

Root Propagation and Powdery Mildew (PM) Treatment Studies of Various Antimicrobial Solutions on Strains of Cannabis sativa

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PROBLEM STATEMENTS:

- ❑ Microbial pests from molds, mildew, fungus, bacteria, and other pathogens damage crop value, making them noncompliant and unsellable or reduce yields.
- ❑ Cannabis cultivators face cost pressure from competition, accordingly faster root propagation and cloning rates will reduce production costs.
- ❑ Many anti-microbial agents are unsafe for workers and the environment and are not produced sustainably.

METHOD:

- ❑ Aqueous solutions Amino Acids and Salts are activated in an Electrolytic Cell.
- ❑ Various dilutions of these solutions are Foliarly fogged or sprayed on Cannabis plants during Growth & Post-Harvest as well as their Grow facilities and wiped on work surfaces.
- ❑ Other dilutions of these solutions are Foliarly sprayed on Cannabis Cuttings at several points during clone-dome and Aeroponic cloning.

POWDERY MILDEW RESULTS:



Before Spray

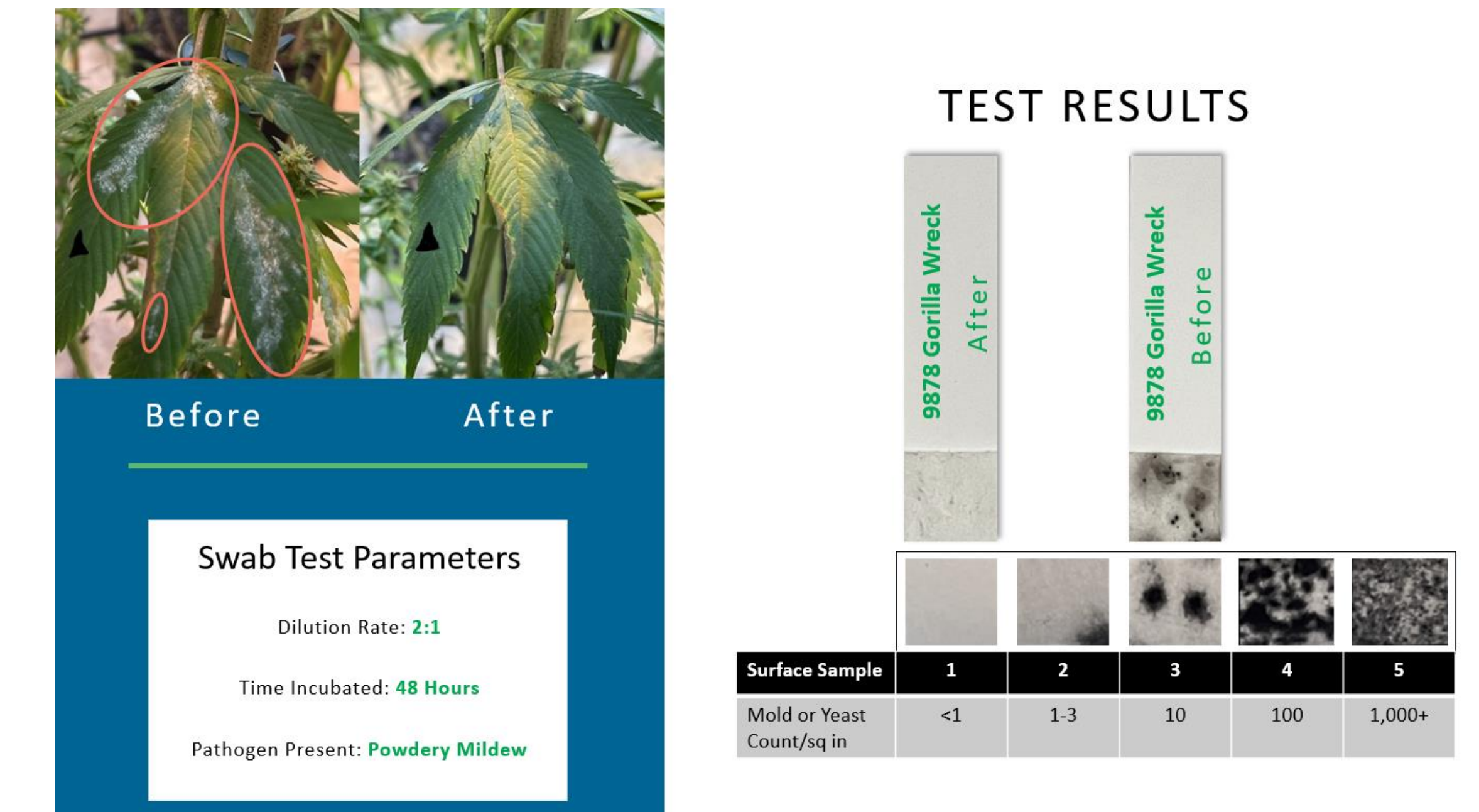
After Spray

Complete Elimination of PM using a 3:1 Dilution of Electrolyzed Amino Acids & Salts

