

Comparative Study on Agricultural Land and Productivity

*Based on India, Liberia, Malawi, Rwanda, Sierra
Leone and World*



The short study has depicted that Agricultural land availability and Crop Yield are unstable among the four African Nations - Liberia, Malawi, Rwanda and Sierra Leone compared to India and the World. Good management policies need to be recommended for sustainable growth.

Introduction:

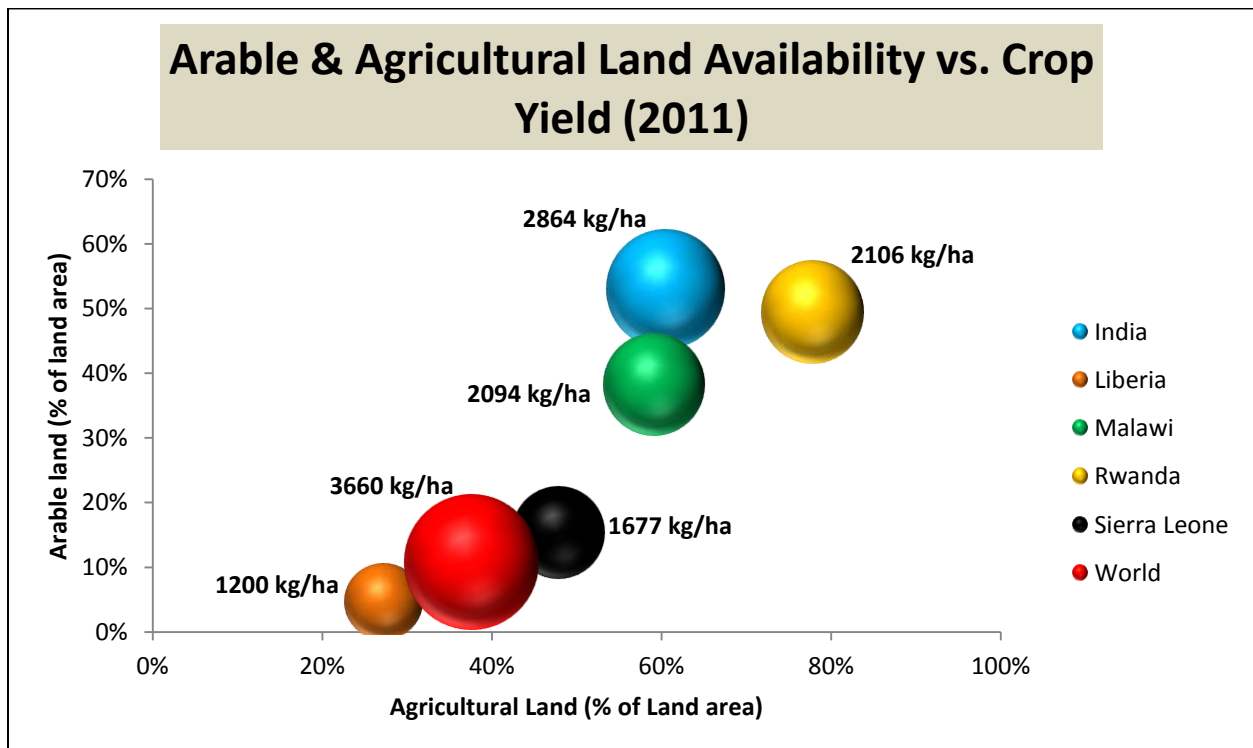
Agriculture land is the most important factor for the Agriculture to prosper. The availability of good quality land and modernized technology contribute to the productivity of Agriculture. With the rising population followed by demand on ensuring Food Security it is important to have sustainable Agricultural development.

The present study is based on 51 years (1961-2011) for India, Liberia, Malawi, Rwanda, Sierra Leone and World on the following parameters (Data Source: World Bank):

1. Agricultural Land (% of land area)
2. Arable Land (% of land area)
3. Cereal Yield (Kg per hectare)

Info-graphics:

Figure 1: Bubble chart showing the positions of the Nations compared to World based on Arable and Agricultural availability vs. Crop Yield for the year 2011



