

# Parameter values

## Grain Moisture Content

Following is the grain moisture content for each plant, along with reference.

Maize: 13% - Martin, 1949

Rice: 13% - Makky, 2019

Yam: 70% - Amankwah, 2019

Sorghum: 12% - [Purdue University](#)

Millet: 12% - Ramashia, 2017

Groundnut: 10% - Ahmad, 2012

Cowpea: 10% - AWOSANMI, 2019

Soyabean: 13% - SDSU Extension, 2019

## Harvest Index

It is calculated as the ratio of the yield of the harvestable product to the total aboveground biomass. This can be used to plug into the Bolinder equation. Where possible, the minimum value must be used. Furthermore, where possible,

Maize: 0.48 - Maas & Lal, 2022

Rice: 0.17 - [source](#)

Yam: 0.50 - Yam's unavailable, but sweet potato roughly [was](#)

Sorghum: 0.29 (conservative estimate) - Mishra, 1992

Millet: 34% - Mohammadi, 2018

Groundnut: 37% - Swetha, 2019

Cowpea: 23% (lowest, conservative value) - Dangi, 2020

Soyabean: 0.34 - Maas & Lal, 2022