



ASIAFRUIT
BUSINESS FORUM



Professional Organization in Research & Marketing of Biotechnology Products

LytoFresh - the best quality solution for fresh produce

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Lytone Enterprise, Inc
2023/9/6



About Lytone



Lytone's family – agriculture and food



Fitness Probiotic

Beauty Probiotic

Growth Probiotic

Health Probiotic

GuoliBio 果利生技

PLUS 長舒勉 LytoPlus 機能益生菌

亮晶晶 LytoCrystal

利智傑 LytoSmart

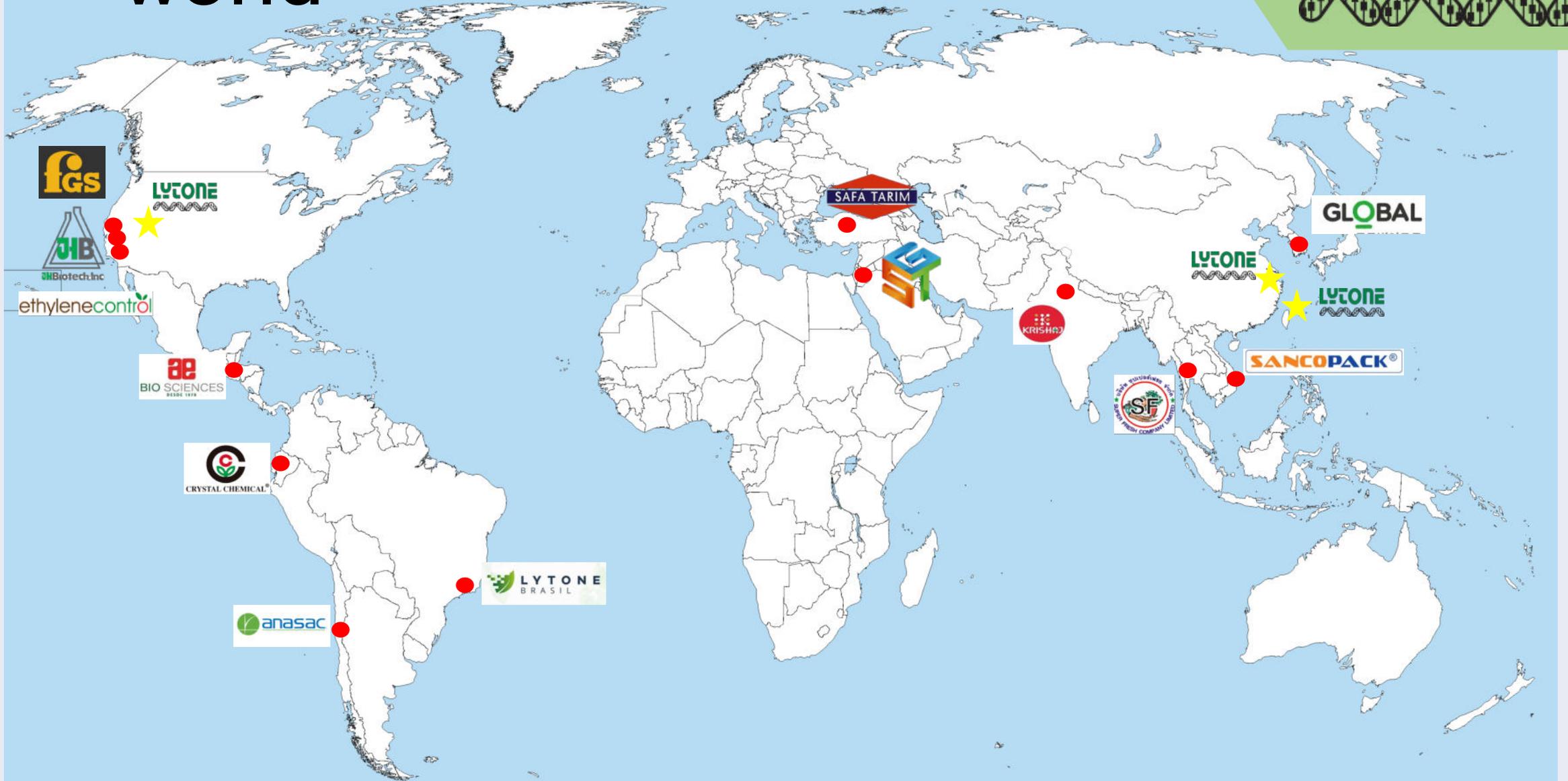
樂美酪3 LytoFlora-3 專為益生菌

利得纖S LytoOmega-3 凡爾登科 超級代謝力

90% Omega-3 LytoEX 高純度魚油精華

Lesscramp 利得勁 天然植物油精華

Partners around the world



Principle of LytoFresh



Pre-harvest

- Crop nutrition
- Pest control



