

## Partial Amino Acid Assay

**Objective:** To compare standard amino acid profiles of vegetables and grass fed two different nutrient solutions: **OceanGrown™ Solution** and the commercially available **Grow Big Hydroponic**.

**Test:** Partial Amino Acid Assay of

- Tomatoes
- Green Peppers
- Wheat Grass

**Test Conducted:** From February to March 2001 by Woodson-Tenent Laboratories, Inc.; a division of Eurofins Scientific, Inc., Memphis Tennessee.

**Under the Supervision of:**  **ABC** Research Corporation

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**Methods:** As set forth by the Association of Official Analytical Chemists in their Method Reference AOAC 982.30 using a **Water Alliance 2690**, Automatic Ionic Exchange Analyzer.

### **Results:**

Tomatoes fed **OceanGrown™ Solution** had a greater concentration of 6 amino acids (from 50-100%) while 10 amino acids were equal and the commercial solution actually had an advantage for 2 amino acids (from 3-50%).

Green Peppers fed **OceanGrown™ Solution** had a greater quantity of 12 amino acids (from 33-550%) while 4 amino acids were equal and the commercial solution actually had an advantage for 2 amino acids (from 50-100%).

### **Conclusion:**

With respect to the tomatoes and green peppers tested, those fed **OceanGrown™ Solution** provided a significantly higher concentration of amino acids than those fed commercial nutrient solution.



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