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Contribution of Moon Village to Solving Global Societal Issues (2)

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ONE FISH, TWO FISH, MOON FISH

Abstract

The same water scarcity and protein production threatens human life on Earth and prevents colonization of the Moon. The increasing threat of global water scarcity is causing growing concern for other nutritional scarcities, such as protein. These scarcities are only going to be exacerbated by the increasing threat of Climate Change. Aquaculture has the potential to alleviate protein issues on both the moon and earth. Aquaculture RAS systems allow for water recycling, growing of protein at less than 1 feed to weight gain ratio. In this paper, we summarize the economic findings of water scarcity, the economic findings of aquaculture, review the economic barriers to raising fish on the moon and the earth, and review the technology barriers and improvements required to raise fish on the moon.