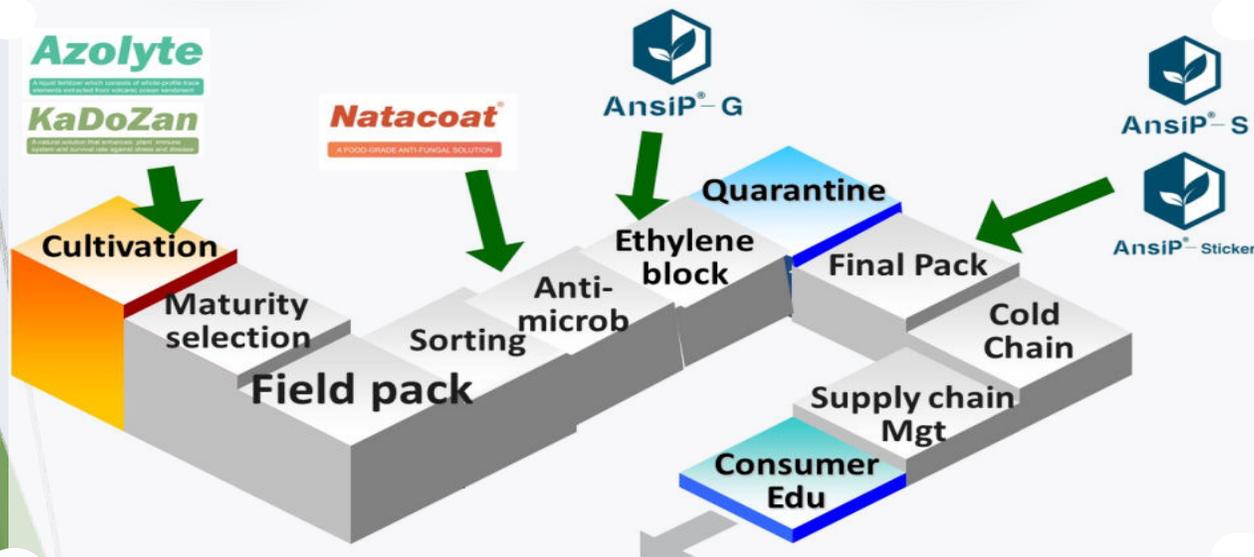
Post Harvest

- Microbial
- Ethylene



Supply chain

- Increase value
- Reduce loss



| | |
|---------------------------|--------------------|
| Azolyte® | : Crop nutrition |
| KaDoZan® / Chitamin®) | : Crop resilience |
| Natacoat® | : Fungal control |
| AnsiP®-G | : Ethylene control |
| AnsiP®-S / AnsiP®-sticker | : Supply chain |

A good quality and shelf life solution must be



- Simple to understand and easy to use
- Flexible and customizable
- Covering whole supply chain
- Sustainable and eco-friendly



CUSTOMIZABLE



TOTAL SOLUTION



Altogether save cost while protect quality



Know the enemy first



Common defects of fresh produce (post-harvest)

