The following white paper was initiated during the 6th International AgroSpace Workshop (Sperlonga, Italy, May 22nd – 23rd, 2014) and refined in the months following. The white paper was released, as presented herein, as a public document leading into the 7th International AgroSpace Workshop (Sperlonga, Italy from May 25th – 27th, 2016). The signatories of this position paper represent a broad cross section of international stakeholders active in the bio-regenerative life-support domain. The document itself serves as a succinct and consistent tool for enlightening decision-makers about the domain, while encouraging them to support the field’s continued growth and develop through the provision of a justification framework for the investment that includes not only advances in human space exploration but also for a wide array of advances in terrestrial applications (e.g., vertical farming). We find it very timely and fitting to present this community driven position paper in ‘Agriculture in Space’. We hope that those reading this document also find it useful not only as a summary document but also as a tool for justifying their own endeavors. Mr. Daniel Schubert from the German Aerospace Center (DLR) has served as the lead in the development of this white paper and additional interested parties and supporters can contact him via daniel.schubert@dlr.de.