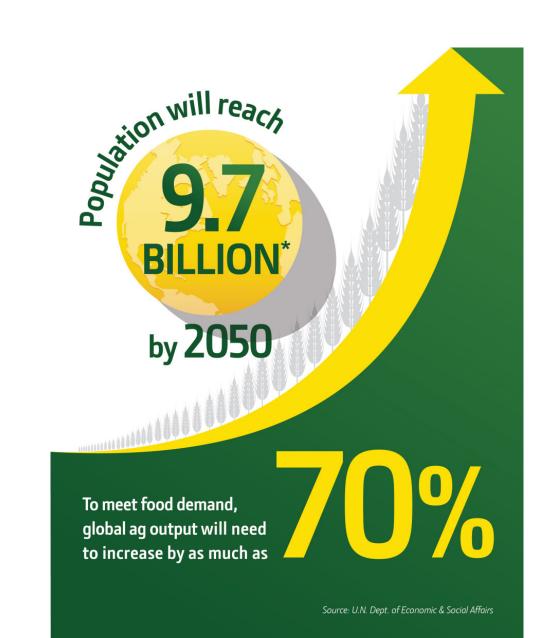
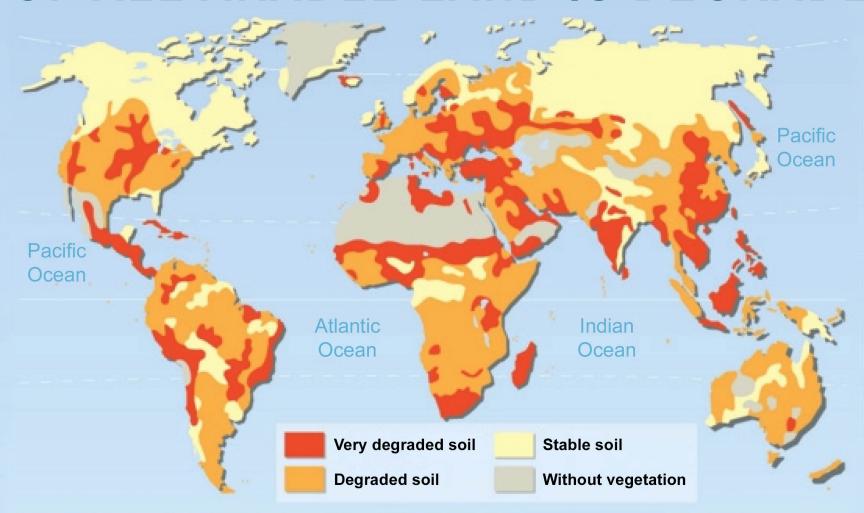


2050: A THIRD MORE MOUTHS TO FEED



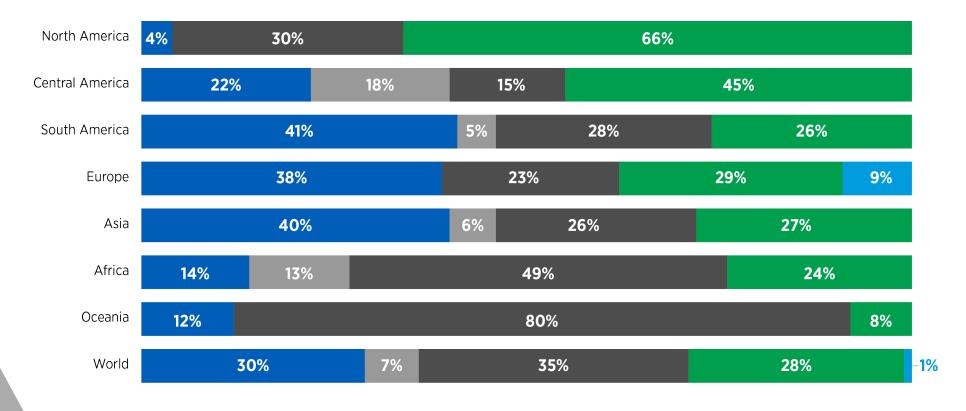
60 YEARS OF FARMING REMAINING

1/3 OF ALL ARABLE LAND IS DEGRADED



SOURCE: UNEP, International Soil Reference and Information Centre (ISRIC), World Atlas of Desertification, 1997. Philippe Rekacewicz, UNEP/GRID-Arendal

