A PLANT NUTRITION AND BIOSTIMULANT COMPANY EXPANDING INTO BIOCONTROL

PREM WARRIOR ABIM - BASEL – OCTOBER 2015



Valagro has been developing with passion innovative and effective solutions for plant nutrition and care.

Mission Valagro





THE MISSION THE VISION THE VALUE

For years VALAGRO has been developing with passion **innovative and effective solutions for plant nutrition and care**, while respecting both people and the environment. The increasing demand from the world's population for food and well-being requires an effective response. Trusting in a return to nature is not a realistic alternative because it is not sufficient to meet the global needs. On the other hand, relying excessively on chemistry is not a sustainable choice for the environment in the long term.

Aware of this challenge, VALAGRO believes it is possible to find a third way: to meet the needs of humankind using fewer resources, thanks to a new Con-science, able to put Science at the service of man through innovation and respect for Nature.

This vision is supported by the following values:

O HONESTY AND INTEGRITY;

PASSION FOR THE CUSTOMER, PRODUCTS AND OUR WORK;

RESPONSIBILITY TO OURSELVES, OTHERS AND THE ENVIRONMENT;

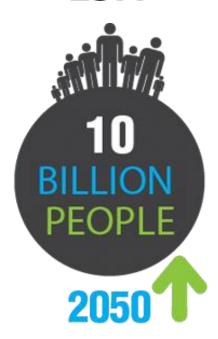
COHESION AND MULTICULTURALISM;

CONFIDENCE IN INNOVATION.





2011





COMPANY SNAPSHOT

Valagro is a leading global biostimulants and specialty nutrients company

1. BUSINESS OVERVIEW

- Founded in 1980.
- Develops **sustainable solutions** to enhance food production and improve nutritional quality.
- **20+ product lines** (Biostimulants, Micronutrients and Water-Soluble Nutrients).
- Three business units: Farm, Industrials and Garden & Turf.
- Sales in over 80 countries
- Revenue of \$118.4 million in 2014
- **⊘** 348 employees

Note: Euros converted to U.S. dollars assuming EUR/USD exchange rate of 1.378 for the year ended 2013. Revenue for years 2009 and 2010 are sourced from annual reports publicly filed with the Companies' Registry of Chieti.

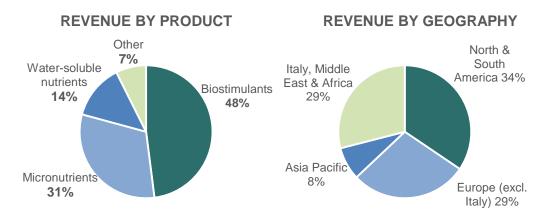
(1) Percentages do not add to 100% due to rounding.

ValagroWhere science serves nature

2. HISTORICAL REVENUE



3. REVENUE BY CATEGORY - 2014



OUR TECHNOLOGY PLATFORM



GeaPower reduces the cost of taking a solution to market while ensuring consistent efficacy





- Deep knowledge of the biological and chemical characteristics of raw materials
- Enables Valagro to identify, characterize and preserve specific active ingredients that can achieve targeted physiological responses in plants





- Customized extraction processes help maintain the correct ratio of each ingredient in complex natural mixtures
- Rigorous quality control processes helps to minimize batch-to-batch variability





- Use genomics, proteomics and metabolomics to decipher the genetic and molecular triggers for specific physiological responses in plant systems
- Screen more than 3,000 samples per day to map physiological responses to different environmental conditions





- Extensive experience with field experiments
- Commercial function and research function are closely integrated
- Allows Valagro to fast-track product candidates with the best chance of attaining commercial viability

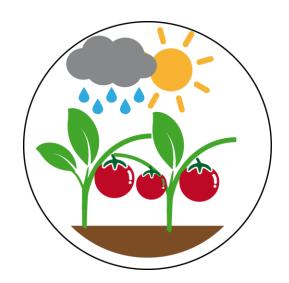


* Petrozza et al (2014) Scientia Horticulturae 174: 185-192

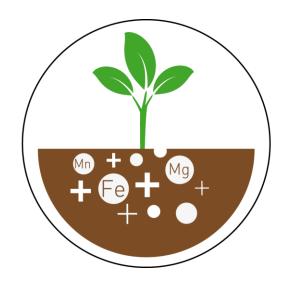
WHY BIOSTIMULANTS?

