**Table S1.** Statistics of the area and species of crops in the four modules of the system

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| --- | --- | --- | --- |
| **Modules** | **Crops, vegetables and fruits** | **Area of crops (m2)** | **Subtotal** |
| Plant Module I | Sweet Potato | 13.86 | 63.84 |
| Peanut | 12.60 |
| Soy | 15.12 |
| Fruits And Vegetables\* | 22.26 |
| Plant Module II | Wheat | 58.80 | 86.52 |
| Potato | 27.72 |
| Plant Module III | Wheat | 29.40 | 29.40 |
| Plant Module IV | Wheat | 7.24 | 12.85 |
| Fruits And Vegetables\* | 5.61 |
| Summary | 192.61 |

\*Fruits and vegetables: including edible amaranth, spinach, begonia, lactuca sativa l, lettuce, chinese parsley, chives, carrot, cabbage, celery, tomatoes, cucumber, bitter chrysanthemum, strawberry, green pepper, sweet potato leaf, pleurotus ostreatus, dendrobium, moringa, spirulina.