Case Study:
Increased Tomato Yield with SGI Metabasalt

About The Study

SGI Metabasalt from the Charmian Plant in Blue Ridge Summit, Pennsylvania, was tested as an add-in to potting mix at levels of 0, 5, 10, and 15% (v/v) in a growth chamber. Tiny Tim Cherry Tomato seeds from Seller Seed Needs LLC were planted and fruit yield was measured at the end of the growth cycle. All treatments received a basal dose of Nitrogen, Phosphorus, and Potassium (NPK) after transplanting seedlings and midway through the plant growth cycle.

Key Results

The addition of SGI Metabasalt to the potting mix increased tomato yield by up to 45% over the potting mix, only.

The pH of potting mix is 5.24, which increased to 6.5 at the SGI Metabasalt inclusion rate of 15%. SGI Metabasalt has a liming effect and could bring the pH to optimum levels for plant growth in addition to supplying various plant nutrients.

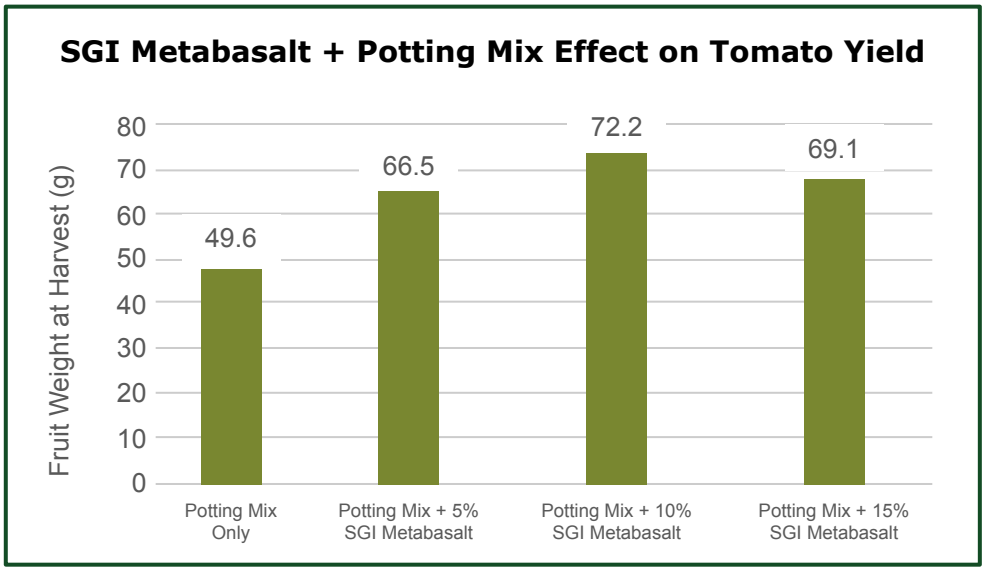

Figure 1. Effect of SGI Metabasalt addition to potting mix on tomato fruit yield.

SGI Metabasalt

- Reliable source of secondary nutrients and micronutrients; other trace elements demonstrated to support plant growth
- Remineralizes soil and increases microbial activities
- Naturally derived, safe for all applications, and OMRI-listed for organic use

Learn More

SGI Metabasalt is available in a variety of volumes to meet your needs. Find out more by contacting:

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