

Organic Feeds vs Commercial Diet in European Seabass *Dicentrarchus labrax* L. Palmegiano, GB.,¹ Daprà, F.,² Gai, F.,³ & Scolamacchia, M.⁴

Keywords: Dicentrarchus labrax, organic feeds, performances, filets, rosemary oil

Abstract

Organic is a new and increasingly popular for of aquaculture production. This paper analyzes the performance and chemical composition of European sea bass fed diets enriched by rosemary oil, a natural antioxidant, in comparison with a commercial diet integrated by BHT, a chemical antioxidant. The two experimental diets differ in protein energy ratio; the diet lower in fat was characterized by DP/DE two times higher than the high fat diet, and the control had a DP/DE ratio similar to the diet lower fat diet. The growth, if confirmed at the end of the trial, seems to show a better results of the diets enriched by rosemary oil than the control diet with a synthetic antioxidant. Rosemary oils have good antioxidant activity, even in diets with a high fat content.

¹ CNR Institute of Science of Food Production, Turin Division, Via L. da Vinci 44, Grugliasco (TO), Italy, e-mail giovanni.palmegiano@ispa.cnr.it, Internet www.ispa.cnr.it

² Ibid.

³ Ibid.

⁴ COISPA, experimental station for the study of resources of the sea, via dei trulli 18, Bari, Italy.