



IMPLEMENTING AN EFFECTIVE PATHOGEN MANAGEMENT PROGRAM USING PLANT GUARD

Prevention: The Foundation of Plant Health

Sanitation Protocols

- Establish clean room procedures for personnel
- Implement regular cleaning schedules for equipment and surfaces
- Create quarantine protocols for new plant material
- Regular application of Plant Guard as preventative treatment

Intervention: Effective Treatment Strategies PLANT GUARD APPLICATION GUIDELINES

A. Plant Treatment

1. PREVENTATIVE APPLICATION

Dilution Rate: 8 oz per gallon (16:1)

Application Method:

- a) Mix 8oz Plant Guard per gallon of
- b) Spray thoroughly on all plant surfaces
- c) Allow to air dry naturally
- d) Apply twice weekly as a preventative measure

Benefits: Proactive protection against powdery mildew, downy mildew, botrytis, and other common crop pathogens

2.TREATMENT APPLICATION

Dilution Rate: 16 oz per gallon (8:1)

Application Method:

- a) Mix 16 oz Plant Guard per gallon of water
- b) Thoroughly wet all affected plant parts
- c) Allow to air dry naturally
- d) Apply once daily until infection is eliminated, plus several additional days to ensure complete control
- e) For severe infections, may apply twice daily with minimum 8-hour intervals
- f) Return to preventative application once infection is eliminated

Benefits: Quick, effective elimination of active pathogen infections without harming plants or beneficial microorganisms

B. Irrigation System Treatment

Dilution Rate: 1oz per gallon (128:1)

For Pathogen and Biofilm Prevention:

- a) Use dosing equipment to introduce Plant Guard into primary water supply lines
- b) Maintain concentration at or below 4 ppm FAC (Free Available Chlorine) in irrigation lines
- c) For water storage tanks, add 1 oz Plant Guard per gallon of water
- d) Continue normal irrigation practices while maintaining protection

Benefits: Prevents biofilm formation, keeps irrigation lines clear, ensures clean water delivery to crops



C. TOOLS, EQUIPMENT & SURFACE DISINFECTION

Dilution Rate: 32 oz per gallon (4:1)

Application Method:

1. Mix 32 oz (1 quart) Plant Guard per gallon of water
2. Apply to tools, equipment, work surfaces, grow rooms, and common areas
3. Allow to air dry - no rinsing required
4. Apply daily to maintain a clean growing environment

Benefits: Eliminates cross-contamination risks, creates a hygienic growing environment, extends equipment life

PLANT GUARD QUICK REFERENCE DILUTION TABLE

Application	Plant Guard	Water	Ratio
Water/Biofilm Treatment	1 oz	1 gallon	128:1
Foliar Prevention	8 oz (1 cup)	1 gallon	16:1
Foliar Treatment	16 oz (2 cups)	1 gallon	8:1
Tools/Equipment /Surfaces	32 oz (1 quart)	1 gallon	4:1

For technical support or ordering information, contact us at:

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