Organic aquaculture, whose start of worldwide implementation dates back to 1994, has been implemented in Turkey since 2010. As organic aquaculture represents new practice area and sufficient promotional efforts and governmental support is not available, satisfactory levels have not been achieved yet in this sector having annual figure of 456 tons according to 2012 data. While organic aquaculture constitutes 0.01% of total cultivation in the world, this figure remains at 0.003% levels in Turkey. Turkey has the potential to convert above disadvantage in its favor thanks to its efficient water resources and solid position in aquaculture. In the scope of this study, aquaculture figures in Turkey are explained and expectations regarding organic aquaculture are referred.