



Envirogenics was a wholly owned private Australian company that processes natural organic by-products of cattle feedlots and pig production centre into an environmentally sustainable, fully composted, pathogen-free and odour less soil conditioner.

This Queensland based company marketed to both local and overseas with products available from a 25kg bag to a 25 tonne truck load or a large shipping container to major businesses including broad acre, small crop farms, plus many turf farms, golf clubs.

Production of compost was on-site and developed by placing cattle manure into large windrows where sawdust and water were added, and the windrows then turned on a regular basis. Once the product reaches maturity, it was then screened, tested and then marketed. These processes depend on variations in dry matter of the material and weather and tend to take an average of 18-20 weeks.

Compost from Envirogenics had the certification of the Biological Farmers approval, (BFA) for application to organically grown crops. It is also HACCP accredited through Sci-Qual, a health and food regulation for pathogens. The company therefore strives for a quality finished product that remains consistent.

One of the major production centres for Envirogenics was at Jondaryan, (outside of Toowoomba) where at Kerwee feedlot some 9000 tonnes of compost was processed annually. This will increase as Kerwee increased their numbers of cattle to about 10,000 head.

The Managing Director then, Richard Armstrong commented on the quality of Kerwee Lotfeeder's waste, following the introduction of BioAktiv water supplement to the feedlot operation.

" We have been working with Kerwee for some 7 years or so and their operations are amongst the best in Australia. In October 2004, Kerwee commenced using BioAktiv water supplement by injection into the drinking water of cattle. Before BioAktiv was utilized by Kerwee, their waste product was the best that we processed. Low stocking rates and good diet meant that the waste would be delivered with reduced odours and in a more powdery form than from other centers where we work. At other feedlots the waste tends to be received in a hard slab type form with considerable odour.

We have noticed that since the introduction of BioAktiv the waste is delivered in an even better form and with a reduction in odour. Interestingly, it now takes around 2 weeks less time to fully compost, a time saving of about 15%. With the waste from Kerwee, the recovery rate was in the order of 100%, that is for every tonne of waste received, Envirogenics ended up with a tonne of finished product.

In other centers we have a loss factor between 25-35%, and some of this is due to stones and excessive moisture. To have a product where this factor is virtually nil is a bonus for both us as marketers and for the feedlot as wholesalers of the product to Envirogenics.

Another factor is that the nutrient content of the product has been increased. Although this may be due to other factors, such, as diet changes, but from where we sit, it becomes a positive for our product.

In summary of any changes over the past two to 2 - 3 years since the introduction of BioAktiv, the Kerwee operation has seen a reduction in compost processing time of about 15%, a reduction in odor levels, an increase in nutrient levels and a finished product ratio of about 100%, all very economically significant.



Richard Armstrong
Managing Director, Envirogenics