

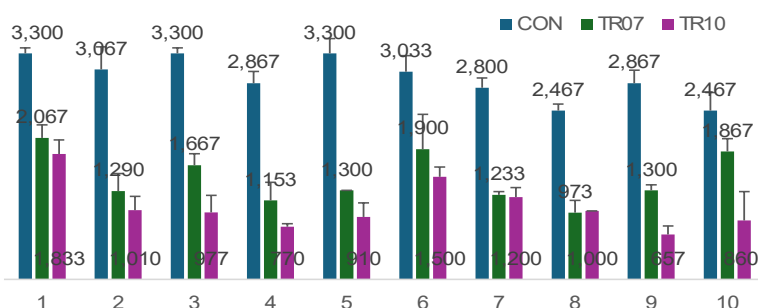
# Functional Crop Research

## Functional Vegetable Production Technology



- Maintains proprietary technology to reduce potassium levels in lettuce through nutrient management
- Maintains over 90% of standard crop yield while lowering potassium content by up to 50%
- Conducting ongoing research on functional vegetable technologies beyond low-potassium lettuce
- Establishing partnerships with institutions possessing related technologies

Potassium Concentration Variation Among 10 Lettuce Cultivars



## Production of Functional Vegetables via Cultivation Control in Vertical Farms

<b>Method</b>	Adjustment of Nutrient Solution to Modify Bioactive Compounds
<b>Current Technology</b>	Low-Potassium Lettuce for Patients with Kidney Disease
<b>Upcoming Technology</b>	High-Calcium and High-Polyphenol Crop Development
<b>Target Market</b>	Medical Nutrition, Functional Foods, and Wellness Diets
<b>Dimensions</b>	No Fixed Standard; Length and Unit Customizable

