

## Propagation case studies

Pictures were taken from various nurseries from Tasmania to Cairns with a vast array of different crops and conditions. The Bioactive Soil Solutions Program has consistently improved propagated crops across Australia by adding in specific bacterium and reducing other inputs into the potting media.



*Fig 1. Forestry nursery in Tasmania note the improved root health and density of the treated growing media. (Bactivate treated on left)*



*Fig 2. Nursery in Cairns (Bactivate treated on left) Note the increased root density between treated and untreated growing media*



*Fig 3. Nursery in Cairns. Lettuce plants with increased growth and root density (Bactivate treated on right). Further to this there was reduce evidence of plant diseases on plants from treated growing media.*



*Fig 4. Allens Nursery in Tasmania. Bactivate program treated on right, conventional treated on left. Note the increased growth and foliage density with the treated plants.*



*Fig 5. Conventional (Bactivate treated on right)*



## Further vegetable trials



Fig 6. Melon Farm in Northern Territory. Bactivate program treated plug (3 wks) on left, conventional treated plug on right, note increased plant and root growth.



Fig 7. Melon Farm in Northern Territory. Bactivate program treated plant on left, conventional treated plug on right at plant-out stage.



Fig 8. Vegetable patch Burnie in Tasmania. Nematodes affected carrots (left) and Bactivate program treated in the same row (right).





*Fig 9. Untreated end of row corn (left), Bactivate treated end of same row. Burnie in Tasmania.*



*Fig 10. Vegetable patch Burnie in Tasmania. Left row planted with conventional treatments, plants struggled to germinate. Right planted with Bactivate Program.*