

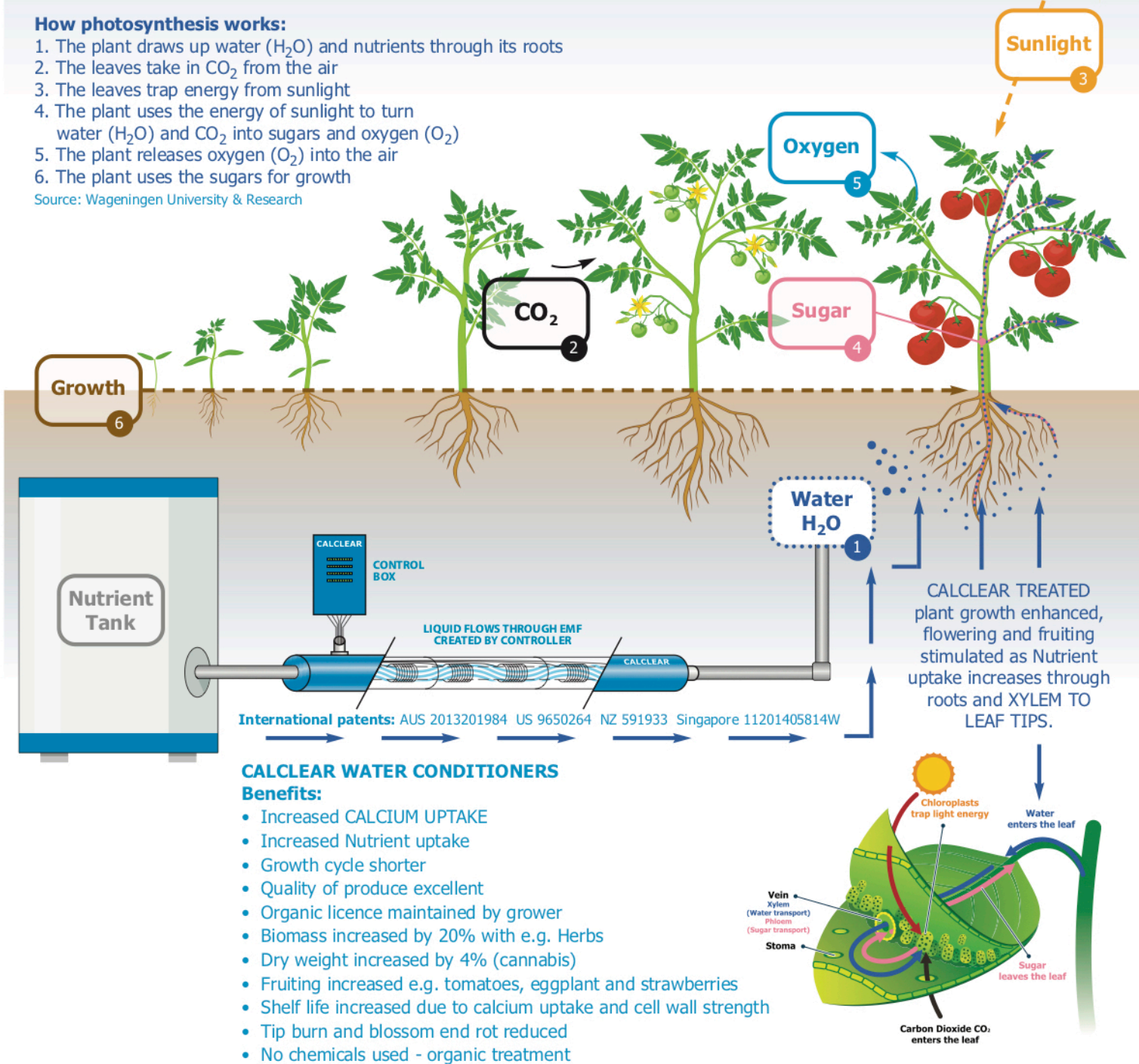
# CALCLEAR

## CALCLEAR can improve on photosynthesis

### How photosynthesis works:

1. The plant draws up water ( $H_2O$ ) and nutrients through its roots
2. The leaves take in  $CO_2$  from the air
3. The leaves trap energy from sunlight
4. The plant uses the energy of sunlight to turn water ( $H_2O$ ) and  $CO_2$  into sugars and oxygen ( $O_2$ )
5. The plant releases oxygen ( $O_2$ ) into the air
6. The plant uses the sugars for growth

Source: Wageningen University & Research



### CALCLEAR Research – Dr Lynette Morgan – SUNTEC New Zealand

CALCLEAR has a beneficial effect on the transportation of CALCIUM THROUGH THE XYLEM. The xylem are the vessels within the plants which carry the water and dissolved calcium to the leaf tips. This also resulted in higher levels of foliar calcium in the heads at the time of harvest in plants treated with the CALCLEAR units compared to the untreated control plants. The CALCLEAR units not only improve the uptake and transport of calcium through the xylem, but they also seem to improve its utilisation in plant cell development, PARTICULARLY CELL WALLS.