# Effect of Soil Amendments on Damping-off Disease of Tomato

**Junnel Balofiños Balofiños**

An undergraduate thesis
presented to the
Division of Biological Sciences
University of the Philippines in the Visayas
Miagao, Iloilo

In partial fulfillment of
requirements for the Degree of
Bachelor of Science in Biology

April 1998

Abstract of an undergraduate thesis entitled

**Effect of Soil Amendments on**

**Damping-off Disease of Tomato**

Submitted by

**Junnel Balofiños Balofiños**

for the degree of Bachelor of Science in Biology at the
Division of Biological Sciences
College of Arts and Sciences
University of the Philippines in the Visayas
Miag-ao, Iloilo

April 1998

Different soil amendments obtained commercially were tested for their ability to suppress damping-off disease of tomato. Compost, animal manure, inorganic fertilizer, and green manure were applied to autoclaved soil prior to addition of a pathogenic inoculum. The biological control of the damping-off disease was evaluated by monitoring disease incidence in every plot of 50 seedlings for 25 days. Compost and animal manure significantly reduced disease incidence while green manure and inorganic fertilizer did not yield significant results as compared to the non-amended control soil. Percent emergence, dry matter content, and height were not at all affected by the different treatments.