



# Israel

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## Aquaculture: Fish Farming and related Technology



Commercial fish farms provide not only a food staple, but much needed daily protein and other nutrients for people globally. Fresh-water fish farming is difficult, and Israeli technology is used globally to bring healthy fish to the market at reasonable prices.

To increase productivity in areas where fresh water is scarce, Israeli businessmen and scientists have teamed up to create a solution which has been exported world-wide. An integrated technology manages water flow and recycling to remove wastes such as ammonia from fish tanks, while at the same time replenishing oxygen in water so the fish can flourish in an ideal environment, all while not wasting precious water resources.

Water in fish farms is regularly circulated to reservoirs where specially grown algae and other bacteria clean fish waste water naturally, and remaining solid waste products are removed and used on farms as fertilizer, thus nothing is discarded in the process. The reclaimed water is later moved back to fish tanks where it is re-oxygenated for the next batch of fish. With this Israeli technology, no water is wasted, fish are grown at low costs resulting in low food costs for consumer, and the natural fertilizer byproducts help the environment.

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