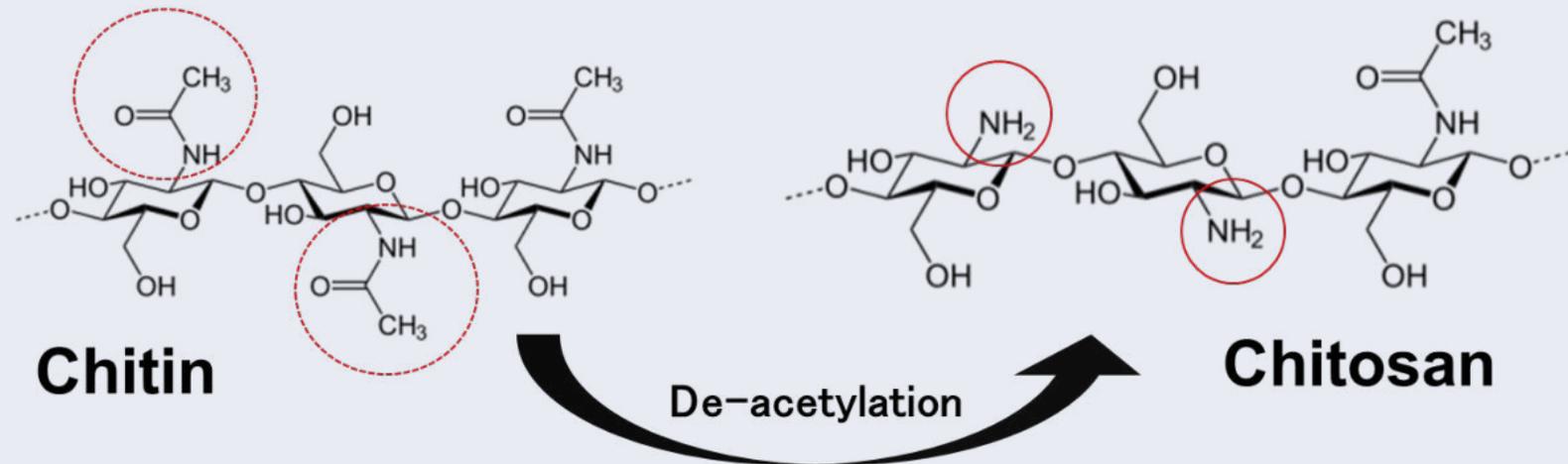
| Description | Reason |
|------------------------|--|
| Cracking | mechanical damage, water fluctuation |
| Shriveling | improper storage, water loss |
| Cell wall degradation | enzymatic or ethylene damage |
| Softening | water loss, ethylene damage |
| Physiological disorder | improper storage, nutrient imbalance |
| Over-ripening | ethylene damage |
| Disease attack | bacterial, fungi or other biological infection |

KaDoZan

For better plant growth



- ◆ Food grade chitosan with the best molecular weight
- ◆ Stimulate plant growth and physiological activity
- ◆ Enhance immune system against stress and disease attack

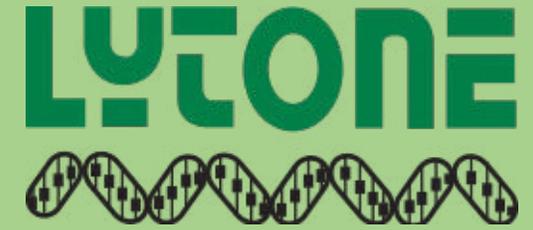


Chitosan with MW between 25,000-30,000 and de-acetylation rate more than 95%.



KaDoZan

For better plant growth



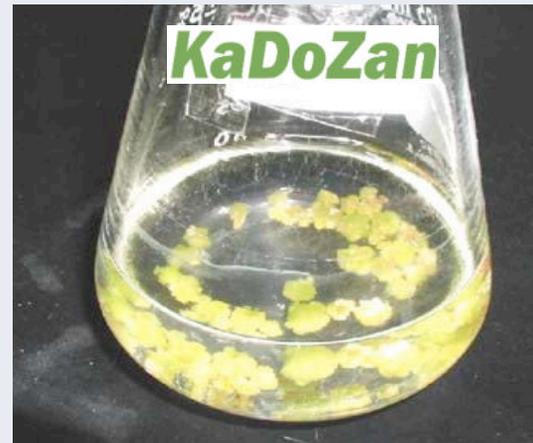
Suppress Plant Disease against *Fusarium oxysporum*



