NUTAC®

High-performance Spray-dry Foliar Nutrients

SOTUS
QUALITY PRODUCTS

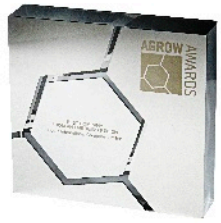
NUTAC® SPRAY-DRY TECHNOLOGY

Designed to boost yield and quality

SOTUS AND THE HISTORY OF SPRAY-DRY TECHNOLOGY IN FOLIAR NUTRITION

SOTUS

- A leading agrochemical and foliar nutrition products manufacturer and markerter in the Asia Pacific region
- A history of rapid and consistent year-on-year growth in the Thai markets since 1996
- A focus on ag specialties and collaboration with leading multinational suppliers
- Received the 2011 AGROW AWARD for "Best Company from an Emerging Region"
- To be a world leading producer of unique spray-dry foliar nutrition products



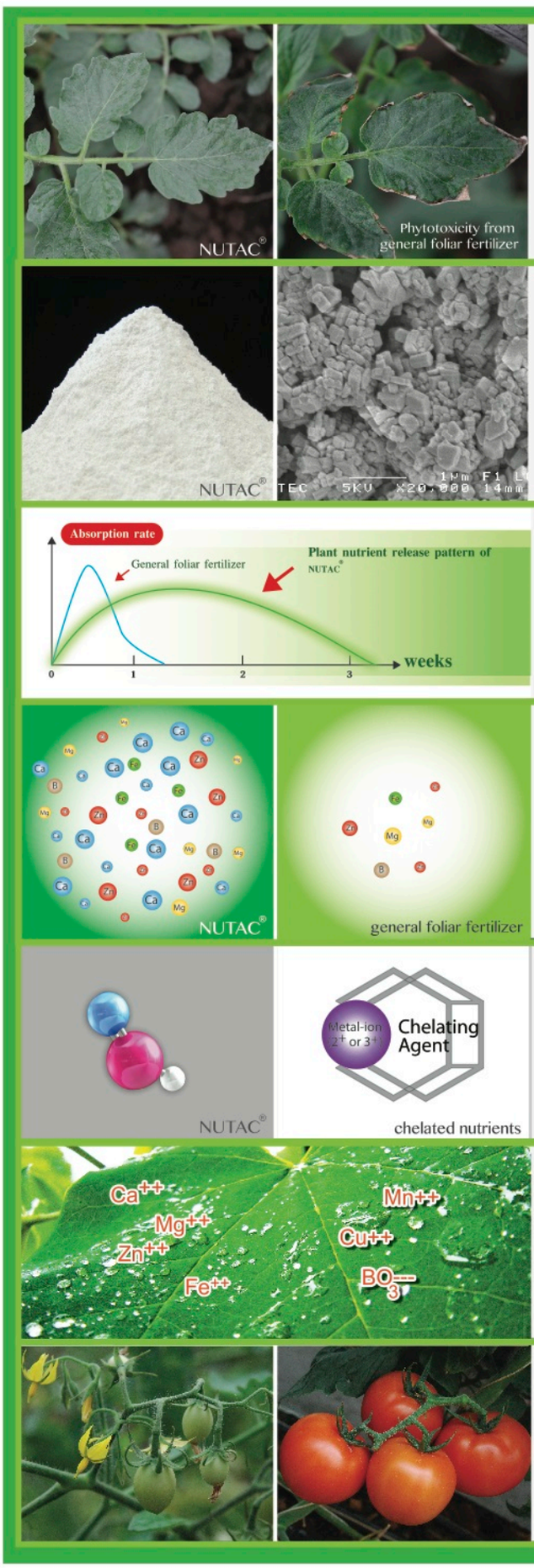
HISTORY OF SPRAY-DRY TECHNOLOGY

- In 1938,Dr.Leffingwell in California invented the first neutral copper foliar nutrition product for citrus – a precursor to spray-dry neutral powder products
- In 1957, Dr.Turrell of University of California (Riverside) researched with radio-isotope technology on a spray-dry foliar nutrient formulation containing Zn-P complex. He confirmed the solubility, absorption, translocation and crop safety aspects of the product and soundness of the technology. This is the fundamental technology that is now employed in NUTAC®
- Sotus has been a successful manufacturer and marketer of NUTAC® high-performance spray-dry foliar nutrients, first in Thailand and now in the Asia Pacific region

NUTAC® SPRAY-DRY TECHNOLOGY

- Nutrients are chemically reacted to form complexes
- The unique and sophisticated manufacturing technology ensures a product that has unique features and benefits critical for yield and quality enhancement

➡ Dry wettable powder in the form of fine particle size (1-5 microns)



FEATURES AND BENEFITS OF SPRAY-DRY TECHNOLOGY

- **Homogeneous and non-hygroscopic product**
  - ➡ Safe to crops
  - ➡ Free-flowing powders

- **Fine particle size**
  - ➡ Better adhesion to leaf surface
  - ➡ Better rain-fastness

- **Slow-release**
  - ➡ Allows treated plants to feed over a two to four week period

- **High nutrient loading products**
  - ➡ Provides treated plant with adequate and optimum nutrients at critical growth stages

- **Non-chelated products**
  - ➡ Allows ea ier foliar uptake of nutrients
  - ➡ Avoids creating nutrient deficiencies

- **Nutrients released are in the exact form utilized by plants**
  - ➡ More rapid and efficient utilization of the nutrients

- **Designed scientifically to boost yield and quality**
  - ➡ High P and Zn contents in products
  - ➡ P to supply the energy and Zn to act on the enzymatic system

NUTAC® SPRAY PROGRAM

Key NUTAC® foliar nutrition concepts

Apply a specific NUTAC® product at each critical growth stage of plants

➡ Ensuring optimum nutrition at all critical growth stages

	Apply **NUTAC® Super-N** and/or **NUTAC® Balance** for better vegetative growth
	Apply **NUTAC® Super-N** and/or **NUTAC® Balance** for leaf development
	Apply **NUTAC® Super-K** just before flowering stage for flower induction
	Apply **NUTAC® Super-N** and/or **NUTAC® Balance** for preventing fruit drop and increasing fruit size
	Apply **NUTAC® Super-K** and/or **NUTAC® Balance** for yield and quality improvement

NUTAC®
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EMPHASIS ON FAVORABLE RETURN ON INVESTMENT

Key NUTAC® concepts

A technology to improve farmers' plant nutrition program

➡ Focus on Return On Investment (ROI)

Use in spray programs to optimize feeding at critical growth stage

➡ Designed to boost yield and quality

Key crops	BENEFITS
	• To reduce fruit dropping • To increase yield • To improve quality and storageability
	• To increase uniformity in maturity • To increase fruit size • To improve color and quality
	• To increase fruit setting • To increase fruit size • To improve yield quality
	• To improve growth uniformity • To increase yield • To improve harvest quality

SOTUS
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