

PLAGRON

TECHNICAL PRODUCT SHEET

power buds.

Power buds is a plant biostimulating additive, containing a specialized organic molecule, that can be used during generative phase. It is linked to a broad range of plant-metabolism reaction pathways. It assists the plant to synthesize amino acids that are essential for normal functioning and development of the plant by its nutrients. More specific, Power buds is accelerating the flowering proces and improving plant-molecule biosynthesis for increased bud formation. Additionally, it can also be advised for hydroponics and it does not affect the pH and EC of the nutrient solution.



SPECIFICATIONS:

- pH: 4,5
- EC: 20,2mS/Cm
- Density: 1,02 g/ml
- Colourless
- Specific odour

USE & STORAGE CONDITIONS:

- Stable between 0°C-40°C
- Generative phase
- Recommended dosage: 1ml/L

PLANT EXPERIMENT

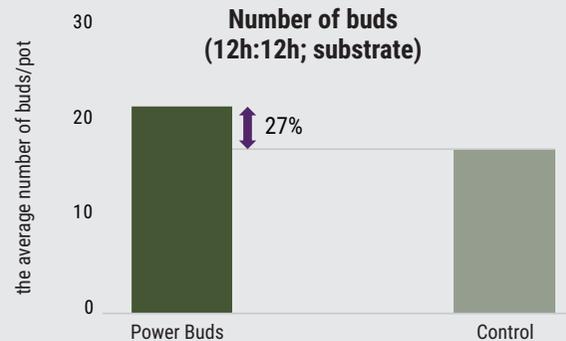
POWER BUDS SHOWS IMPROVED PERFORMANCE COMPARED TO CONTROL GROUP:

- The number of buds increases at least by **27%**
Light conditions: 12h light : 12h dark; substrate - Light conditions: 12h light : 12h dark; hydroponics
- The fresh weight of buds increases by **35%**
Light conditions: 16h light : 8h dark; substrate
- The flowering process accelerates
Light conditions: 12h light : 12h dark ; hydroponics

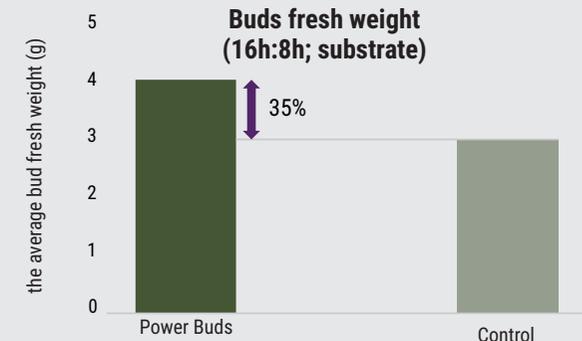
EXPERIMENT DETAILS:

Location: **Bertels Research Center**
 Crop: **Chrysanthemum Indicum**
 Substrate: **89% peat + 11% Cocos**
 Hydroponics: **recirculation – Nutrient Film Technique**
 Light conditions: **12h light : 12h dark / 16h light: 8h dark**
 Control: **Plagron Hydro A&B (grow schedule)**
 Power Buds: **1mL/L from first week of Generative phase**

SUBSTRATE

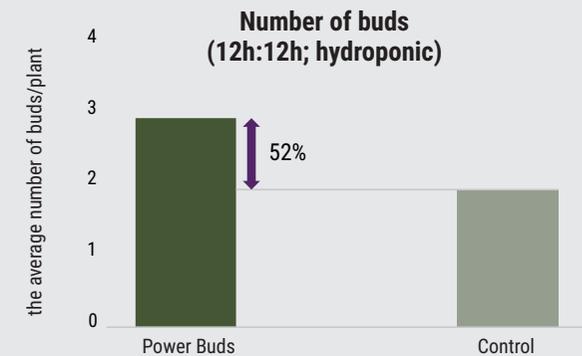


The pot contained 3 chrysanthemum plants; T-test (confidence 95%) = 0,003168; Light info: LED, full spectrum; min 200 $\mu\text{mol}/\text{m}^2/\text{s}$ – max 400 $\mu\text{mol}/\text{m}^2/\text{s}$



Average value of 8 replicants/treatment; T-test (confidence 95%) = 0,003168; Light info: LED, red/blue spectrum; max 100 $\mu\text{mol}/\text{m}^2/\text{s}$

HYDROPONICS



T-test (confidence 95%) = 0,004661; Light info: LED, full spectrum; 170 $\mu\text{mol}/\text{m}^2/\text{s}$ - 200 $\mu\text{mol}/\text{m}^2/\text{s}$

DISCLAIMER: Results published in this technical sheet are based upon experimental data obtained in controlled conditions; results may vary in different conditions; past performance is not a reliable indicator of future results.