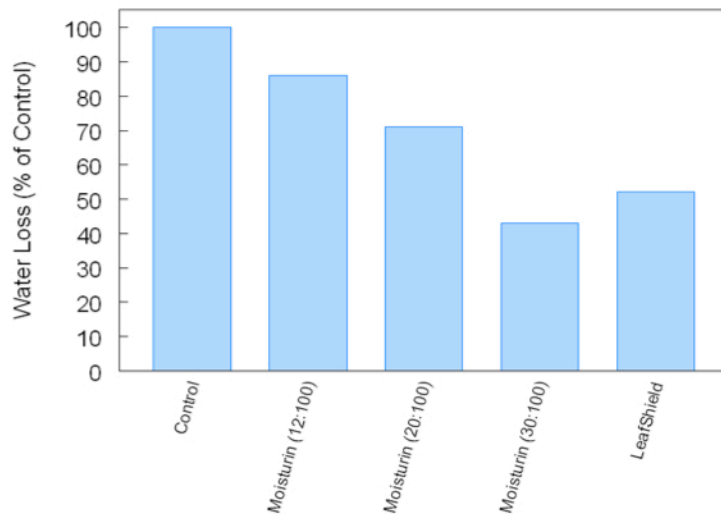


Moisturin Response

Conifer seedlings treated with the Moisturin product just after being placed in Zone #3 and then exposed to a drying event. Seedlings had the following response:

- Control seedling shoot systems dried rapidly after exposure to a drying event. This rapid drying continued beyond the point that seedlings had supposedly closed their stomata, indicating that these seedlings had yet developed a sufficient cuticle to avoid desiccating drought conditions.
- The Moisturin product was effective at reducing the water loss from miniplug seedlings. As the application concentration of Moisturin was increased, there was a dramatic reduction in seedling water loss.
 - Moisturin (12:100) = 86% of control seedlings
 - Moisturin (20:100) = 71% of control seedlings
 - Moisturin (30:100) = 43% of control seedlings
- LeafShield (Another antitranspirant product that wax coats seedlings but has some toxicity effects on subsequent seedling performance.) applied at the recommended rate was nearly as effective as Moisturin at a 30:100 concentration.



Control



Moisturin (12-100)



LeafShield



Moisturin (30-100)



Moisturin (20-100)



CELL FOR INC. TEST RESULTS

water loss % for treated and untreated conifer seedlings