

Agricultural Micronutrients Market by Type (Zinc, Boron, Iron, Manganese, Molybdenum, Copper), Mode of Application (Soil, Foliar and Fertigation), Form (Chelated and Non-Chelated Micronutrients), Crop Type and Region - Global Forecast to 2028

<https://marketpublishers.com/r/A4866CCC7B8EN.html>

Date: November 2023

Pages: 301

Price: US\$ 4,950.00 (Single User License)

ID: A4866CCC7B8EN

Abstracts

The global market for agricultural micronutrients is estimated to be valued at USD 4.5 Billion in 2023 and is projected to reach USD 6.9 Billion by 2028, at a CAGR of 8.6% during the forecast period.

The growth of the agricultural micronutrients market is being driven by various factors. One key factor is the global population's increasing demand for food. Another significant factor is the prevalence of soil imbalances and deficiencies in micronutrients, which negatively affect crop growth. Factors such as humidity, temperature, and soil pH contribute to these imbalances, emphasizing the need for micronutrient applications to enhance soil health and crop quality. Additionally, the growing awareness among farmers about the importance of micronutrients in improving agricultural yield further propels the market's growth. These factors collectively contribute to the expansion of the agricultural micronutrients market, enhancing crop production and food security.

“By form, the chelated segment is estimated to be growing at a significant CAGR in the agricultural micronutrients market.”

The growth of chelated agricultural micronutrients is being fastened by several factors. Chelated fertilizers have demonstrated the potential to significantly increase crop yields, especially in low-micronutrient stress or nutrient-deficient soils, making them a valuable solution for improving agricultural productivity. These micronutrients are available in various forms, including chelated micronutrient fertilizers, which offer benefits such as

improved plant growth and health. Chelates are versatile and can be used as fertilizer additives, in seed dressing, and through foliar sprays, making them adaptable to a wide range of agricultural applications. Additionally, the chelated segment is projected to be the fastest-growing in the agricultural micronutrients market, reflecting their increasing adoption in the agricultural industry. These factors collectively contribute to the accelerated growth of chelated agricultural micronutrients in modern agriculture.

“By type, manganese is anticipated to be growing at a significant CAGR during the forecast period in the agricultural micronutrients market.”

Manganese is a crucial micronutrient for plant growth, and its effectiveness in agriculture is influenced by various factors: Manganese plays essential roles in plant development, photosynthesis, and enzymatic processes, making it a vital micronutrient for overall plant health. The use of chelated-based manganese fertilizers enhances the availability and uptake of manganese in plants, promoting its efficient utilization for growth and productivity. The dynamics and transformations of manganese in soils are influenced by factors like soil pH, electrical conductivity (EC), and soil organic matter, which can affect manganese's availability to plants. Different plant species have varying manganese requirements, and understanding these specific needs aids in optimizing manganese application for growth acceleration.

“Among modes of application, the soil is estimated to grow at a CAGR of 7.7% during the forecast period.”

The growth of soil through the application of agricultural micronutrients is influenced by several key factors. The choice of micronutrients and their balanced application is essential. A precise blend of micronutrients, including boron (B), chloride (Cl), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo), nickel (Ni), and zinc (Zn), supports plant growth and ensures a proper balance of essential nutrients. Agricultural practices such as soil water management and soil amendments can enhance the accessibility of soil micronutrients. These practices help make micronutrients more readily available to plants, facilitating their growth. The application of crop residues can contribute to the availability of micronutrients in the soil. These residues enrich the soil with organic matter, which can convert adsorbed fractions of micronutrients into more plant-accessible forms, supporting soil health and plant growth. The sustained use of micronutrient fertilizers over time can have a positive impact on soil health and plant growth. It helps maintain consistent nutrient levels and prevents deficiencies that can hinder soil productivity.

“North America to grow at a significant CAGR during the forecast period in the agricultural micronutrients market.”

Soil imbalances and deficiencies of micronutrients, driven by factors such as humidity, temperature, and soil pH, create a strong demand for micronutrient fertilizers and amendments to rectify these issues and improve agricultural productivity. This market's substantial size and the investment opportunities it presents are attracting companies and driving innovation and competition in the sector. With an ever-increasing population and the need to enhance agricultural productivity and food quality, the demand for micronutrient applications in farming practices is on the rise, contributing to the growth of this market.

