

# *Experiments which show the effect of urine on accelerating tree growth*



*Peter Morgan*



***Urine contains a great deal of nitrogen and many trees as well as maize and green vegetables can respond to this.***

***The two buckets were filled with the same soil and each with a single seedling of Eucalyptus grandis on 20<sup>th</sup> March 2009. After the seedlings were stabilised 125mls of urine diluted in water to make 400mls was added to the treated tree once a week. Both trees were also watered regularly to keep healthy. The photo on the left was taken on July 9<sup>th</sup>.***





***This dramatic  
shows the  
effect of urine  
treatment on  
August 30<sup>th</sup>  
2009.***

***That is after  
5 months***





## ***Method of applying urine***

***A pill bottle containing 125mls of urine is poured into tin can of 400mls capacity. The can is topped up with water and the mix is poured onto the soil around the tree.***





# ***Method of applying urine***

**A series of gum trees (*Eucalyptus grandis*) were planted in deeper planting bags half a metre in depth filled with compost from *Fossa alterna* toilet and treated with urine every week. This considerably accelerated the growth of the trees compared to trees held in the original seedling bags. Left photo dated 9th July 2009 and right photo 6<sup>th</sup> October 2009.**





***Gum trees planted around an toilet with unlined pit  
(experimental) and fed diluted urine weekly.***

**Trial in the schools outreach program. Gum trees planted 19<sup>th</sup> November 2009 (left) and growth by 15<sup>th</sup> February 2010. This is just less than 3 months. Weekly treatment 2 litres of urine in 10 litres of water for 2 trees followed by watering**





# ***Gum trees planted around an Arborloo in the school***

**Trial in the school. Trees planted on 9<sup>th</sup> October 2009 (left) and growth by 16<sup>h</sup> February 2010. This is just over 4 months. Urine treatment stopped during the school holidays. In this type of Arborloo, the trees are planted around the toilet and grow whilst the toilet is in use. When the pit is filled the toilet and slab are removed and the pit contents covered with soil.**





***The  
gum trees after  
9 months  
urine  
treatment.***

***This method is  
also being  
used on gum  
trees planted  
in  
woodlots***

