

# *Terramaster Experiment*

## *Murray State University, 2003*





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- **Objective:** compare Terramaster 4EC and Terramaster 35WP formulations in single (curative) and sequential (preventative) applications for *Pythium* control and tobacco response.
- Rickard's 'Narrowleaf Madole' dark tobacco seeded into standard 242-cell float trays.
- Terramaster applications at 3 and 6 wk after seeding
- Evaluations of root and shoot response, plant height, algae and *Pythium* control made throughout experiment
- Root and shoot mass harvested at 8 wk after seeding

# Terramaster Experiment

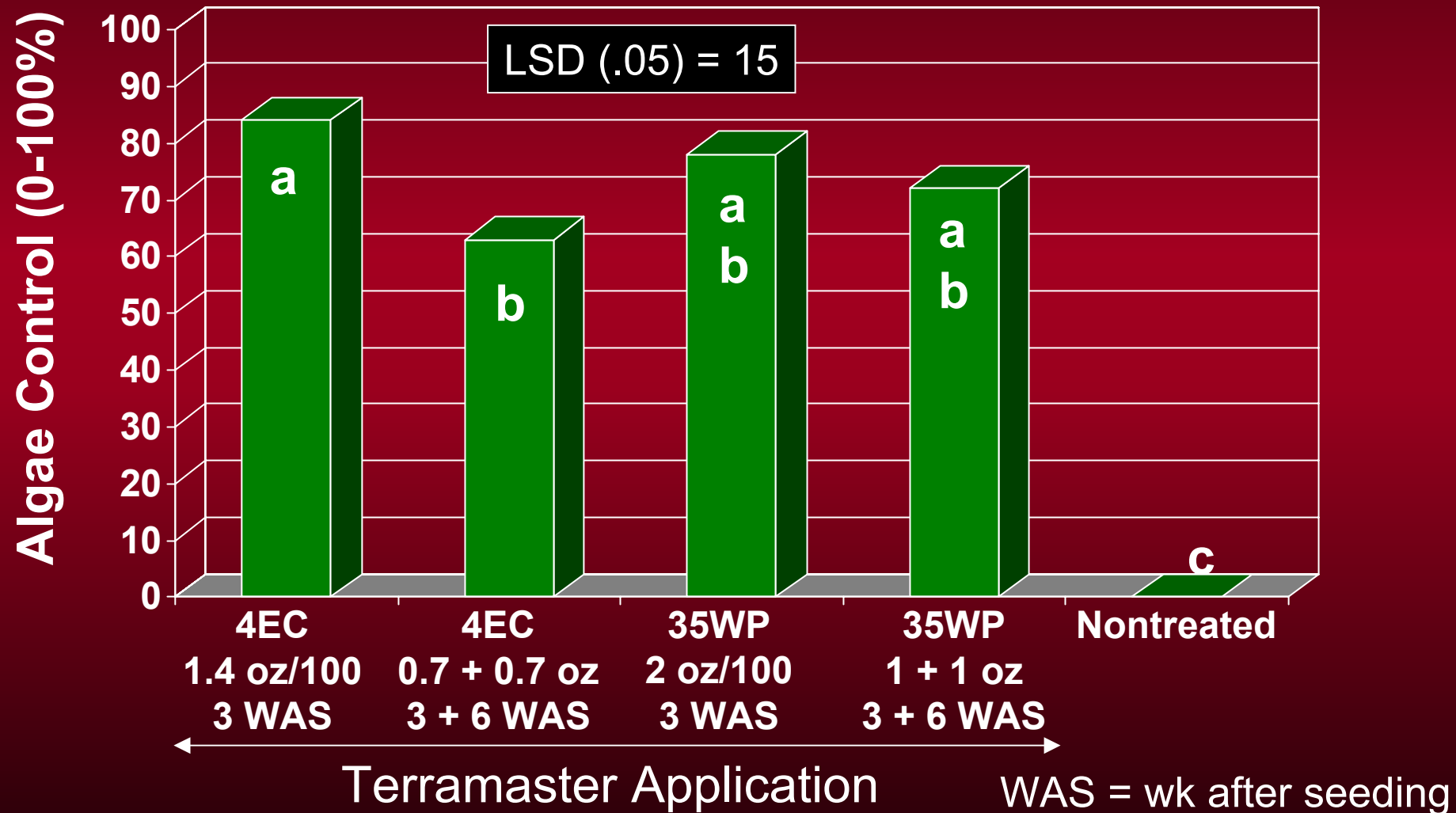
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- Treatments:
  - 1) Terramaster 4EC (1.4 oz/100 gal) 3 wk after seeding
  - 2) Terramaster 4EC (0.7 oz/100 gal) 3 wk after seeding  
Terramaster 4EC (0.7 oz/100 gal) 6 wk after seeding
  - 3) Terramaster 35WP (2 oz/100 gal) 3 wk after seeding
  - 4) Terramaster 35WP (1 oz/100 gal) 3 wk after seeding  
Terramaster 35WP (1 oz/100 gal) 6 wk after seeding
  - 5) Nontreated check

