

Game-changing Technology For A Sustainable world

Product family and applications









oliveCEPT®

Vegetable Oils, Olive Oil & Avocado



juiceCEPT®

Fruit / vegetable juices, cold brewed green tea, oat milk



wineCEPT®

Red and white wines



dryCEPT®

Vegetables, berries



OptiBoost® - for cut flowers

Roses, cut-flowers



OptiBoost® - for cuttings

Cuttings, forest cuttings



Our technologies









Food applications





- Improved quality increase in polyphenols
- Processing temperature below 25°C
- Increased extraction, 5-15%
- Process efficiency (reduction of malaxation time by 50%)
- Less waste





- Extended shelf life
- Increased extraction
- Improved quality (taste, color and aroma
- Better nutritional values







- Improved quality higher levels of polyphenols, phenolic acids, tannins, etc.
- Maceration halved with improved results



- Shortened drying time
- Retains taste, aroma and color better
- Industrial evaluation is underway with Steinicke in Germany for drying carrots









For A Sustainable World





Cut flowers industry

- 30 50 bilion cut flowers are produced annually
- 10 -20 % waste
- Roses that you can buy in the Swedish supermarkets came
 - by plane from Kenya or Ethiopia
 - by truck, in buckets with water from distribution centre





Our technologies



VI (vacuum Infusion)





 By controlled pressure change the air fraction can be evacuated form the air spaces

Instead liquid is introduced into the tissue



Liquid is designed in collaboration with Prebona



• It contains silica particles and nutrients

Silica is a carrier molecule with attached nutrients molecules



Silica Particle



Silica Particle with coupling agent



Silica Particle with active atoms

 Slow and long-lasting release of nutrients in the plant tissue

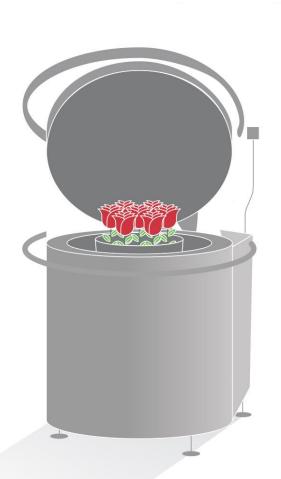




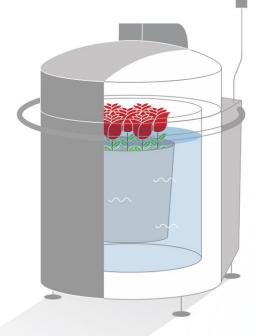






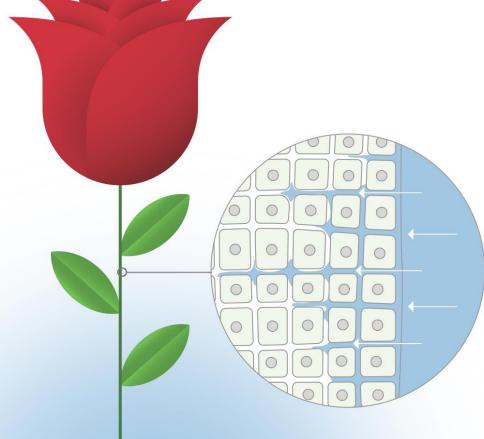


Cut flowers are placed inside the treatment chamber



Exposed to vacuum, drawing all the air out of the flower.

Impregnated with the nutrient solution, petals are protected from the solution



We reach the plant cells











• Longer vaselife of the flowers

• Better opening rate

Enhanced coloring of the petals and greener leaves









The biggest supermarket supplier in the Swedish market – Target to treat all flowers with Optiboost

Commercial agreement to enhance the cut flowers of Dagabs clients
A blind test with roses started together to get commercial data. Treatment at wholesaler APH, Malmö. 40 cm roses, 9-pack

- 16-week commercial evaluation
- 100 supermarkets sold OptiBoost treated roses
- 100 supermarkets as a control group
- 36% increased sales in volume
- 50% reduced wastage

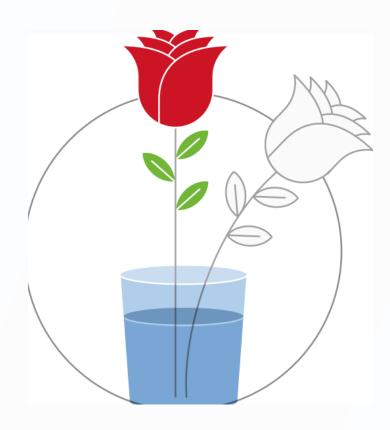






Benefits for the industry

- Less waste for the retail
- Higher quality of flowers customers are willing to pay more
- Extended warehousing, more flexible handling for wholesalers
- Possibility to change the transportation: sea freight and dry truck transport





Thank you!



