
















# BioFarming Superiority over Conventional Plant Cultivation

|  |    | Conventional Plant Farming  |
|--|--|---|
| <b>Land Requirements</b>                 |  <b>Low</b><br>(0.5sq per kg - year)  |  <b>High</b><br>(~30sq meters per kg per year)   |
| <b>Production cost</b>                   |  <b>Lower</b> than conventional farming<br><b>FAR lower</b> than indoor cultivation |  <b>Low to High</b><br>(depending on energy, water, security costs)                    |
| <b>Capital Expenditures</b>              |  <b>Low</b> - and factories can be built anywhere and within 12 months              |  <b>Med</b> – heavy capital required for extraction                                    |
| <b>Quality/Contamination/Cleanliness</b> |  <b>High</b><br>Contaminant Free<br>Totally aseptic environment                     |  <b>Low</b><br>Susceptible to contamination from heavy metals, pesticides and solvents |
| <b>Consistency</b>                       |  <b>High</b><br>Identical to source plant cells and repeatable on every batch      |  <b>Low</b><br>Major inconsistencies on a batch by batch basis                        |
| <b>Sustainability</b>                    |  <b>High</b><br>Low energy, water and land requirements                           |  <b>Low</b><br>Heavy energy, water and land requirements with waste                  |
| <b>IP Protection</b>                     |  <b>High</b><br>Process and Product are patentable                                |  <b>NO</b>   |