RESTORING SOIL HEALTH IS A SHARED RESPONSIBILITY





PRINCIPAL CAUSES OF SOIL DEGRADATION

(CATEGORIES NOT SHOWN IN A REGION REPRESENT LESS THAN 1%)



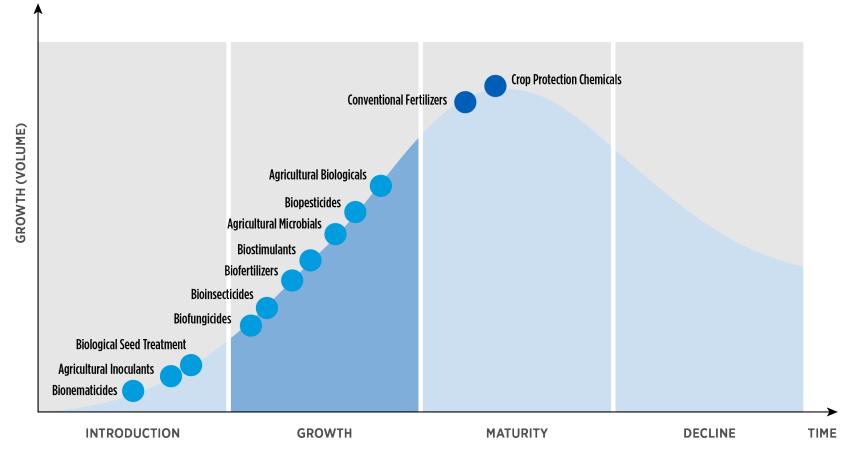
AG BIOLOGICALS DEFINED

Diverse group of products, derived from naturally occurring microorganisms, plant extracts, beneficial insects or other organic matter.