Plant Biostimulant means a material which contains substance(s) and/or microorganisms whose function when applied to plants or the rhizosphere is to stimulate natural processes to benefit nutrient uptake, nutrient efficiency, tolerance to abiotic stress, and/or crop quality, independently of its nutrient content.

BIOSTIMULANTS INCREASE **AGRICULTURAL EFFICIENCY**







2 BIOSTIMULANTS
Improve nutrient
USE EFFICIENCY



3 Improve CROP QUALITY



VALAGRO PRODUCT OFFERINGS

Valagro currently offers over 20 branded product lines

1. ENTIRE CROP LIFE CYCLE

Solutions are highly effective in fostering plant growth and development from seed germination to plant maturity

2. MULTIPLE CROPS ACROSS GEOGRAPHIES, CLIMATE AND SOIL CONDITIONS

- Megafol, Master and Brexil are used for every crop type
- Products are sold in 80+ countries, encompassing unique climates and soil conditions

3. COMPREHENSIVE SOLUTIONS FOR EVOLVING NEEDS

- Protecting and recovering from abiotic stresses such as drought, cold and salinity
- Enhancing nutrient and water use efficiency
 - · Reducing waste and pollution · Enhancing soil fertility
- Improving metabolic efficiency to increase yield and enhance crop quality
 - Accelerating the onset of maturity in perennial crops Extending the self-life of produce

4. PROVEN YIELD AND QUALITY RESULTS

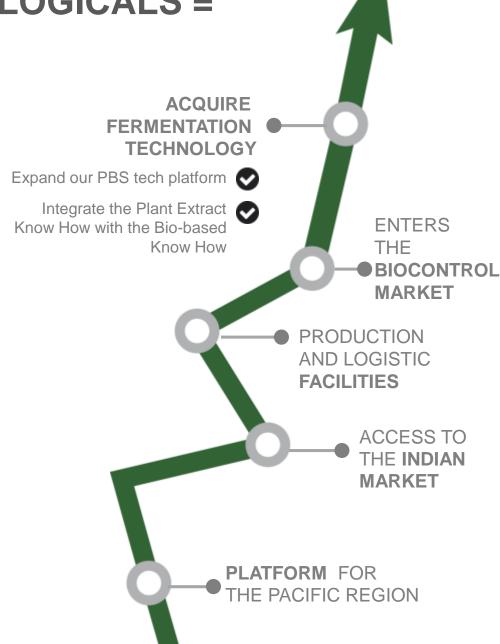
- Megafol showed an average increase in yield of 15% across crops such as wheat, corn, rice, carrots, tomatoes, apples and grapes
- Megafol Protein demonstrated an 8% increase in protein content for wheat, soybean and alfalfa



BIOSTIMULANTS + BIOLOGICALS = A NEW OPPORTUNITY

Biological expertise

- In March 2015, Valagro S.p.A announced that it has reached an agreement to acquire a majority stake in the biopesticide company Sri Biotech Laboratories India Limited.
- SriBio has developed eco-friendly solutions for addressing key pest/disease affecting farmers in the Indian subcontinent through its multiple national and international partnerships.
- SriBio is engaged in innovative research in the areas of crop improvement, crop nutrition and crop protection serving over 10 million farmers across 13 States in India and it invests about 3.5 % annually in R&D.
- SriBio has own manufacturing facilities
- SriBio is the first company to register Bio-Products with The Central Insecticides Board. Sri Biotech has twenty organically certified products by APEDA through Vedic Organic Certification Agency.





VALAGRO SOLUTIONS TO ADDRESS THE GLOBAL MARKET NEEDS







NUTRIENT USE EFFICIENCY

- P SOLUBILIZATION
- N FIXING
- SOIL FERTILITY

CROP QUALITY

- FRUIT SIZE
- FRUIT COLOR/ BRILLIANCE

ABIOTIC STRESS

- **OROUGHT & HEAT**
- **CHILLING**
- **SALINITY**
- **WATER SCARCITY**

BIOCONTROL

- **FUNGICIDES**
- **BACTERICIDES**
- **HERBICIDES**
- **INSECTICIDES**
- **FORMULATIONS**

"EXPLORING FIELD"

