

## Product Quality and Profitability of Sea Bream Fish Farms in Greece

**Authors :** C. Nathanailides, S. Anastasiou, P. Logothetis, G. Kanlis

**Abstract :** Production parameters of gilt head sea bream fish farm such as feeding regimes, mortalities, fish densities were used to calculate the economic efficiency of six different aquaculture sites from West Greece. Samples of farmed sea bream were collected and lipid content, microbial load and filleting yield of the samples were used as quality criteria. The results indicate that Lipid content, filleting yield and microbial load of fish originating from different fish farms varied significantly with improved quality exhibited in fish farms which exhibited improved Feed conversion rates and lower mortalities. Changes in feeding management practices such as feed quality and feeding regimes have a significant impact on the financial performance of sea bass farms. Fish farms which exhibited improved feeding conversion rates also exhibited increased profitability. Improvements in the FCR explained about 13.4 % of the difference in profitability of the different aquaculture sites. Lower mortality and higher growth rates were also exhibited by the fish farms which exhibited improved FCR. It is concluded that best feeding management practices resulted in improved product quality and profitability.

**Keywords :** aquaculture economics, gilt head sea, production fish, feeding management

**Conference Title :** ICASFE 2015 : International Conference on Agricultural Science and Food Engineering

**Conference Location :** London, United Kingdom

**Conference Dates :** May 25-26, 2015