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The present technical paper investigates and evaluates the underlying reasons for the recent dramatic rise in prices of many of the commodities (e.g., soybean, corn, fishmeal, fish oil, rice and wheat) used in aquafeed production and its consequences for the aquafeed industry, and in particular, on demand and expectations from aquaculture in securing current and future fish supplies with particular reference to Asia and Europe. This technical paper also discusses issues related to availability of and access to land and water resources, and the impact of other sectors, using these resources, on the direction of aquaculture both in terms of species produced and the production systems. In the light of probable increase in competition for land and water in many aquaculture producing countries in Asia, there will inevitably be increasing pressure to intensify aquaculture productivity through the use of more commercial feeds than farm-made feeds. Due to the increasing prices of ingredients, aquafeed prices, especially the prices of compound aquafeeds, may increase further and a shortfall in the local supplies will compel importation of aquafeeds. Of the ingredients, fishmeal and fish oil are highly favoured for aquafeeds and aquafeed production is under increasing pressure due to limited supplies and increasing price of fishmeal and fish oil. Considering these factors, this review also outlines initiatives that are searching for substitutes for fishmeal and fish oil so as to position the industry to meet the challenge of securing aquafeed for sustaining aquaculture. A brief overview of coping strategies to strengthen national capacity to address the issue of aquafeed supply and to mitigate rising prices of aquafeed ingredient is given. These strategies include policies, research and private sector and farmers' initiatives.

