

HTM COMMERCIAL HORTICULTURE

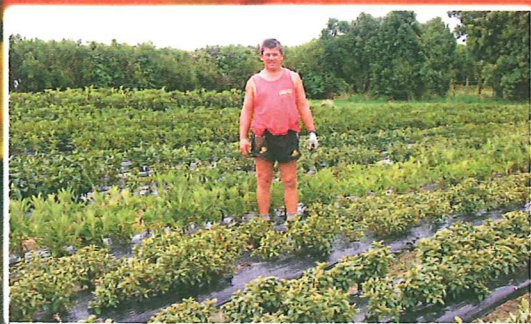
MAGAZINE OF THE NURSERY INDUSTRY

FEBRUARY - MARCH 2010

**Magic of
the Rose**

FEATURE NURSERY

Te Karanga



**What's
killing
our
Kauri?**





This pond at Kingflora covers 1080sq m

Secure water supply - installing a pond may be the answer

SIXTEEN MONTHS AGO, nurseryman John Francis, of Kingflora Nurseries in Waimauku, installed a 1080sq m holding pond to supply water to the market gardening side of his operation.

The pond collects water pumped up from two dams and a bore, and is waterproofed with a Firestone PondGard liner supplied by Cosio Industries of Auckland.

"PondGard is a very good product and great for storing water. It is a cost but once you've formed the dam and had the membrane installed, you really have no more worries," John says.

Cosio's believe other growers could consider installing ponds or dams to collect water from roof run-off or bores. This would ensure they have a constant water supply and in many instances, also open up possibilities for recirculating and recycling.

As earth dams will leak water, Cosio's say the quality of the lining membrane is a significant factor in

their success and that their Firestone EPDM PondGard material is an ideal geomembrane to use.

It is a cured, single-ply synthetic rubber membrane 1.02mm thick. Its high elasticity and high elongation rate (300 percent) gives it the flexibility to adapt to different pressures. A geotextile underliner increases its resistance to puncturing up to 600 percent.

PondGard comes in a number of panel sizes, the biggest being 15.25m x 61m or enough to cover 930sq m. Extra panels are joined using specially formulated primers and vulcanising tapes. Punctures can be easily fixed as one would mend a bike tube.

The liner membrane

Pictures at right show the Kingflora pond being excavated and formed, then lined. Sections of the liner are joined with special tape

comes with a 20 year warranty, although the USA-based manufacturers give it 50-year life expectancy, making it a very good investment compared with other liners.

Cosio and their installation contractors say they will assist with designing a pond to achieve the client's volume requirements in the space available.

Cosio Industries was founded in 1985. It supplies a wide range of horticultural, agricultural and construction fabrics and plastics including windbreak, shade cloth, birdnet, weedmat and weed control fabrics as well as greenhouse covering films and reinforced plastic film, plus a full range of accessories.

For more information, contact Vaughan Podbieleski 09 820 0272 or email vaughan@cosio.co.nz



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