Raise Environmental Tolerance



Stimulate growth on Orchid plant tissue

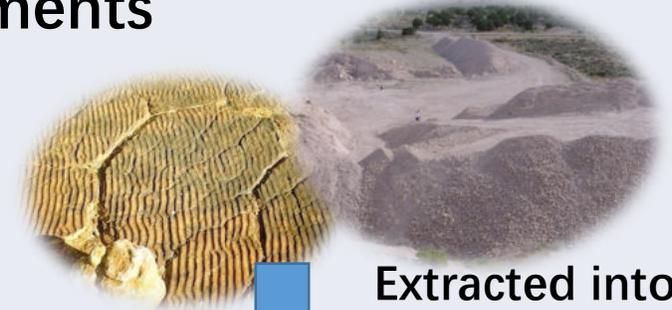


Azolyte

For better plant growth

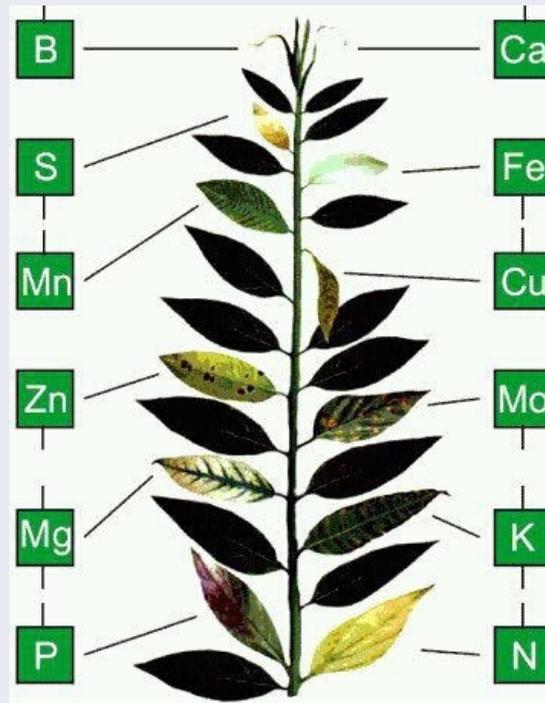


- ✓ Micro-elements extracted from ancient oceanic sediments
- ✓ Contributing to various plant physiological activities
- ✓ Tackling multiple issues of nutrient deficiency



Extracted into liquid fertilizer

Nutrient deficiency that can be dealt by Azolyte



👉 More than 60 elements

| | | | | |
|------|------|------|----|----|
| • P | • Fe | • Er | Bi | V |
| • K | • Mn | • Sm | Tl | Rb |
| • Ca | • Zn | • Ce | Ti | Pb |
| • Mg | • Cu | • Nd | Sb | Li |
| • S | • B | • U | Ba | Zr |
| | • Mo | • Tm | Th | Se |
| | • Cl | • Gd | Rh | Ta |
| | • Na | • Y | Ga | Au |
| | • Ni | • Sc | Hf | Ag |
| | • Co | • Tb | Hg | In |
| | • Al | • Yb | I | As |
| | • Si | • Lu | Sr | W |
| | | • Eu | Cr | Sn |
| | | • Sc | Ru | Be |
| | | | | Cd |

Azolyte

For better plant growth –

Variety: Kyoho

improve color change

Application: Azolyte (800X dilution) every 10 days (without Ethrel application)



control (other fertilizer)



Azolyte



Grape of more consistent color sells at **DOUBLE PRICE!!!**

Azolyte

For better plant
growth –

improve color change

Application: Azolyte (500X dilution) every 7 days (with Ethrel application)

Location: Petrolina, Brazil

Variety: ISIS

control
(other fertilizer)



Azolyte

Azolyte

For better plant growth –
improve color change



Application:
spray Azolyte (800X dilution)
every two weeks for 2 months



Azolyte

control
(other fertilizer)



AnsiP

Maximizing Shelf life

LYTONE



AnsiP[®]-G



0.18% of 1-MCP



AnsiP[®]-S



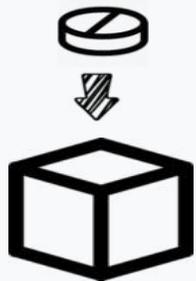
0.009% of 1-MCP



AnsiP[®]-Sticker



0.009% of 1-MCP



1.0 m³ storage
(35 ft³)



40 L
carton
(1.4 ft³)



(number of tablets depends on the varieties)