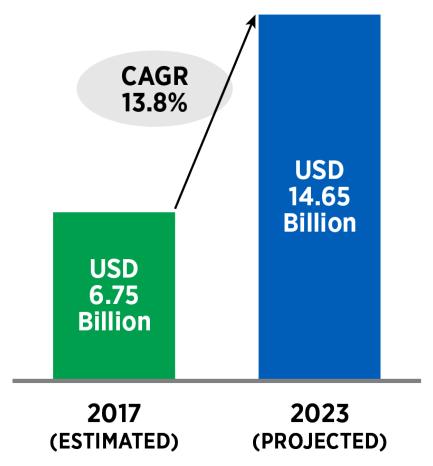


OUR MARKET SEGMENT IS AT THE EARLY GROWTH STAGE



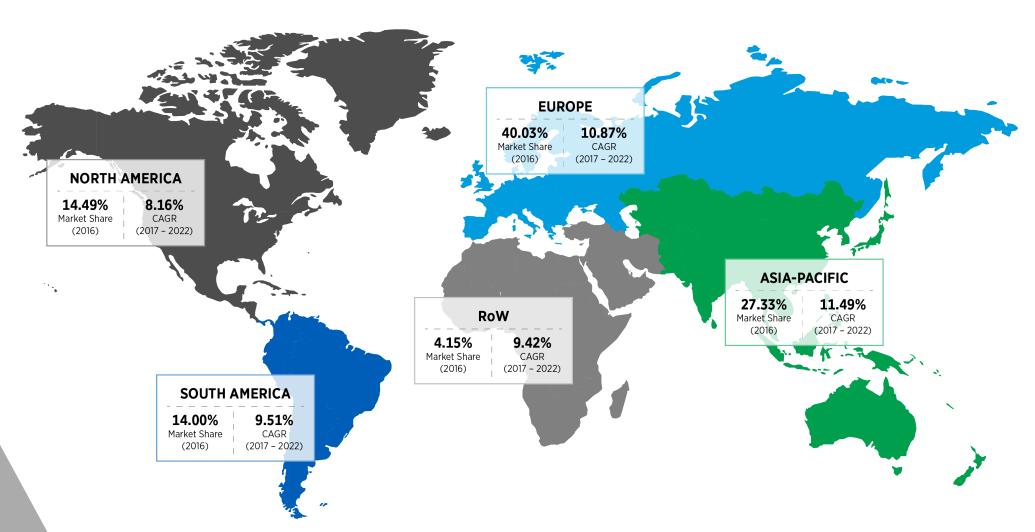
LIFE CYCLE ANALYSIS: KEY AGRICULTURAL BIOLOGICAL SUBCATEGORIES

INDUSTRY PROJECTED TO GROW BY USD 7.9 BILLION OVER 5 YEARS

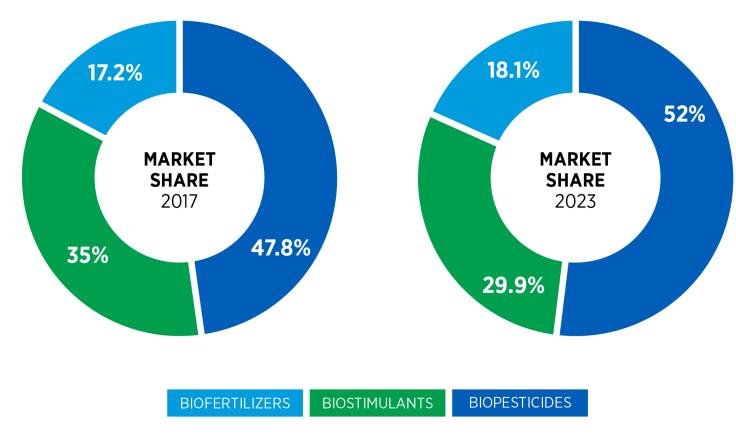


ATTRACTIVE OPPORTUNITIES IN THE AGRICULTURAL BIOLOGICALS MARKET (2017 vs. 2023)

BIOSTIMULANT DEMAND GROWING IN ALL GEOGRAPHIES



MARKET EVENLY SPLIT BETWEEN BIOPESTICIDES AND BIOSTIMULANTS



AGRICULTURAL BIOLOGICALS MARKET SHARE (VALUE) 2017 vs. 2023

SOURCE: National Greenhouse Manufacturers Association, U.S. Department of Agriculture, Company Websites, Investor Presentations, Expert Interviews, Industry Journals, Magazines and MarketsandMarkets Analysis

