

Name:

Greenhouse per kg of crop yield

Definition:

This indicator measures the amount of Greenhouse Gases (GHG) emitted into the atmosphere (equivalent CO₂) during the whole season per crop yield in kg. (kg CO₂/kg).

Method of calculation:

Indicator = GHG /Crop yield (kg CO_{2eq} / kg)

The GHGs balance is the addition of the emissions from the soil and emissions corresponding to the farming operations and the inputs' manufacturing processes.

GHG Balance (t CO_{2eq}/ha) = Soil balance (t CO_{2eq}/ha) + Emissions of Farming Operations (t CO_{2eq}/ha)

These two parameters are calculated as Indicator 26 (GHGs Balance).

Information source:

Crop area, applied inputs and crop yields data obtained in a farmers survey.
The values of CO₂ emissions are taken from bibliography.

Bibliography and references:

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