

NUTRIENT EFFICIENCY

Mainstay™ Calcium Delivers Superior Plant Assimilation

CUCUMBER

RESEARCH OBJECTIVE

The purpose of the trial was to compare the plant assimilation characteristics among three calcium fertilizers.

KEY OUTCOMES

Redox's Mainstay™ Calcium was assimilated 2.2 to 3.5 times more efficiently than the comparison nutrient products.

BACKGROUND

Cucumbers were grown in a controlled environment greenhouse for maximum radioactive isotope accuracy.

THE TRIAL



WHO:

Dr. Juan Jose Pena Cabrales, Center for Research and Advanced Studies of the National Polytechnic Institute—Irapuato, Mexico



WHAT:

The same rate of calcium was applied via three sources of fertilizer.



EVALUATION PARAMETERS:

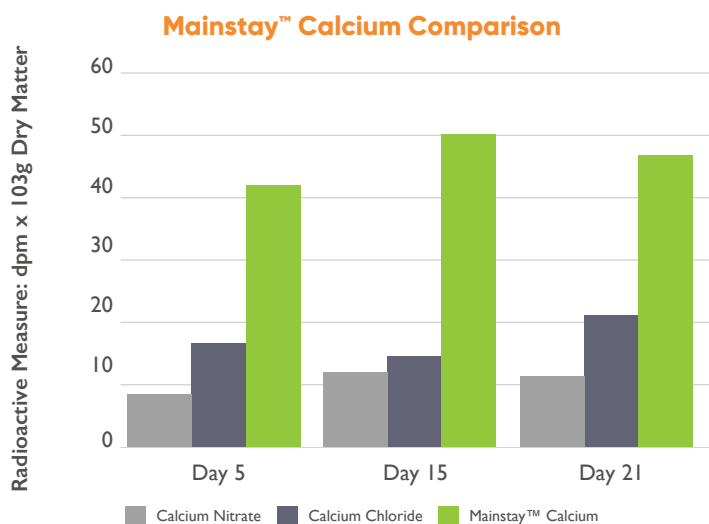
- All calcium products were tagged with radioactive isotopes for evaluation of calcium content in plants.



WHERE: Irapuato, Mexico



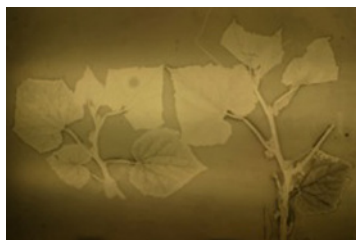
WHEN: The calcium fertilizers were each drenched into the soil after transplant and root establishment.



Ca-CaNO₃



Mainstay™ Calcium



This image shows a single sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.