DEMAND IS BEING DRIVEN BY ALL KEY STAKEHOLDERS

Consumers

Desire for greener food

Farmers

- Soil health
- Disease & Pest resistance
- Health & Safety

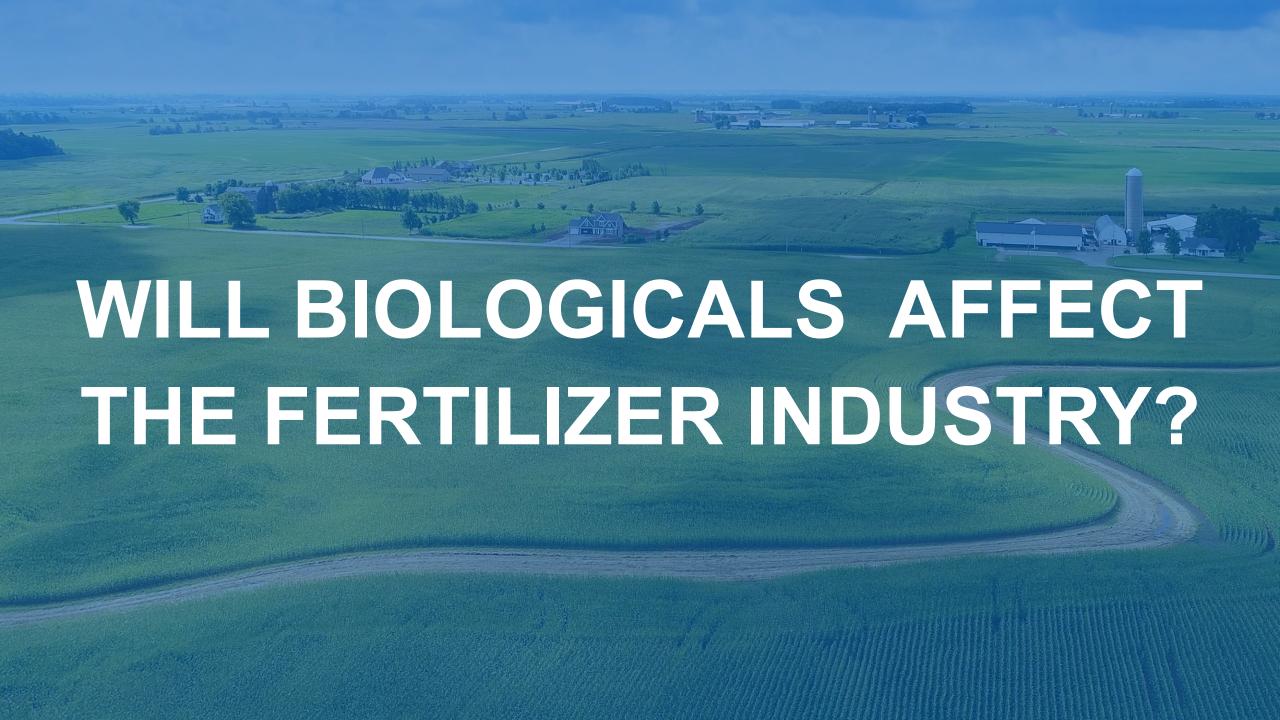
Food Companies

 Growing commitment to sustainability

Industry

- Bolster product pipeline
- Cost to develop a Biological vs new
 Chemical is ~80%-90% lower

THE PRODUCTS WORK!



IMPROVING NUTRIENT USE EFFICIENCY IS A KEY TARGET OF THE AG BIOLOGICAL SECTOR

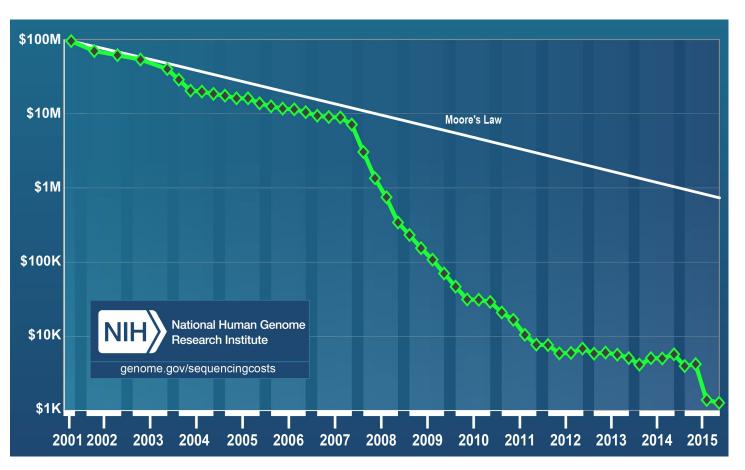
NUTRIENT	EFFICIENCY PERCENTAGE
N	30 – 50
Р	10 – 20
K	<80
S	8 – 12