The break-up of the profile of primary participants in the agricultural micronutrients market:

By Company: Tier 1 – 30%, Tier 2 - 30%, Tier 3 – 40%

By Designation: CXOs – 40%, Manager level – 25%, and C-Level- 35%

By Region: North America -16%, Europe – 30%, Asia Pacific – 40%, South America – 10%, RoW – 4%,

Major key players operating in the agricultural micronutrients market include BASF SE (Germany), Yara International ASA (Norway), and Coromandel International Limited (India).

Research Coverage:

This research report categorizes the agricultural micronutrients market, by type (zinc, boron, iron, manganese, molybdenum, copper), by mode of application (soil, foliar, and fertigation), form (chelated and non-chelated micronutrients), crop type (fruits & vegetables, cereals and grains, oilseed & pulses), and region (North America, Europe, Asia Pacific, South America, and RoW). The scope of this report encompasses a comprehensive examination of major factors, including drivers, restraints, challenges, and opportunities, that significantly influence the growth of the agricultural micronutrients market. Extensive research has been conducted to analyze key industry players, offering valuable insights into their business overview, product offerings, key strategies, contracts, partnerships, new product launches, as well as mergers and

acquisitions associated with the agricultural micronutrients market. Furthermore, the report includes a competitive analysis of emerging startups in the agricultural micronutrients market ecosystem.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall agricultural micronutrients market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increase in micronutrients in soil), restraints (Booming organic fertilizer industry), opportunities (Development of biodegradable chelates), and challenges (Need for sustainable sourcing of raw materials) influencing the growth of the agricultural micronutrients market.

New Product launch/Innovation: Detailed insights on research & development activities and new product launches in the agricultural micronutrients market.

Market Development: Comprehensive information about lucrative markets – the report analyses the agricultural micronutrients market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the agricultural micronutrients market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players like BASF SE (Germany), Yara International ASA (Norway), Coromandel International Limited (India), and others in the agricultural micronutrients market strategies.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

TABLE 1 INCLUSIONS AND EXCLUSIONS PERTAINING TO AGRICULTURAL MICRONUTRIENTS MARKET

1.3 STUDY SCOPE

FIGURE 1 AGRICULTURAL MICRONUTRIENTS MARKET SEGMENTATION

1.3.1 REGIONS COVERED

1.4 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

TABLE 2 USD EXCHANGE RATES, 2019–2022

1.6 UNIT CONSIDERED

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 AGRICULTURAL MICRONUTRIENTS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Breakdown of primary interviews

2.1.3 MARKET SIZE ESTIMATION

2.1.4 BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.1.5 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.2 DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION METHODOLOGY

2.5 RECESSION IMPACT ANALYSIS

2.6 RECESSION MACRO INDICATORS

FIGURE 8 RECESSION MACRO INDICATORS

FIGURE 9 GLOBAL INFLATION RATE, 2011–2022

FIGURE 10 GDP, 2011–2022 (USD TRILLION)

FIGURE 11 RECESSION INDICATORS AND THEIR IMPACT ON AGRICULTURAL MICRONUTRIENTS MARKET

FIGURE 12 AGRICULTURAL MICRONUTRIENTS MARKET: EARLIER FORECAST VS. RECESSION FORECAST

3 EXECUTIVE SUMMARY

TABLE 3 AGRICULTURAL MICRONUTRIENTS MARKET SNAPSHOT, 2023 VS. 2028

FIGURE 13 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023 VS. 2028 (USD MILLION)

FIGURE 14 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023 VS. 2028 (USD MILLION)

FIGURE 15 AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023 VS. 2028 (USD MILLION)

FIGURE 16 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023 VS. 2028 (USD MILLION)

FIGURE 17 AGRICULTURAL MICRONUTRIENTS MARKET SHARE (VALUE), BY REGION, 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AGRICULTURAL MICRONUTRIENTS MARKET