AnsiP

The efficacy



Avocado treated with AnsiP-G for 8 days at room temperature



control



Tomato treated with AnsiP-G for 10 days at 4°C cold room



control



control





AnsiP

The efficacy



Broccoli treated with AnsiP-G for **40 days** at 32-34^oF



control



control



Case study- mango from Taiwan to Japan



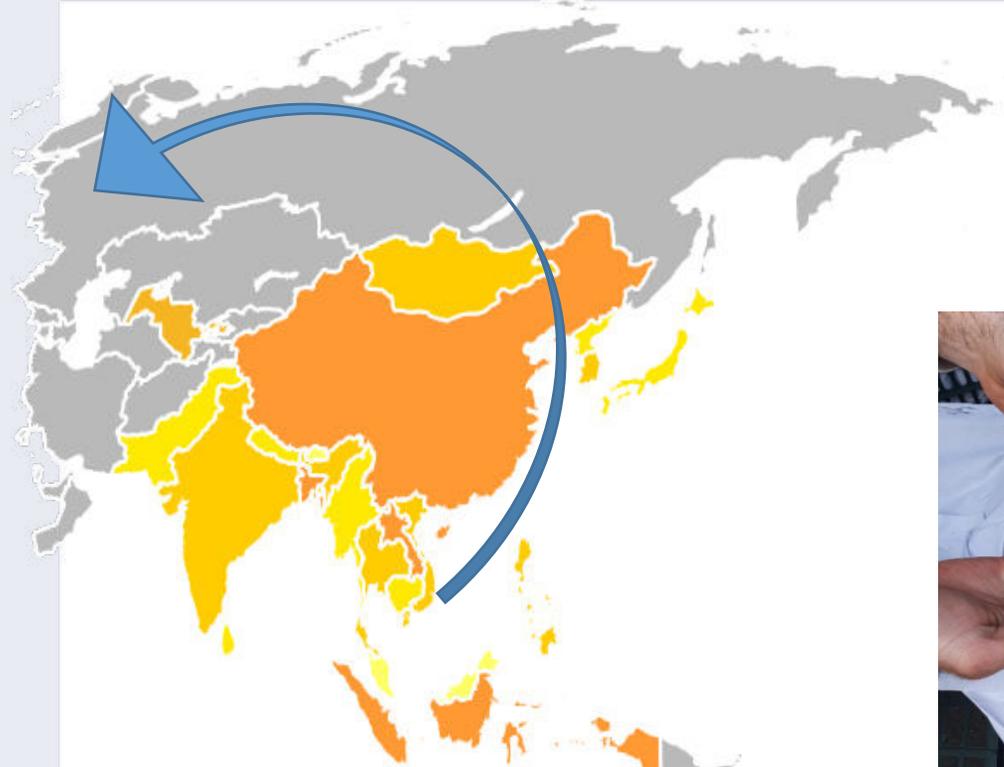
Apple mango packing house



Case study- mango from Vietnam to Russia

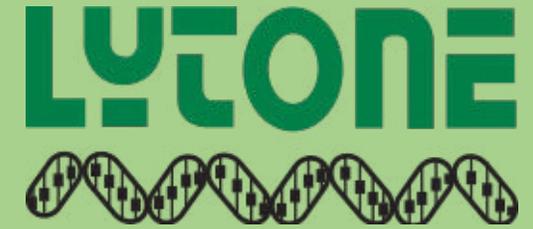


Mango container



**Shipping from Vietnam to Russia, 30-40 days
Quality still good**

What we changed in Thailand



<https://www.fruitnet.com/asiafruit/lytone-completes-successful-lytofresh-mangosteen-trial/247378.article>

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Lytone completes successful LytoFresh mangosteen trial

By [Liam O'Callaghan](#) | 11 October 2022



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LytoFresh technology used by Thai exporter Dragon Fresh to delay ripening

Lytone has completed a successful trial of its LytoFresh technology with Thai mangosteen exporter Dragon Fresh.



IG partners with The Fresh Connection to boost Indian exports



IFG wins "landmark" IP case in China

What we changed in Mexico



<https://www.fruitnet.com/asiafruit/lytone-completes-successful-broccoli-trial/248319.article>

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Lytone completes successful broccoli trial

By Liam O'Callaghan | 14 February 2023



MOST POPULAR

LATEST

What we changed in Brazil



<https://www.freshplaza.com/asia/article/9488880/we-are-happy-to-see-our-crop-nutrient-solution-boost-the-grape-quality-in-brazil/>

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GREENS THAT RULE.™

QUEEN OF GREENS

RAGING ROMAINE

Learn more about our

Lasting shelf life

Jarra Orri Feed your senses

www.orrijaffa.com

Lytone introduced a novel fertilizer 'Azolyte'
“We are happy to see our crop nutrient solution boost the grape quality in Brazil”

Starting from October 2022, grape vineyards around the city of Petrolina, Brazil, began their busy harvesting season. The relatively warm and dry climate in this region, with abundant irrigation resources from the São Francisco River valley, provides an ideal land for agricultural activities. Around 90% of the table grape production is exported to EU market, which generates huge profits for the industry every year. Varieties of table grapes from Petrolina include some well-known cultivars such as Thomson, Red Globe, Sugar Crisp, or local breeds such as Victoria or ISIS.





- Tested and recognized in more than 50 countries
- Registration under process of approval in 34 countries
- Technologies protected by 23 global patents
- Shipped fresh produce equivalent to more than 10,000 40ft containers every year

Our Mission & Vision



Crisis

FAO estimate loss of food world-wide **1.3** bn tons/yr, equals:



One-third of food produced for human consumption is lost or wasted globally, which amounts to about 1.3 billion tonnes per year.

60 Mn 40 ft. containers



LytoFresh



Solution

Post harvest loss

50%



5

%

LYTONE



Professional Organization in Research & Marketing of Biotechnology Products

Thank You for your attention!

