**Machobane Farming System**

Machobane farming is a system of intercropping and localized application of organic manure. It was developed in the 1950s by Dr. Joseph J. Machobane to address the productivity declines of food production in Lesotho. In Lesotho, arable land is limited to ten percent of the nation’s total area, labor is in short supply due to widespread migration to South Africa and there is declining soil fertility and erratic rainfall that have led to a gradual decline in per capita food production. Machobane farming system solves this problems since it does not require a lot arable land and labour. For a small piece of land, more is produced using Machobane farming system than traditional farming practice.

The code provided works by simulating Machobane farming system. Input from the user determines what month it is and futher determines what activites are being done. In the months January to March it is time to harvest and in the months April to May, it is winter and it’s time to plant wheat, peas and potatoes. In summer (August to Octobe) it is time for intercropping maize, beans, pumpkins, sorghum, watermelons, and groundnuts which are harvested in November and December.

Reference: https://afsafrica.org/wp-content/uploads/2019/04/machobane\_farming\_system\_lesotho.pdf