FIGURE 18 INCREASE IN MICRONUTRIENT DEFICIENCY IN SOIL TO PROPEL MARKET

4.2 AGRICULTURAL MICRONUTRIENTS MARKET: GROWTH RATE OF MAJOR REGIONAL SUBMARKETS

FIGURE 19 VIETNAM PROJECTED TO BE FASTEST-GROWING MARKET DURING FORECAST PERIOD

4.3 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY KEY TYPE & COUNTRY

FIGURE 20 CHINA ACCOUNTED FOR LARGEST SHARE OF ASIA PACIFIC MARKET IN 2022

4.4 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023 VS. 2028

FIGURE 21 MOLYBDENUM TO DOMINATE MARKET DURING FORECAST PERIOD

4.5 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023 VS. 2028

FIGURE 22 FRUITS & VEGETABLES PROJECTED TO DOMINATE MARKET DURING FORECAST PERIOD

4.6 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION,

2023 VS. 2028

FIGURE 23 FOLIAR TO DOMINATE MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MACROINDICATORS

5.2.1 RISING DEMAND FOR FOOD PRODUCTION TO SUSTAIN AND NOURISH BURGEONING POPULATION

FIGURE 24 WORLD POPULATION, 1950 TO 2021

5.2.2 SHIFT TOWARD PURCHASE OF ORGANICALLY GROWN CROPS
FIGURE 25 AREA HARVESTED, BY CROP TYPE, 2014–2020 (HA)

5.2.3 NEED FOR AFFORDABLE AND HEALTHY MICRONUTRIENTS FOR HUMAN CONSUMPTION

5.3 MARKET DYNAMICS

FIGURE 26 AGRICULTURAL MICRONUTRIENTS MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Increase in micronutrient deficiency in soil

5.3.1.2 Rising crop production rates and quality of arable lands

5.3.1.3 Focus on sustainable soil management practices by governments

5.3.1.4 Improved awareness and understanding of micronutrient management practices among farmers

5.3.2 RESTRAINTS

5.3.2.1 Booming organic fertilizer industry

5.3.2.2 Bioaccumulation of non-biodegradable chelates

5.3.2.3 Fluctuating costs of raw materials

5.3.3 OPPORTUNITIES

5.3.3.1 Emphasis on production of biodegradable chelates

5.3.3.2 Growing trend of urban agriculture

5.3.4 CHALLENGES

5.3.4.1 Lack of awareness in developing regions regarding benefits of micronutrients

5.3.4.2 Lack of sustainable sourcing of raw materials

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.2.1 RESEARCH AND PRODUCT DEVELOPMENT

6.2.2 SOURCING

6.2.3 PRODUCTION

6.2.4 MARKETING, SALES, LOGISTICS, AND RETAIL

FIGURE 27 VALUE CHAIN ANALYSIS: KEY CONTRIBUTORS IN SOURCING AND PRODUCTION

6.3 SUPPLY CHAIN ANALYSIS

FIGURE 28 SUPPLY CHAIN ANALYSIS

6.4 TECHNOLOGY ANALYSIS

6.4.1 NEW ENVIRONMENTALLY FRIENDLY BIO-BASED MICRONUTRIENT FERTILIZERS BY BIOSORPTION

6.4.2 PRECISION TECHNOLOGY IN FERTILIZER APPLICATION

6.5 PATENT ANALYSIS

FIGURE 29 NUMBER OF PATENTS FILED, 2012–2022

FIGURE 30 JURISDICTIONS WITH HIGHEST PATENT APPROVALS FOR AGRICULTURAL MICRONUTRIENTS, 2016–2022

6.5.1 LIST OF MAJOR PATENTS, 2018–2023

TABLE 4 PATENTS GRANTED FOR AGRICULTURAL MICRONUTRIENTS MARKET

6.6 ECOSYSTEM ANALYSIS

FIGURE 31 AGRICULTURAL MICRONUTRIENTS MARKET: PRODUCT R&D AND PRODUCTION

TABLE 5 ROLE OF PLAYERS IN ECOSYSTEM

FIGURE 32 ECOSYSTEM MAPPING

6.7 TRADE ANALYSIS

TABLE 6 IMPORT VALUE AND QUANTITY OF MINERALS OR CHEMICAL FERTILIZERS FOR KEY COUNTRIES, 2022 (USD THOUSAND & TONS)

TABLE 7 EXPORT VALUE AND QUANTITY OF MINERALS OR CHEMICAL FERTILIZERS FOR KEY COUNTRIES, 2022 (USD THOUSAND & TONS)