NUTRIENT	EFFICIENCY PERCENTAGE
Zn	2 – 5
Fe	1 -2
Cu	1 – 2
Mn	1 - 2

PRODUCT EFFICACY IS BASED UPON SCIENTIFIC RESEARCH

CROPS	REGION/ COUNTRY	# TRIALS (EST. BIG DATA)	AGRINOS YIELD INCREASES
Corn, Wheat, Soybean, Onions, Sorghum, Cotton, Potatoes, Citrus, Strawberry, Fruit Trees, Almonds, Tomatoes	USA	150	5 – 30%
Melons, Tomatoes, Peppers, Strawberry, Fruit Trees	Spain	35	7 – 19%
Wheat, Potatoes, Rape, Corn, Vegetables, Sugarbeets	Europe	30	10%
Tea, Peanut, Cotton, Potatoes, Rice, Wheat, Tomatoes, Sugarcane, Grapes	India	130	14%
Sugarcane, Eucalyptus, Tomato, Potatoes, Wheat, Corn, Soybean, Coffee, Garlic	Brazil	140	15%
Oil Palm, Corn	Asia	12	7 – 20%
Peppers, Tomatoes, Tobacco, Rice, Potato, Vegetables, Ginger, Banana	China	25	14 – 17%
TOTAL	13	522	6 – 16%

ADVANCEMENTS IN GENOME SEQUENCING WILL ALLOW FOR RAPID PROGRESS IN BIOLOGICAL RESEARCH



5 million trillion bacteria living on the earth

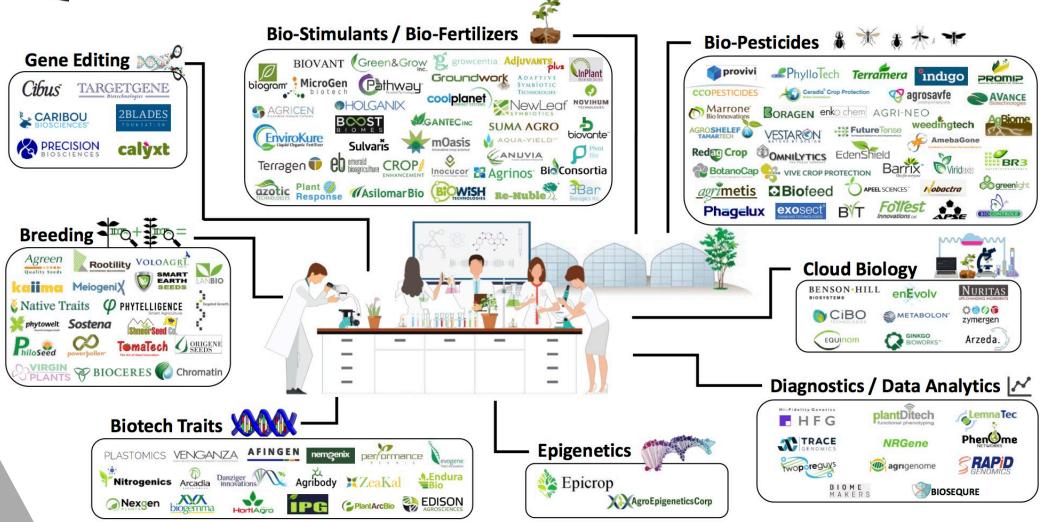
If they were pennies, the stack would reach a trillion light years.

COST PER GENOME

\$2.9 BILLION IN FUNDING RAISED







BIOLOGICALS SUPPORT SUSTAINABLE INTENSIFICATION OF AGRICULTURE PRODUCTION

Technological breakthrough with more advancements coming

Support nutrient use efficiency and sustainable production

Synergistic relationship with traditional crop inputs and fertilizer

Ag Biologicals represent a technological breakthrough and will become a mainstay of modern agricultural production around the world.

Kevin Helash Chief Executive Officer