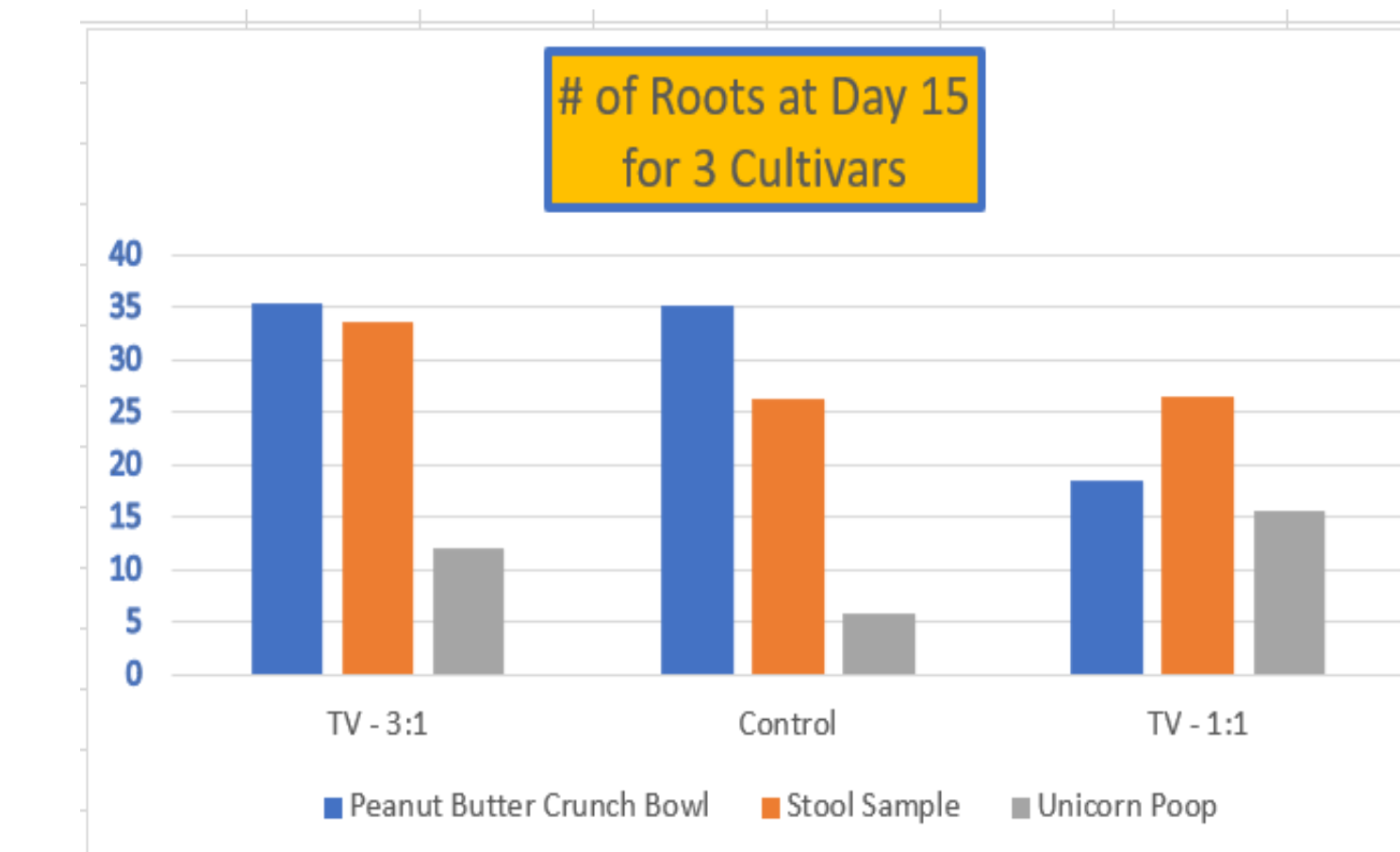
Naturally occurring Amino Acids and Salts when Electrolyzed treat Powdery Mildew & Molds, Serve as a Nutrient for Root Growth during Cloning, and are Safe for Workers and the Environment.



SWAB RESULTS BEFORE & AFTER:



ROOT PROPAGATION STUDIES:



Clone Dome Study:
TV 3:1 Produced Faster Rooting

Sour Diesel at Day 15 w/TV 3:1

SAFETY IS OUR PRIORITY

Setting a higher standard in Integrated Pest Management



Safe for People

- Mimics mammalian process for fighting infections
- Zero byproducts
- No hazmat reporting required
- Extensive PPE not required

Safe for Plants

- All-natural and free of heavy metals
- No toxic residues on plants
- Applicable across the growth cycle

Safe for Planet

- Degrades back to inert salts and amino acids
- Offsets plastic containers from traditional treatments
- Replaces toxic chemicals that may threaten surrounding ecosystems

CONCLUSIONS:

Electrolyzed naturally occurring Amino Acids and Salts treat PM on Cannabis resulting in Healthier Plants which during Cloning, have Accelerated Root Growth. No PPE is required & TV produced on site sustainably.