6.8 KEY CONFERENCES & EVENTS

TABLE 8 DETAILED LIST OF KEY CONFERENCES & EVENTS, 2023–2024

6.9 TRENDS/DISRUPTIONS IMPACTING BUYERS

FIGURE 33 REVENUE SHIFT IN AGRICULTURAL MICRONUTRIENTS MARKET

6.10 AVERAGE SELLING PRICE

6.10.1 INTRODUCTION

FIGURE 34 AVERAGE SELLING PRICE TREND, BY TYPE, 2022 (USD/KG)

TABLE 9 AVERAGE SELLING PRICE OF KEY PLAYERS, BY TYPE

TABLE 10 ZINC: AVERAGE SELLING PRICE, BY REGION, 2018–2022 (USD/TON)

TABLE 11 BORON: AVERAGE SELLING PRICE, BY REGION, 2018–2022 (USD/TON)

TABLE 12 MOLYBDENUM: AVERAGE SELLING PRICE, BY REGION, 2018–2022 (USD/TON)

TABLE 13 COPPER: AVERAGE SELLING PRICE, BY REGION, 2018–2022

(USD/TON)

TABLE 14 MANGANESE: AVERAGE SELLING PRICE, BY REGION, 2018–2022

(USD/TON)

TABLE 15 IRON: AVERAGE SELLING PRICE, BY REGION, 2018–2022 (USD/TON)

TABLE 16 OTHER TYPES: AVERAGE SELLING PRICE, BY REGION, 2018–2022

(USD/TON)

6.11 CASE STUDY ANALYSIS

6.11.1 NEW ENVIRONMENT-FRIENDLY FERTILIZER OBTAINED BY VALORIZATION OF POST-EXTRACTION BIOMASS RESIDUES OF ALFALFA AND GOLDENROD

6.11.2 QUANTITATIVE RESEARCH PERFORMED TO ANALYZE SOILS AND CROP SAMPLES COLLECTED, SHOWING EFFECTS OF ORGANIC FARMING SYSTEMS

6.12 PORTER'S FIVE FORCES ANALYSIS

TABLE 17 IMPACT OF PORTER'S FIVE FORCES ANALYSIS

6.12.1 THREAT OF NEW ENTRANTS

6.12.2 THREAT OF SUBSTITUTES

6.12.3 BARGAINING POWER OF SUPPLIERS

6.12.4 BARGAINING POWER OF BUYERS

6.12.5 INTENSITY OF COMPETITIVE RIVALRY

6.13 KEY STAKEHOLDERS & BUYING CRITERIA

6.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 35 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 MODES OF APPLICATION

TABLE 18 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 MODES OF APPLICATION

6.13.2 BUYING CRITERIA

FIGURE 36 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 2 AGRICULTURAL MICRONUTRIENT FORMS

TABLE 19 KEY BUYING CRITERIA FOR TOP 2 AGRICULTURAL MICRONUTRIENT FORMS

6.14 REGULATORY FRAMEWORK

6.14.1 NORTH AMERICA

6.14.1.1 US

6.14.2 ASIA PACIFIC

6.14.2.1 Australia

6.14.2.2 China

6.14.3 SOUTH AFRICA

6.15 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.15.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 21 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 22 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 23 SOUTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 24 MIDDLE EAST: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

7 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE

7.1 INTRODUCTION

FIGURE 37 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023 VS. 2028 (USD MILLION)

TABLE 25 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 26 AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

7.2 CEREALS & GRAINS

7.2.1 NEED FOR OBTAINING HIGH YIELDS OF STAPLE FOODS TO PREVENT MALNUTRITION TO DRIVE MARKET

7.2.1.1 Corn

7.2.1.2 Wheat

7.2.1.3 Rice

7.2.1.4 Other cereals & grains

TABLE 27 CEREALS & GRAINS: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 28 CEREALS & GRAINS: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 29 CEREALS & GRAINS: AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 30 CEREALS & GRAINS: AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

7.3 FRUITS & VEGETABLES

7.3.1 INCREASE IN AWARENESS REGARDING NUTRITIONAL VALUE TO DRIVE

DEMAND FOR FRUITS & VEGETABLES

TABLE 31 FRUITS & VEGETABLES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 32 FRUITS & VEGETABLES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

7.4 OILSEEDS & PULSES

7.4.1 NEED FOR HIGH SOURCES OF PROTEIN TO BOOST GROWTH

7.4.1.1 Soybean

7.4.1.2 Canola

7.4.1.3 Other oilseeds & pulses

TABLE 33 OILSEEDS & PULSES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 34 OILSEEDS & PULSES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 35 OILSEEDS & PULSES: AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 36 OILSEEDS & PULSES: AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

