

CURRENT CHALLENGES IN GOLD3 KIWIFRUIT NUTRIENT MANAGEMENT RESEARCH

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The current nutrient management practices for G3 need to be optimized in a sustainable manner to potentially improve fruit production with an assurance of high quality standards and minimal impact on environment.

This study will take into consideration the current nutrient management practices and is aimed to manage vine vigour and develop best nutrient management practices to optimize fruit quality and production and preserve environmental quality with cost-effective inputs. It needs profound understanding of source-sink relationship, effective application methods for different nutrients and their interaction, environmental impact and cost efficiency.

The paper will focus on the role of nitrogen (N) and potassium (K) and their interaction with other macro/micro nutrients on nutrient uptake and availability, vine vigour, growth and quality of fruit. Specifically, this paper will discuss and investigate the effect of different forms, rates, and timing of application of soil and foliar applied N and K fertilizer on production and fruit quality.

The paper will also discuss the nutrient budgeting and approaches to minimize environmental footprints.

Editor's Note: An extended manuscript has not been submitted for this presentation.