eco roses®
ALL ABOUT QUALITY

Harvest Process Assurance Certification for Cut Flowers

What is Neuthox®+xprt?

It is an integrated concept of disinfection, sanitization and hydration that assures flower quality and longevity.

Fundamentals of the Certification

On Site Production:

- Production of disinfectant solution Neuthox® on site through an electrochemical process by electrolysis of salt and water.

Hydration Solution Preparation:

- Mix and preparation is automatically done by dosage unit, assuring no possibility of human error.

Permanent and Online Assurance of Key Control Indicators on the Production of Hydration Solution:

In post-harvest the ideal parameters are:

- ORP (Oxidation-Reduction Potential): 750-1000 mv
- DO (Dissolved Oxygen) % of saturation: up to 600%
- pH: 4.5-5.0

Solution Distribution System:

- Availability on each hydration point. Solution is produced on demand; therefore, it does not require to be stored.

Objective and On Time Solution Change:

- Solution is changed when water has reached an ORP of 250-300 mv.
- Making sure there is no possibility of bacterial growth.

neuthox+xprt
process assurance

Advantages of Neuthox®-xprt Technology

- Perfect consistency and uniformity in hydration.
- Solution is prepared with computer monitoring, always fresh and balanced.
- Proper sanitation and disinfection of post-harvest warehouse and cold rooms.
- Assures product quality and longevity.
- Increases 4-5 additional days of vase life to your flowers.
- Organic and 100% biodegradable.
- No residual use of plastic cans.

Benefits of Certification

- Build consistent brand value of your flowers.
- Increase sales with preferred customers.
- Long lasting and perfect opening flowers.

Why are the Key Indicators Important?

ORP

- It is a measure of cleanliness of the water and its ability to break down contaminants. Higher ORP values are associated with higher concentrations of disinfectant, used to monitor and control disinfectant levels in water solutions.

DO

- It is a measure of how much oxygen is dissolved in the water, indicating the quality of water.

pH

- It indicates the stability of the capacity of oxidation reduction of the solution.

NEUTHOX® ARTICLE 95 COMPLIANCE EUROPEAN CHEMICAL AGENCY

USDA ORGANIC