



# Waterland Management



## Aquasonic NT6 Wharton's Nurseries



Reservoir in Spring



Reservoir in Autumn

Wharton's Nurseries in Norfolk grow roses in the field and in glasshouses. They use water from an on site butyl lined reservoir. The water comes from the adjoining ditch system and is full of nutrients. The result is that the reservoir is usually a carpet of thick green filamentous algae by the middle of Summer.

The reservoir is about 120 m long by 30 m wide, and about 3 m deep in the centre. One Aquasonic NT6 unit was installed using solar power supply at the end of May 2007, when algae was already in the reservoir. It was anchored using a rope across the reservoir and pointed along the long axis of the reservoir. There was good sound quality at all points around the reservoir. Wharton's cleaned out the algae in the reservoir after the unit had been installed and it has not grown back all summer. There is dead algae on the bottom of the reservoir because filamentous algae takes between 6 and 8 months to decay *in situ*.

The savings in time spent cleaning the algae off the reservoir and the costs of blocked nozzles and irrigation pipes and filters will save the cost of the unit in under a year. This unit now runs of mains power, consuming 0.04 KWh, costing about 7 pence a day to run, or about £25 a year.

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