

**Sub-Saharan Africa - Total Land and Crop Areas (circa 2000) by Agroecological Zone**

|                                   | Crop area       |         |                          | Share of total crop area<br>by agroecological zone & country/group |                  |  |                   |           |           |       |                    |                  |       | Total |  |
|-----------------------------------|-----------------|---------|--------------------------|--|------------------|--|-------------------|-----------|-----------|-------|--------------------|------------------|-------|-------|--|
|                                   |                 |         |                          | Sub-tropics  |                  |  | Tropics           |           |           |       |                    |                  |       |       |  |
|                                   | Total land area | Total   | Share of total land area | Lowland (<800m)  | Highland (>800m) | total  | Lowland (<1,200m) |           |           |       | Highland (>1,200m) |                  | total |       |  |
|                                   |                 |         |                          |  |                  |  | arid              | semi-arid | sub-humid | humid | arid / semi-arid   | subhumid / humid |       |       |  |
| 000 ha                            |                 | percent |                          |  |                  | percent of total by agroecological zone for each country/group |                   |           |           |       |                    |                  |       |       |  |
| AGRA Tier 1                       |                 |         |                          |  |                  |  |                   |           |           |       |                    |                  |       |       |  |
| Ghana                             | 23,121          | 5,800   | 25.1                     | -  | -                | -  | -                 | 0.8       | 73.1      | 26.1  | -                  | -                | 100.0 | 100.0 |  |
| Kenya                             | 57,290          | 4,730   | 8.3                      | -  | -                | -  | 10.1              | 38.0      | 12.3      | 2.1   | 2.0                | 35.6             | 100.0 | 100.0 |  |
| Malawi                            | 9,474           | 1,306   | 13.8                     | -  | -                | -  | -                 | 52.4      | 21.7      | -     | 13.1               | 12.8             | 100.0 | 100.0 |  |
| Mali                              | 124,813         | 4,259   | 3.4                      | -  | -                | -  | 16.1              | 81.9      | 2.1       | -     | -                  | -                | 100.0 | 100.0 |  |
| Mozambique                        | 77,517          | 3,687   | 4.8                      | 0.3  | 0.0              | 0.3  | 1.7               | 39.1      | 54.7      | -     | 2.5                | 1.6              | 99.7  | 100.0 |  |
| Nigeria                           | 90,261          | 35,297  | 39.1                     | -  | -                | -  | 0.6               | 42.4      | 53.1      | 2.9   | 0.0                | 1.0              | 100.0 | 100.0 |  |
| Tanzania                          | 89,036          | 4,493   | 5.0                      | -  | -                | -  | -                 | 11.0      | 48.4      | 1.4   | 3.1                | 36.1             | 100.0 | 100.0 |  |
| Uganda                            | 20,658          | 7,967   | 38.6                     | -  | -                | -  | -                 | 0.0       | 12.4      | 52.6  | 0.0                | 34.9             | 100.0 | 100.0 |  |
| Tier 2                            |                 |         |                          |  |                  |  |                   |           |           |       |                    |                  |       |       |  |
| Burkina Faso                      | 27,584          | 4,053   | 14.7                     | -  | -                | -  | 2.2               | 87.5      | 10.3      | -     | -                  | -                | 100.0 | 100.0 |  |
| Ethiopia                          | 112,663         | 10,085  | 9.0                      | -  | -                | -  | 1.0               | 16.3      | 5.0       | 0.1   | 33.5               | 44.1             | 100.0 | 100.0 |  |
| Madagascar                        | 59,029          | 3,600   | 6.1                      | 0.0  | -                | 0.0  | -                 | 8.7       | 38.1      | 46.7  | -                  | 6.5              | 100.0 | 100.0 |  |
| Niger                             | 115,696         | 14,125  | 12.2                     | -  | -                | -  | 17.1              | 82.9      | -         | -     | -                  | -                | 100.0 | 100.0 |  |
| Rwanda                            | 2,444           | 728     | 29.8                     | -  | -                | -  | -                 | -         | -         | 0.8   | -                  | 99.2             | 100.0 | 100.0 |  |
