

# NIWA Natural Solutions

*NIWA Natural Solutions commercialises products and technologies developed by NIWA. It bridges the early-stage development and finance gap by:*

- *identifying product opportunities;*
- *undertaking and facilitating technological or commercial feasibility;*
- *funding product and market development;*
- *creating and implementing partnership and commercial arrangements.*



## Kingfish go commercial

We are providing the springboard for New Zealand's first commercial marine finfish production with the supply of 170 000 yellowtail kingfish fingerlings to customers in the Marlborough Sounds this year.

The finger-sized fish were reared at NIWA's Bream Bay Aquaculture Park, the only hatchery to produce commercial quantities of kingfish fingerlings. This breakthrough was achieved through refinement of early feeding and husbandry techniques, resulting in a five-fold improvement in survival and production numbers this year.

Kingfish is the first of several high-value aquaculture species NIWA is developing. Our aim is to help diversify the New Zealand aquaculture industry, and enhance earnings from existing aquaculture space.



## A natural solution to weed control

NIWA Natural Solutions has joined forces with a leading US weed control company to target New Zealand's growing freshwater weed problem.

Freshwater weeds are costing this country an estimated NZ\$18–40 million per annum, with serious impacts on biodiversity, hydroelectricity generation, water extraction, and amenity values.

Mycoherbicides offer an effective, environmentally-friendly solution to this problem. Based on naturally occurring pathogens extracted from fungi, they target specific weeds, leave no toxic residues, and are completely biodegradable.

We are in the early stages of developing a mycoherbicide from a candidate fungus with our US collaborators.