

Yokuchi Gen Calculator User Guide

1. Add Fertilizers

- Click **Add Fertilizer** to create a new block (up to 8 blocks).
- In each block, choose a fertilizer from the dropdown.
- Enter the dose in the adjacent field (by default “Clicks,” and for nano products “Drops.” You can switch to “mL” in the dose-unit selector below the fertilizer dropdown).

2. Set Aquarium Volume

- Enter the net volume in liters or gallons.
- Choose the unit (L or gal).

3. Select Dose Unit

- Toggle between **Click/Drop** and **mL**.
- All doses will update accordingly.

4. Calculate Results

- Click **Calculate**.
- In the **Result** section you’ll see:
 - A list of selected fertilizers with their doses.
 - The aquarium volume and chosen dose unit.
 - A table of macro- and micro-element concentrations (mg/L).
 - Ratios: N:K (GEN), Ca:Mg, and the Redfield ratio ($\text{NO}_3^-:\text{PO}_4^{3-}$).

5. Calculation History

- Each calculation is saved in **History**.
- To clear the history, click **Clear History** and confirm.

6. Export Results

- Choose an export format: **PDF**, **DOC**, or **XLS**.
- Click **Export Results** — the file will download or open the print dialog.