| Zambia                            | 74,524          | 4,733   | 6.4                      | -  | -                | -  | -                 | 40.9      | 9.6       | -     | 20.9               | 28.7             | 100.0 | 100.0 |  |
| AGRA Total                        | 884,111         | 104,861 | 11.9                     | 0.0  | 0.0              | 0.0  | 3.9               | 40.1      | 30.4      | 8.2   | 4.6                | 12.8             | 100.0 | 100.0 |  |
| <i>Geographical Groupings</i>     |                 |         |                          |  |                  |  |                   |           |           |       |                    |                  |       |       |  |
| Western Sub-Saharan Africa        | 896,506         | 93,857  | 10.5                     | -  | -                | -  | 4.4               | 43.3      | 43.9      | 6.8   | 0.0                | 1.6              | 100.0 | 100.0 |  |
| <i>Nigeria</i>                    | 90,261          | 35,297  | 39.1                     | -  | -                | -  | 0.6               | 42.4      | 53.1      | 2.9   | 0.0                | 1.0              | 100.0 | 100.0 |  |
| East & Central Sub-Saharan Africa | 902,674         | 57,789  | 6.4                      | 0.0  | -                | 0.0  | 5.6               | 27.0      | 25.4      | 12.2  | 6.9                | 22.8             | 100.0 | 100.0 |  |
| <i>Ethiopia</i>                   | 112,663         | 10,085  | 9.0                      | -  | -                | -  | 1.0               | 16.3      | 5.0       | 0.1   | 33.5               | 44.1             | 100.0 | 100.0 |  |
| Southern Sub-Saharan Africa       | 589,990         | 31,500  | 5.3                      | 10.1   | 25.1             | 35.2   | 6.1               | 25.3      | 13.9      | 0.2   | 12.9               | 6.4              | 64.8  | 100.0 |  |
| <i>South Africa</i>               | 121,635         | 14,602  | 12.0                     | 21.5   | 52.0             | 73.5   | 6.2               | 9.2       | 1.8       | 0.0   | 7.7                | 1.6              | 26.5  | 100.0 |  |
| SSA Total                         | 2,389,169       | 183,146 | 7.7                      | 1.7  | 4.3              | 6.1  | 5.1               | 35.0      | 32.9      | 7.4   | 4.4                | 9.1              | 93.9  | 100.0 |  |
| <i>R&amp;D Groupings</i>          |                 |         |                          |  |                  |  |                   |           |           |       |                    |                  |       |       |  |
| ASARECA                           | 837,163         | 56,806  | 6.8                      | 0.0  | -                | 0.0  | 4.4               | 27.1      | 25.9      | 12.4  | 7.0                | 23.2             | 100.0 | 100.0 |  |
| CORAF/WECAR                       | 1,115,806       | 100,323 | 9.0                      | -  | -                | -  | 4.1               | 40.5      | 45.9      | 6.8   | 0.0                | 2.6              | 100.0 | 100.0 |  |
| SADC                              | 969,733         | 46,556  | 4.8                      | 6.8  | 17.0             | 23.8   | 4.2               | 18.9      | 27.5      | 6.0   | 9.0                | 10.6             | 76.2  | 100.0 |  |
| <i>Economic Groupings</i>         |                 |         |                          |  |                  |  |                   |           |           |       |                    |                  |       |       |  |
| COMESA                            | 1,258,847       | 68,368  | 5.4                      | 6.3  | 0.0              | 6.3  | 4.5               | 28.9      | 21.4      | 10.3  | 9.2                | 19.4             | 93.7  | 100.0 |  |
| ECOWAS                            | 495,924         | 80,386  | 16.2                     | -  | -                | -  | 4.5               | 45.6      | 44.2      | 5.4   | 0.0                | 0.4              | 100.0 | 100.0 |  |
| SADC                              | 969,733         | 46,556  | 4.8                      | 6.8  | 17.0             | 23.8   | 4.2               | 18.9      | 27.5      | 6.0   | 9.0                | 10.6             | 76.2  | 100.0 |  |

Notes: The moisture zones were determined based on the length of growing period as follows: Arid: <70 days; semi-arid: 70-180 days; subhumid: 180-270 days; humid: > 270 days

Data sources: Agroecological Zones: Sebastian/HarvestChoice 2009 based on WorldClim climate data (2009), IIASA/FAO length of growing period data (Fischer 2009) and SRTM30 elevation data (USGS 2007).

Crop area: HarvestChoice 2009 calculated based on Cropping Intensity (Ramunkuty 2008) and GMIv4.0.1 irrigated area data (Siebert et al. 2007). Land area: CIESIN/IFPRI/CIAT GRUMP data (2005).

**Acronyms**

AGRA Alliance for the Green Revolution in Africa

ASARECA Association for Strengthening Agricultural Research in Eastern and Central Africa

CORAF/WECAR Conseil Ouest et Centre Africain pour la Recherche et le Developpement Agricole /  
West and Central African Council for Agricultural Research and Development

SADC Southern African Development Community

COMESA Common Market for Eastern and Southern Africa

ECOWAS Economic Community of West African States