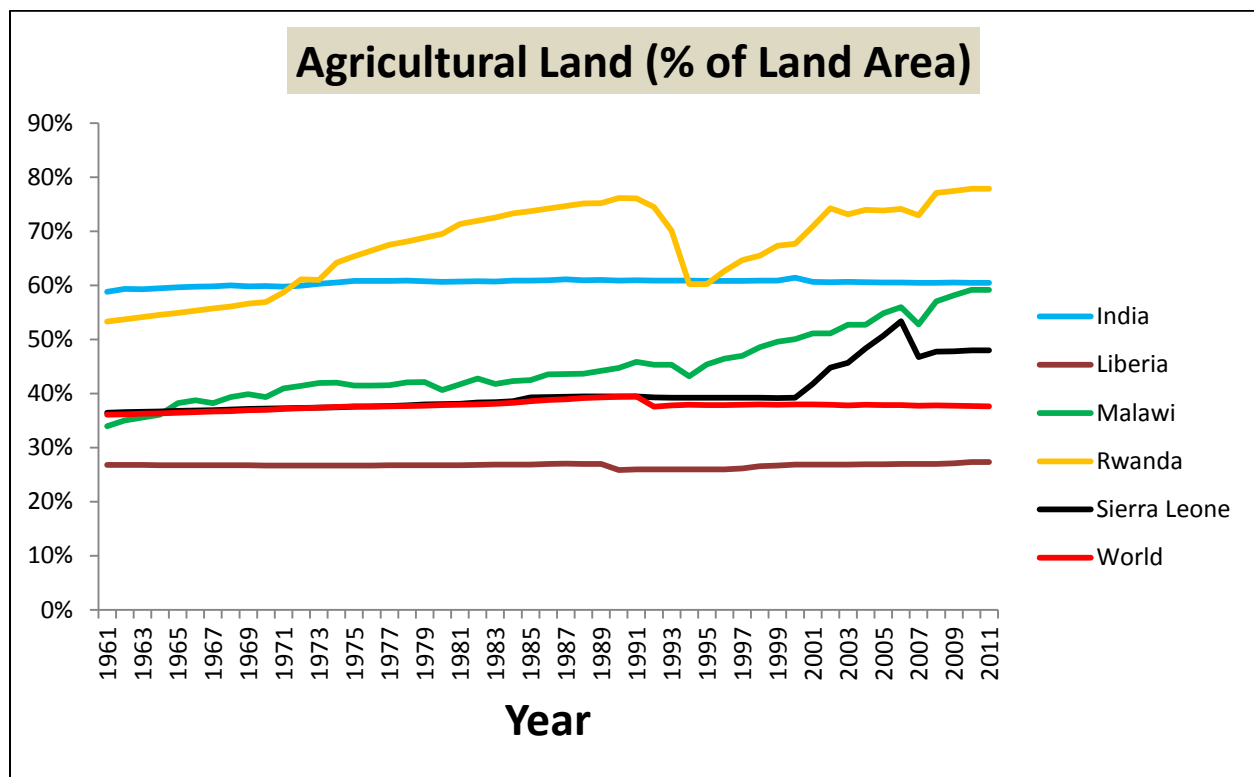
Liberia's position is in most challenging position compared to all the nations. Rwanda is performing well among the African nations.

Table 1: Ranks based on performance among the Nations on three parameters

| Country | Ranks | | |
|--------------|------------------------------------|------------------------------|-------------------------------|
| | Agricultural land (% of land area) | Arable land (% of land area) | Cereal yield (kg per hectare) |
| India | 2 | 1 | 2 |
| Liberia | 6 | 6 | 6 |
| Malawi | 3 | 3 | 4 |
| Rwanda | 1 | 2 | 3 |
| Sierra Leone | 4 | 4 | 5 |
| World | 5 | 5 | 1 |

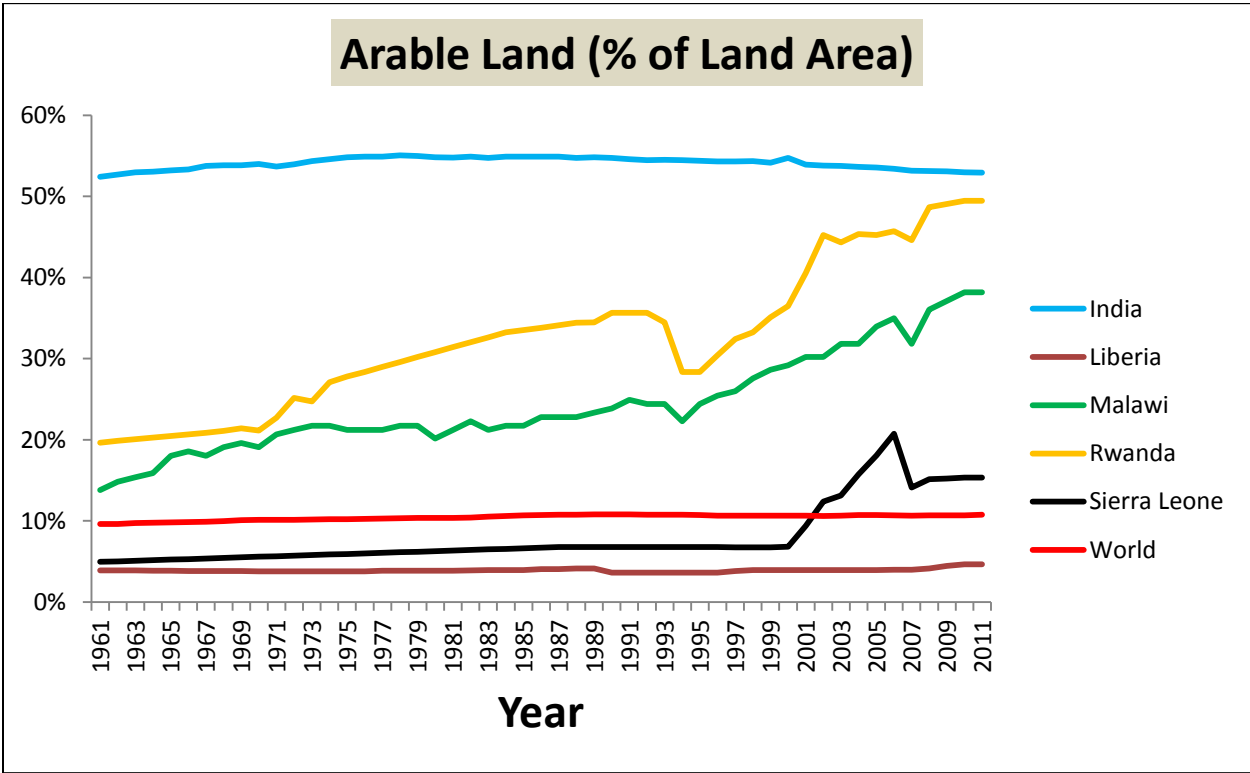
This ranking method is a mimic of the above Bubble chart (Figure 1).