# Terramaster Experiment

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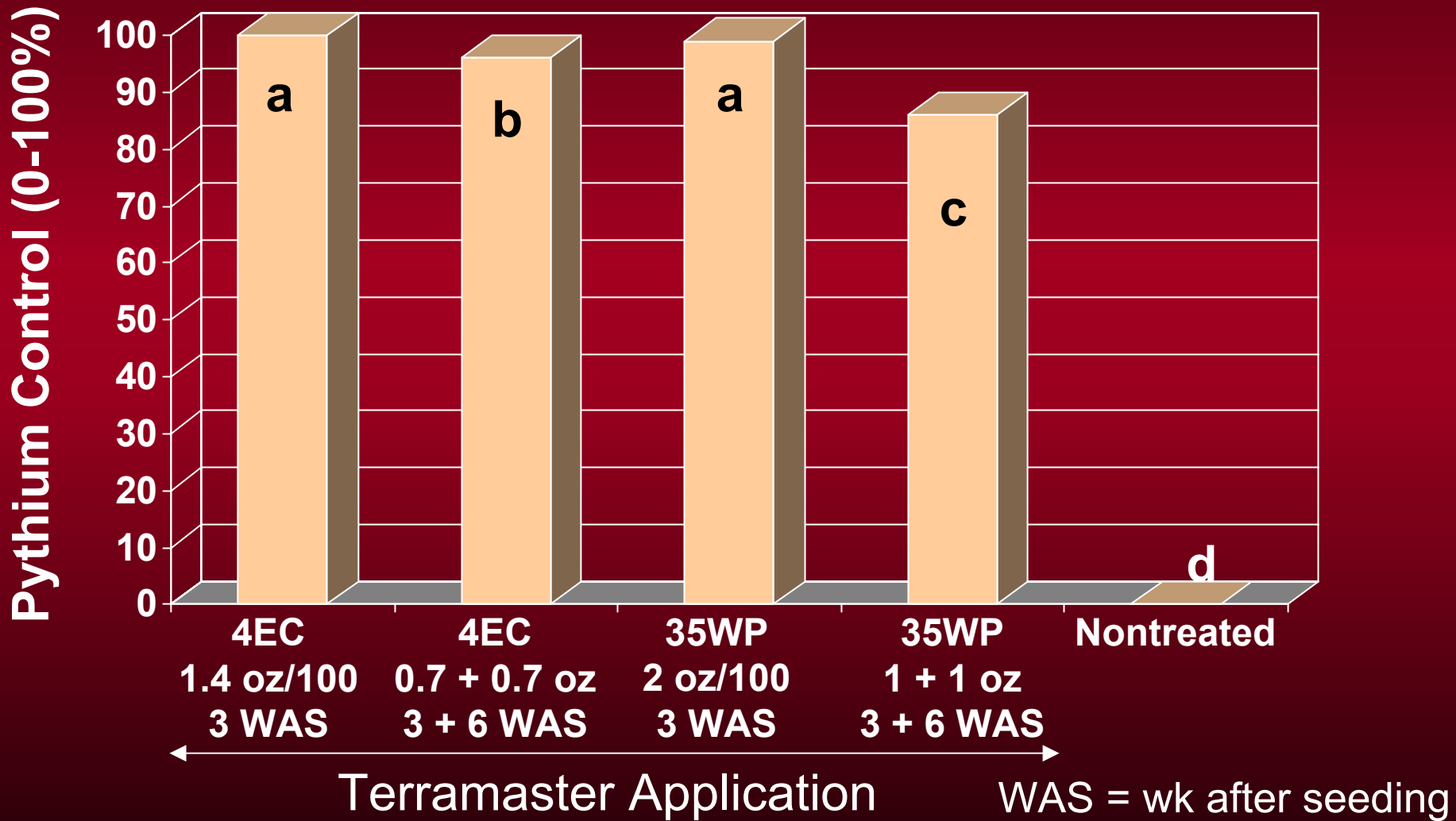
### Visual Algae Control at 1 wk after 1<sup>st</sup> Application



