



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Table C.2: Colour coding used in the MRV tool

Input data: data required to be included by the user
Emissions/removals: calculated emissions/removals
Calculation/linked cells: cells with formulae, automatically updated. Do not change
Conversion factors & constants
Assumptions/assumed values
Checks

Note on input data: these methodological guidelines include tables to show the data that is required to complete the estimates in the MRV tool. The user has the option to use the **Sheet Supporting calculations in the MRV tool** to estimate some of the variables needed in other sheets in the MRV tool, these cases are highlighted throughout these guidelines.

Note on the use of different tiers: the estimation methods included in the MRV tool allows for reporting of emissions and removals using different tiers:

- **Tier 1:** using the equations for the estimates as implemented in the MRV tool and default IPCC 2006¹⁷ or country specific values for the required parameters. These factors are included in the **Sheet Parameters in the MRV tool** and can found in Appendix C.1.D. Tier 1 methods and country-specific parameters have been specially selected for the South African forestry sector.
- **Tier 2:** using the equations for the estimates as implemented in the MRV tool and facility-specific values for several parameters.
- **Tier 3:** when other methods, different from those implemented in the MRV tool are used. The MRV tool allows for the reporting of emissions/removals and the parameters required for verification.

The MRV tool has formulae implemented for Tier 1 and Tier 2 estimates. When applying Tier 2 with facility-specific parameters, justification of the appropriateness of those parameters must be provided. In the case of Tier 3, less input data is needed in the MRV tool since Tier 3 estimates are only reported, not calculated, using the MRV tool. When applying Tier 3, a description of the methods used, and justification of their appropriateness must be provided as part of the annual reporting. In addition, inputs required for verification must also be provided.

Each of the columns in the MRV tool tables where data has to be reported have the following structure, showing the variable, instructions and tier.

Table C.3: Structure of the columns in reporting tables in the MRV tool

e.g.: Facility ID	1 st row (title row): Name of the variable
<i>e.g.: INFORMATION ROW (do not delete)</i>	2 nd row: instructions to fill in the column
<i>e.g.: INFORMATION ROW - TIERS (do not delete)</i>	3 rd row: Tier for which the column is to be filled

¹⁷ The only exception is the stock change factors for SOC which are taken from IPCC 2019 Refinement.