6070 South Africa

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe](#)

