



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

- C_o = dead wood/litter stock, under the old land-use category, $t C ha^{-1}$
- C_n = dead wood/litter stock, under the new land-use category, $t C ha^{-1}$, for forest land the default stock is $20 t C ha^{-1}$ at 20 years
- A_{on} = area undergoing conversion from old to new land-use category, ha
- T_{on} = time period of the transition from old to new land-use category, yr. The Tier 1 default is 20 years for carbon stock increases and 1 year for carbon losses.

Data required for the estimates in the MRV tool

Table C.8: Data required for estimating ΔC Dead Organic Matter (DOM)

Facility ID	Enter the unique facility ID
Activity	Forest Management, Afforestation or Deforestation
Previous land use category	Forest Management, Afforestation, Deforestation, Grassland, Annual Cropland, Perennial Cropland or Other
Ownership	Company owned or 3 rd party (please specify)
Age Category	Enter value, for afforested areas this should be the years since afforestation occurred
Area / Area in the current year t_i	Enter value in ha
DOM	DOM in $t C/ha$, use of Sheet Supporting Calculations is possible if value is not known. Note that the calculated ΔC DOM should be positive (+) in the case of Forest Management and Afforestation; and negative (-) in the case of Deforestation
DOM in previous land use	DOM in non-forest use $t C/ha$, the default value is 0. This field is optional.

As a minimum, forest type needs to be known for the use of **Sheet Supporting Calculations in the MRV Tool**. Default values of DOM by forest types are sourced from IPCC 2006 Guidelines, these factors are included in the **Sheet Parameters in the MRV tool** and can be found in Appendix C.1.D.