7.5 OTHER CROP TYPES

TABLE 37 OTHER CROP TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 38 OTHER CROP TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8 AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM

8.1 INTRODUCTION

FIGURE 38 NON-CHELATED SEGMENT PROJECTED TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 39 AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 40 AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

8.2 CHELATED MICRONUTRIENTS

8.2.1 INCREASED BIOAVAILABILITY OF MICRONUTRIENTS TO CONTRIBUTE TO MARKET PRODUCTIVITY AND PROFITABILITY

TABLE 41 CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 42 CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION,

2023–2028 (USD MILLION)

TABLE 43 CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 44 CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

8.2.1.1 Ethylene Diamine-tetra-acetic acid (EDTA)

TABLE 45 EDTA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 46 EDTA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.2 Ethylenediamine Di-2-Hydroxyphenyl Acetate (EDDHA)

TABLE 47 EDDHA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 48 EDDHA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.3 Diethylene-triamine penta-acetic acid (DTPA)

TABLE 49 DTPA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 50 DTPA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.4 Iminodisuccinic Acid (IDHA)

TABLE 51 IDHA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 52 IDHA-BASED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.5 Other Chelated Micronutrients

TABLE 53 OTHER CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 54 OTHER CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 NON-CHELATED MICRONUTRIENTS

8.3.1 CHEAPER RATES OF NON-CHELATED MICRONUTRIENTS TO DRIVE GROWTH

TABLE 55 NON-CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 56 NON-CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

9 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION

Agricultural Micronutrients Market by Type (Zinc, Boron, Iron, Manganese, Molybdenum, Copper), Mode of Applica...

9.1 INTRODUCTION

FIGURE 39 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023 VS. 2028 (USD MILLION)

TABLE 57 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 58 AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

9.2 SOIL

9.2.1 REDUCED COST AND UNIFORM DISTRIBUTION OF MICRONUTRIENTS TO PROMOTE SOIL APPLICATION

TABLE 59 SOIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 60 SOIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 FOLIAR

9.3.1 LOW COST OF APPLICATION AND IMMEDIATE RESPONSE TO APPLIED NUTRIENTS TO DRIVE DEMAND FOR FOLIAR APPLICATION

TABLE 61 FOLIAR: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 62 FOLIAR: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 FERTIGATION

9.4.1 IMPROVED NUTRIENT USE EFFICIENCY TO PROPEL FERTIGATION APPLICATION

TABLE 63 FERTIGATION: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 64 FERTIGATION: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5 OTHER MODES OF APPLICATION

TABLE 65 OTHER MODES OF APPLICATION: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 66 OTHER MODES OF APPLICATION: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

10 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE

10.1 INTRODUCTION

FIGURE 40 MOLYBDENUM TO DOMINATE AGRICULTURAL MICRONUTRIENTS

MARKET DURING FORECAST PERIOD

TABLE 67 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022
(USD MILLION)

TABLE 68 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028
(USD MILLION)

TABLE 69 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 70 AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

10.2 ZINC

10.2.1 FOCUS ON SUSTAINING GLOBAL FOOD SECURITY AND AGRICULTURAL SUSTAINABILITY TO DRIVE DEMAND

TABLE 71 ZINC: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 72 ZINC: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 73 ZINC: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 74 ZINC: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.3 BORON

10.3.1 NEED FOR IMPROVING SEED SET OF PLANTS OR CROPS TO BOLSTER GROWTH

FIGURE 41 GLOBAL BORON PRODUCTION RATES, 2020

TABLE 75 BORON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 76 BORON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 77 BORON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 78 BORON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.4 IRON

10.4.1 DEMAND FOR TARGETED APPLICATIONS TO RECTIFY DEFICIENCIES AND OPTIMIZE PLANT PERFORMANCE TO FUEL GROWTH

TABLE 79 IRON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 80 IRON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 81 IRON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 82 IRON: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.5 MOLYBDENUM

10.5.1 LIMING SOIL TO HELP DEAL WITH MOLYBDENUM DEFICIENCY

TABLE 83 MOLYBDENUM: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 84 MOLYBDENUM: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 85 MOLYBDENUM: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 86 MOLYBDENUM: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.6 COPPER

