

SOUTH EAST QUEENSLAND IRRIGATION FUTURES SEQ-IF

Rural Water Use Efficiency
For South East Queensland



*“The bore, water storage
pond and our efficient
irrigation system provides
Tingalpa Wholesale
Nursery with a very high
level of water security
and peace of mind”
Philip Taylor 06.11.2009*

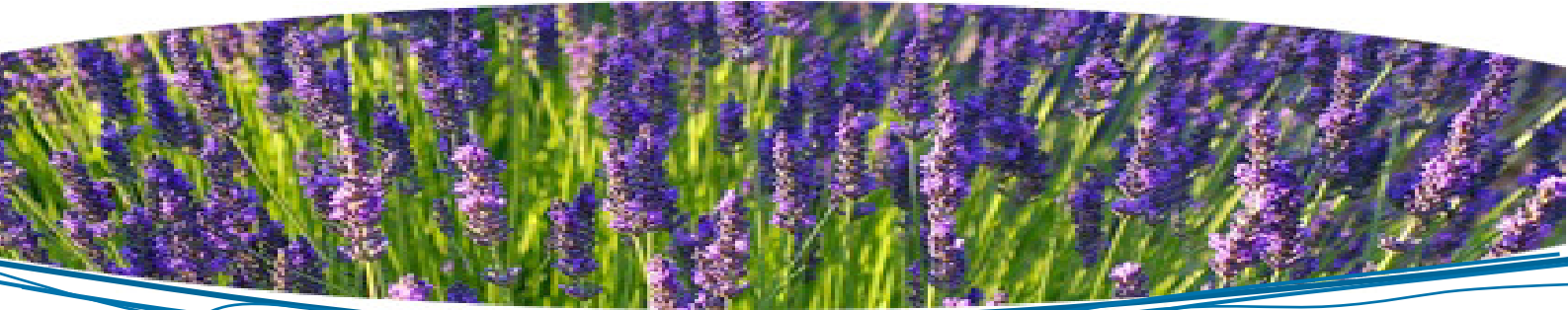
TINGALPA WHOLESALE NURSERY—WATER USE EFFICIENCY

Tingalpa Wholesale Nursery is situated on 25 acres at Sunnydene Road Capalaba West. The site has three acres of stock plants and more than thirteen thousand square metres of indoor foliage plants growing under protected structures. Irrigation water is supplied from a ten thousand litre an hour bore and a twenty megalitre retention storage pond. Water from the retention pond is disinfested via a SSF, Slow Sand Filter system before entering the one hundred and thirty thousand litre main irrigation water storage tank. Roof water and nursery waste water are channelled via silt and debris traps to the storage pond.

Tingalpa Wholesale Nursery is a family owned business operated by Philip Taylor and his two sons, Stephen and Joel. The business began operations in 1986 at Tingalpa, expanded in 1992 to Wakerley and finally the present site at Capalaba West was purchased in 2002. The 25 acre Capalaba West site was originally an Ingham Chickens broiler farm and the existing sheds have been converted to glasshouse production along with the new interconnected shadehouses. The nursery produces top quality indoor foliage plants specialising in Dracaena, Chamaedorea, and Yucca marketed directly to the interiorscape industry, other wholesale nurseries and garden centres Australia wide.



SEQ Irrigation Futures - Tingalpa Wholesale Nursery—Water Use Efficiency



Tingalpa Wholesale Nursery's first production run of interior foliage plants on the Sunnydene Road site occurred in mid 2005 relying only on the reticulated town water supply. In February 2007 the nursery began a year long program of upgrades to the irrigation system to provide water independence and security into the future. The plan was developed to catch, treat and reuse all nursery wastewater along with water collected from shed roofs and roadways. The upgrades have delivered savings of \$16,000 alone on town water costs per year.

The nursery installed:

- Twin set 4kW Calpeda pumps
- Techsys VFD pump control system
- 130,000 litre main irrigation water storage tank
- 75,000 litre SSF, Slow Sand Filter disinfection system
- 2 x Amaid media filters in line
- New 2 wire 'Teven Logic' irrigation controller
- Irrigation system using Netafim SpinNet sprinklers (orange 90 jet at 2.4 x 2.4m)
- Drainage system incorporating silt and debris traps (570m of concrete drains & 80m of 300mm pipe)
- New bore 10,000 lph
- Bitumen sealing of road and carparks for catchment
- Aeration of the 20ML retention pond

Some other Tingalpa Wholesale Nursery facts:

- 25 acre site at Sunnydene Rd Capalaba West
- 5,200 m² glasshouse production area
- 5,200 m² shade production area
- 2,100 m² shade stock area
- 12,000 m² full sun stock area



For more information contact:
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Savings of \$16,000 on town water costs alone



The SEQ-IF program is a partnership between the Nursery & Garden Industry Qld. and the Queensland Government to provide on-farm support to growers in Water Use Efficiency and the Nursery Production Farm Management System through on-farm assessments, information support and training.