

# Re: food from space

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- *From:* [Willie.Mookie@xxxxxxxx](mailto:Willie.Mookie@xxxxxxxx)
  - *Date:* Thu, 24 Apr 2008 16:05:42 -0700 (PDT)
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On Apr 24, 2:12 pm, BradGuth <bradg...@xxxxxxxx> wrote:

On Apr 24, 3:36 am, Ian Parker <ianpark...@xxxxxxxx> wrote:

On 24 Apr, 00:59, Willie.Moo...@xxxxxxxx wrote:

NASA did studies on space colonies back in the 1970s and 80s. Gerard O'Neill wrote on them in The High Frontier.

<http://space.mike-combs.com/SCTHF.html>

The costs do not take into account the ability of developing the technology more gradually in a way that sees it more of an investment that earns profits, which are then re-invested in technology development.

One interesting finding was that farms in space support 40,500 people per square kilometer at US per capita levels of consumption. This amounts to 730 kg per person per year. To feed 6.6 billion people at this level requires 162,963 square kilometers of pressure

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vessel  
area.

103,745 spheres each 1 km in diameter each housing a  
spinning cylinder  
707 meters in diameter and 707 meters deep, support 1.57  
square  
kilometers of growing area – each supporting 63,585  
persons.