

**Name:**

Irrigation water

**Definition:**

Irrigation water is the water (in m<sup>3</sup>/ha) used to water the crops on the farm.

**Calculation method:**

For the calculation of the indicator, the water consumption on each of the irrigation plots will be taken into account.

The value of this indicator shall be calculated as explained below:

$$\text{Indicator} = \frac{\sum_i WC_i \times A_i}{A_T}$$

Where:

WC<sub>i</sub>: Water consumption (m<sup>3</sup>/ha) on each plot

A<sub>i</sub>: Area assigned to the crop / plot

A<sub>T</sub>: Total area considered (ha).

**Interpretation:**

Water consumption by crops depends on several factors: species, irrigation system, irrigation strategy (deficit irrigation management strategies ...)

**Information source:**

Data obtained through a survey to farmers.

WC<sub>i</sub>: Irrigation water consumption (m<sup>3</sup>/ha) on each plot. *Data obtained through a survey to farmers.*

A<sub>i</sub>: Area assigned to the crop / plot. *Data obtained through a survey to farmers.*

A<sub>T</sub>: Total area considered (ha). *Data obtained through a survey to farmers.*