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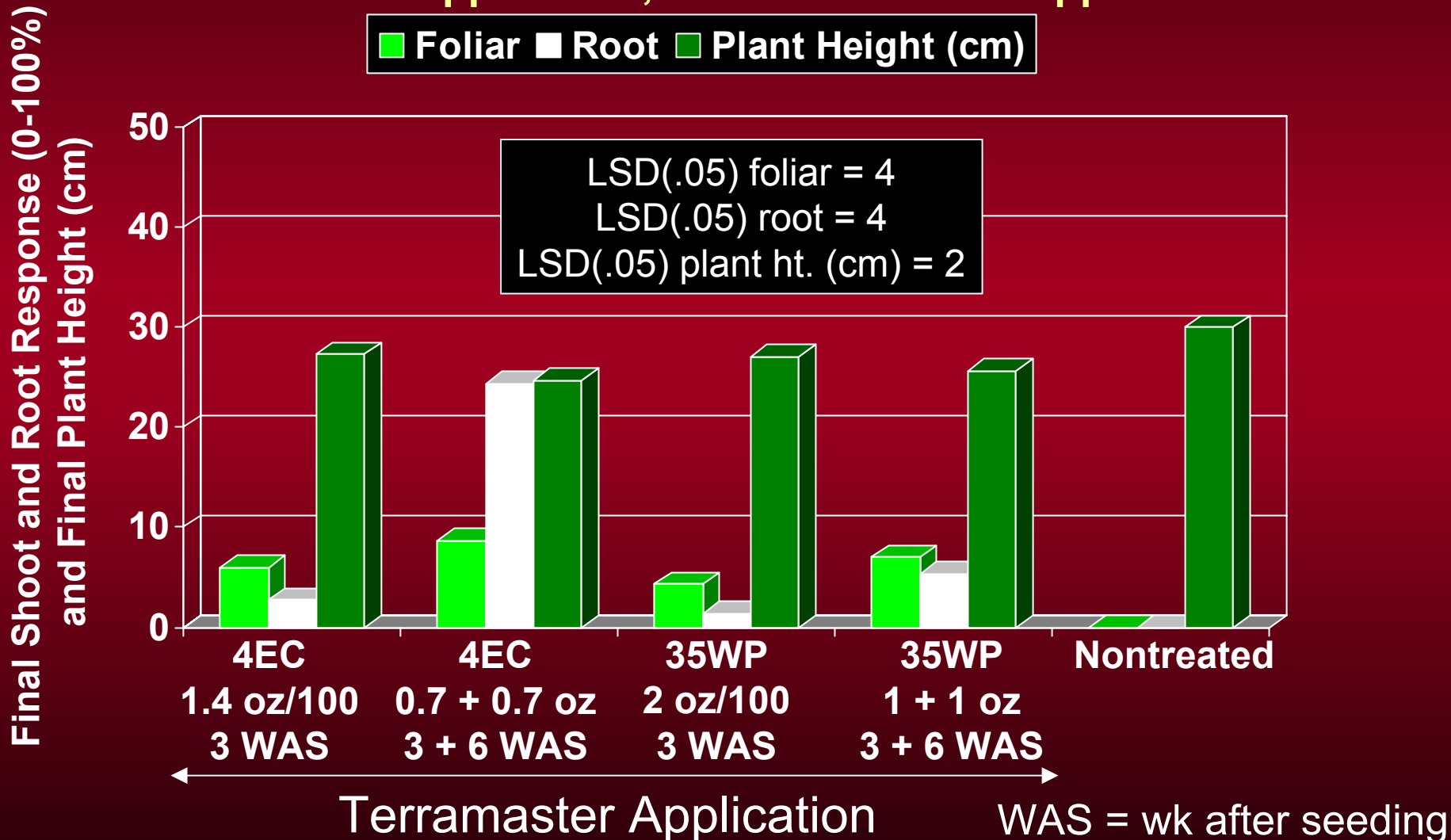
Visual Pyhium Control at 2 wk after 1<sup>st</sup> Application



