



Technology Description



NemGenix is using a technology known as RNA interference (RNAi), which received the Nobel Prize for Science in 2006. NemGenix is licensed under the CSIRO patent portfolio which claims the use of this technology for crop development. NemGenix is applying RNAi technology to develop 'synthetic' resistance genes against a range of economically important nematode pathogens, and introducing them into crop plant varieties. Expression of these genes will 'silence' critical target genes with the result that the pathogens can no longer survive in the plant, and the losses to crop yields are therefore prevented.

Value Proposition and Competitive Advantages

NemGenix is developing new varieties of wheat, sugarcane and other crops that will be resistant to plant parasitic nematodes. Such pests affect nearly all crop species and it is estimated that they cause more than US\$100 billion of crop losses each year, worldwide, and an estimated \$450 million of losses in Australia. An opportunity has arisen because the top five nematocide chemical control products (representing 65% of the \$1 billion pa market) are being phased out, or have been put under restricted use mandates, due to environmental and health concerns. With no new chemical control products on the horizon, and with GM crops now being accepted increasingly around the world, NemGenix is well placed to meet the market demand for new approaches to nematode control. NemGenix has competitive advantage because it has world class patented technology from CSIRO, the research team funded by NemGenix in India was the first group in the world to prove that the technology could control plant parasitic nematodes, and NemGenix's Chief Scientist, Professor Mike Jones, is an internationally renowned expert in the field of plant nematology.

Current Status/ Next Steps

In December 2007 NemGenix won a \$320k Commonwealth Government grant to develop new varieties of nematode resistant wheat, and in January 2008 the venture capital company StoneRidge Ventures invested \$500k. NemGenix is currently in early stage discussions with a major multinational company regarding their interest in NemGenix's sugarcane programme.

Funding Requirements

NemGenix is seeking \$1m of further investment. The share price will be given upon expression of interest.

Contact Details

Dr Sean Hird, CEO Nemgenix Pty Ltd
Sean.hird@nemgenix.com
+61 (0) 429 095 898