

## Study of Silkworm under Hypobaric Hypoxia Conditions

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In order to investigate of a possibility of utilizing silkworm for the space agriculture, rearing of silkworms under hypobaric hypoxia conditions was attempted. The main aim is to research influence of low total pressure and hypoxia condition on silkworm. In the case of hypobaric hypoxia conditions without atmospheric control, hypoxia conditions did not affect growth of silkworms. The growth under total pressure of 20kPa is slightly rapid. But with atmospheric control, both low total pressure conditions and hypoxia conditions affect growth. The former result is contradictory to the latter one.