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Aquaculture in Texas could bring in millions, improve fish products

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Aquaculture has come to Texas, and in 10 more years could be a \$1 billion industry

Also known as fish farming, aqua-

ish harvests have not kept pace with aquaculture products. the steadily increasing per capita Furthermore, Davis said the Japa-consumption, and the world's oceans nese are developing aquaculture in are limited, aquaculture is the only other countries as well. way to meet the supply. "They are the major

way to meet the supply. That supply is currently being met by importing fish from other the said. "Their money is out develcountries. For example, compared to Japanese per capita shrimp con-sumption of 12 lbs., Davis estimates the average United States per capita consumption of shrimp to be about

products, the No. 1 deficit in balance of payments is fish and shellfish," Davis said. "As a result, we are becoming a net importing country." The 1987 federal balance of pay-

ment deficit for fish and shellfish was \$17.4 billion, Davis said. In culture is the cultivation of plants other words, the United States im-and animals for economic reasons under controlled and semi-con-products than it sold.

Jim Davis, extension fisheries spe-cialist at Texas A&M, said that be-cause "wild-caught" fish and shellf-not wild-caught, but pond-grown

oping aquaculture all over the world.

If aquaculture does in fact become 5.2 lbs., 80 percent of which comes a \$1 billion industry, Davis predicts from Japan. the United States will be able to re-

"With the exception of petroleum duce its dependence on foreign fish by about one half.

Besides providing extra income, aquaculture will improve the quality

of fish products. "Farm-raised fish can be harvested at the peak of freshness, time, and size resulting in a better, higher quality product for the same price," Davis said.

In addition, Davis said unlike wild-caught fish products, the pro-ducer is able to make changes in the environment conducive to better quality.

Feed, for example, can be altered to produce bigger, better tasting fish in much the same way cattle feed is manipulated to provide leaner beef, he said. With fish farms, however, the specially formulated food is the only thing for fish to eat

Retail quality would also improve, since the farm-raised product would have to meet more stringent U.S.D.A standards along the process, not just before sale. Davis said the imported products

also met government standards, but

just barely. In addition, he said inspecting all the imported fish products was very expensive.

From an environmental standpoint, aquaculture will benefit those areas and animals of Texas that are environmentally sensitive.

"Fears have been expressed that aquaculture might in some way interfere with the wild fisheries of the state," Davis said. "However, be-cause the fish farmer can make money only by keeping all of his fish in his ponds, these fears are unfounded.

In actuality, Davis said the fish a farmer raises in his pond take pressure off the wild catch

From a coastal standpoint, Texas is uniquely suited for aquaculture production since it has the longest shoreline of any other state in the Gulf of Mexico with the exception of Florida, where half the coastline is on the Atlantic Ocean and not suitable for aquaculture use.

Davis also said Texas was blessed with a mild climate and more shal-low, saltwater aquifers.

