

WORM POWER

The engine of nature.

Introduction

Worm Power, one of the largest indoor climate controlled vermicompost facilities in North America partnered with a leading research University to conduct a study on the effects of Worm Power Liquid Extract, specifically on cannabis plants. The specific intent was to understand the effect this fertilizer amendment would have on usable biomass yield and cannabinoid content.

Research Methodology

Cannabis plants of high THC variety were grown in a climatic controlled indoor grow room from cuttings. All cuttings were kept under vegetative light cycle of 18 hours photoperiod for vegetative growth. After desirable vegetative growth, plants were subjected to flowering. For the onset of flowering, plants were exposed to 12 hours photoperiod. On maturity, plants were harvested and processed for usable dry biomass.



“Based on the average increase in THC content and average increase in biomass per plant, an increase of about 30% in THC was observed.”

Senior Research Scientist



Research Results

Strain: Proprietary Cannabis Sativa L – High THC Variety
Harvest Date: 11/2019

Plants treated with Worm Power Liquid Extract on average produced 15.1% more biomass. Additionally, THC content potency increased by 13.4% producing and overall increase in THC content of 30.4%. See Table below.

	Weight (g) of Dried Usable Biomass / plant	Δ -9 THC %	Δ -9 THC (g)
Control Average	62.13g	8.38%	5.24g
Worm Power Average	71.50g	9.51%	6.84g
% Increase	15.1%	13.4%	30.5%