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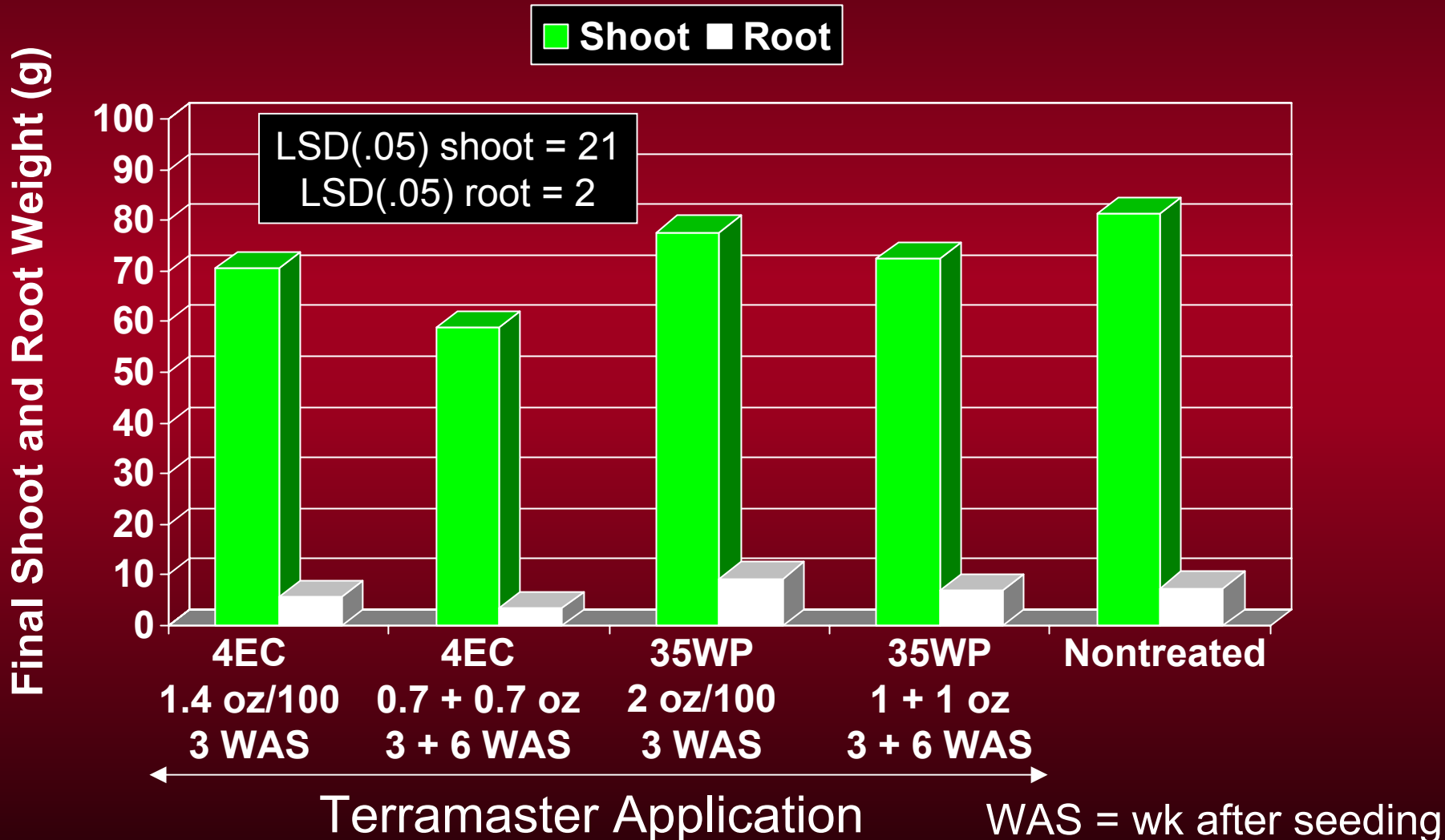
Final Root and Shoot Response at 8 wk after seeding  
5 wk after 1<sup>st</sup> application, 2 wk after second application



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Final Root and Shoot Weight (g) at 8 wk after seeding  
5 wk after 1<sup>st</sup> application, 2 wk after second application



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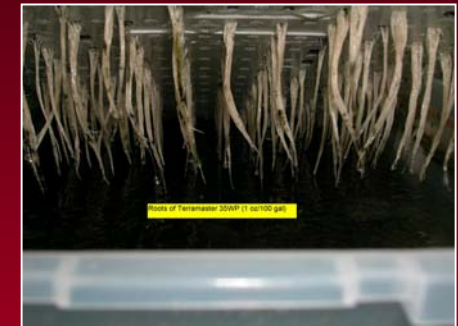
Nontreated



Terramaster 4EC  
0.7 oz/100 gal



Terramaster 4EC  
1.4 oz/100 gal



Terramaster 35WP  
1 oz/100 gal



Nontreated

Terramaster

- Root and foliage stunted initially, but rapidly recovers.
- Does not produce a bigger transplant
- Produces a transplant with **healthier roots**.
- *Pythium*-free transplant may be **less susceptible to other diseases in the field**.