- M INTELLIGENT FERTILIZER
- **⊘** NANOTECHNOLOGY
- **O** DIAGNOSTICS ON CROPS
- PRECISION AG

> VALAGROTODAY

CURRENT

TOMORROW

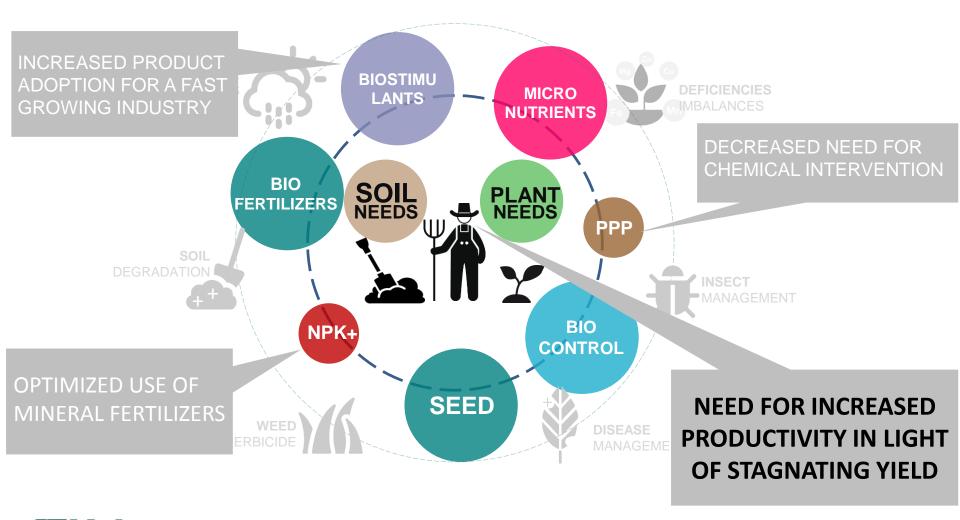
CURRENT

TOMORROW

FUTURE



INTEGRATED CROP MANAGEMENT THE WAY FOWARD





INTEGRATED CROP MANAGEMENT THE ROLE OF BIOLOGICALS

VALAGRO'S APPROACH FOUNDED ON



BIOSTIMULANT









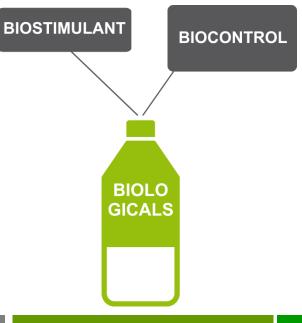
BIOCONTROL

AGRICULTURAL BIOLOGICALS



INTEGRATED CROP MANAGEMENT THE CREDIBILITY OF BIOLOGICALS







TOMORROW

IN THE PAST, PUBLIC AND
PRIVATE RESEARCHERS OFTEN
FAILED TO SUBSTANTIATE THE
CLAIMS, RESULTING IN
SUGGESTIONS THAT SUCH
PRODUCTS WERE "SNAKE OIL"

TODAY

IN RECENT YEARS, NEW-GENERATION OF BIOLOGICALS HAVE PROVEN THEMSELVES AS YIELD ENHANCERS AND BIOPESTICIDES AND SOMETIMES BOTH.

FUTURE

CREDIBILITY REQUIRES
A THROUGH AND FAIR
REGULATION MAINLY
FOR BIOSTIMULANTS
WHERE WW THERE
AREN'T ANY REGULATION

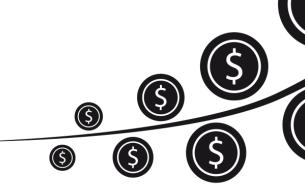


FUTURE OUTLOOK

- Chemicals are essential; but, fewer chemistries will emerge too expensive!
- Crop improvement, including GMOs, will remain the cornerstone of agriculture for defined traits/markets in specific geographies
- Need improved market access for biologicals, biostimulants new technologies, better science, quality and clear value proposition
- Need for Federal Regulation for Biostimulants
- Judicious integration of cost-effective alternatives ICM for sustainable agriculture in the face of climate change

BIOLOGICALS

- 1 BIOSTIMULANT
- 2 BIOCONTROL
- 3 BIOFERTILIZER



WILL continue to GAIN MARKET SHARE



SUSTAINABILITY - IN THE FACE OF CLIMATE CHANGE







WIN **THE**GLOBAL CHALLENGE **TOGETHER**