Figure 2: Trend of Agricultural Land for the Nations (1961 – 2011)



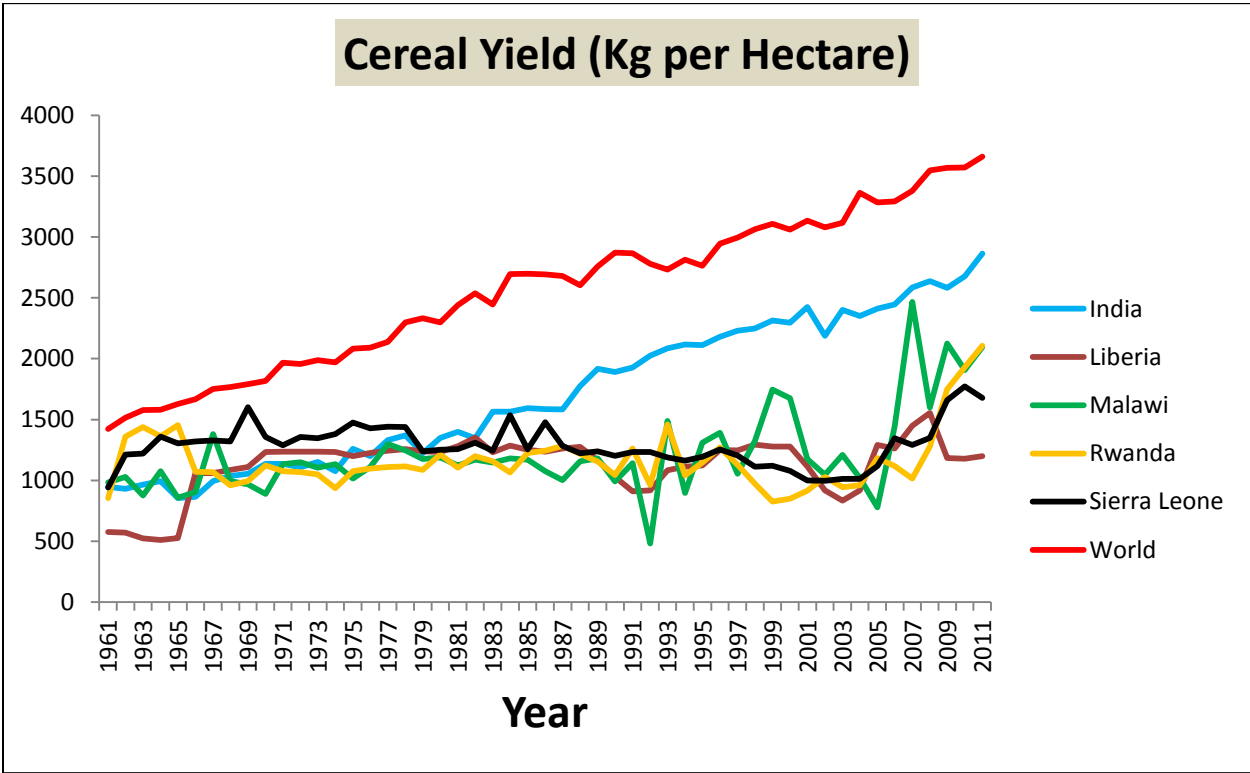
The three African nations (Rwanda, Malawi and Sierra Leone) have shown fluctuating growth in terms of Agricultural Land.

Figure 3: Trend of Arable Land for the Nations (1961 – 2011)



The three African nations (Rwanda, Malawi and Sierra Leone) have shown fluctuating growth in terms of Agricultural Land similar to Arable Land.

Figure 4: Trend of Cereal Yield for the Nations (1961 – 2011)



All the African nations under study have shown very much fluctuating growth.