10.6.1 EMPHASIS ON PROVIDING CELL WALL STRENGTH AND PREVENTION OF WILTING TO BOLSTER GROWTH

TABLE 87 COPPER: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 88 COPPER: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 89 COPPER: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 90 COPPER: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.7 MANGANESE

10.7.1 USE OF MANGANESE FOR POLLEN GERMINATION AND PROVIDING RESISTANCE TO ROOT PATHOGENS TO DRIVE DEMAND

TABLE 91 MANGANESE: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 92 MANGANESE: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 93 MANGANESE: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 94 MANGANESE: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

10.8 OTHER TYPES

TABLE 95 OTHER TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 96 OTHER TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 97 OTHER TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 98 OTHER TYPES: AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

11 AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 42 REGIONAL SNAPSHOT: NEW HOTSPOTS TO EMERGE IN ASIA PACIFIC, 2023–2028

TABLE 99 AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 100 AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 101 AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2018–2022 (KT)

TABLE 102 AGRICULTURAL MICRONUTRIENTS MARKET, BY REGION, 2023–2028 (KT)

11.2 NORTH AMERICA

FIGURE 43 NORTH AMERICA: MARKET SNAPSHOT

11.2.1 NORTH AMERICA: RECESSION IMPACT ANALYSIS

FIGURE 44 INFLATION: COUNTRY-LEVEL DATA, 2017–2022

FIGURE 45 NORTH AMERICA: RECESSION IMPACT ANALYSIS, 2022

TABLE 103 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 104 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 105 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (KT)

TABLE 106 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (KT)

TABLE 107 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 108 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 109 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 110 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 111 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 112 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 113 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 114 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

TABLE 115 NORTH AMERICA: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 116 NORTH AMERICA: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

TABLE 117 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 118 NORTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

11.2.2 US

11.2.2.1 Adoption of stricter environmental regulations to correct deficiencies in US soil to boost growth

TABLE 119 US: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 120 US: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 121 US: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 122 US: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.2.3 CANADA

11.2.3.1 Supply of crop-specific nutrients near root tip for easy plant absorption to encourage market expansion

TABLE 123 CANADA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 124 CANADA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 125 CANADA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 126 CANADA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.2.4 MEXICO

11.2.4.1 Strong government initiatives to improve crop productivity and follow organic farming to drive demand

TABLE 127 MEXICO: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 128 MEXICO: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 129 MEXICO: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 130 MEXICO: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3 EUROPE

11.3.1 EUROPE: RECESSION IMPACT ANALYSIS

FIGURE 46 EUROPE: INFLATION RATES, BY KEY COUNTRY, 2017–2022

FIGURE 47 EUROPE: RECESSION IMPACT ANALYSIS, 2022

TABLE 131 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 132 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 133 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (KT)

TABLE 134 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (KT)

TABLE 135 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 136 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 137 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 138 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 139 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 140 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 141 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 142 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

TABLE 143 EUROPE: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET,

BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 144 EUROPE: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

TABLE 145 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 146 EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

11.3.2 FRANCE

11.3.2.1 Increasing application of zinc supplements for high-yield crops to boost growth

TABLE 147 FRANCE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 148 FRANCE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 149 FRANCE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 150 FRANCE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.3 GERMANY

11.3.3.1 Robust government initiatives to treat boron deficiencies to fuel growth

TABLE 151 GERMANY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 152 GERMANY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 153 GERMANY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 154 GERMANY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.4 POLAND

11.3.4.1 Focus on increasing crop yield by depleting unfertile and acidic soils to drive growth

TABLE 155 POLAND: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 156 POLAND: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 157 POLAND: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 158 POLAND: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.5 SPAIN

11.3.5.1 Shift toward organic farming and high export rate of organic food products to drive demand

TABLE 159 SPAIN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 160 SPAIN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 161 SPAIN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 162 SPAIN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.6 UK

11.3.6.1 Adoption of agronomic bio-fortification process to bolster growth

TABLE 163 UK: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 164 UK: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 165 UK: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 166 UK: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.7 ITALY

11.3.7.1 High dependence on inputs required for favorable climate and agronomic conditions to encourage market expansion

TABLE 167 ITALY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 168 ITALY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 169 ITALY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 170 ITALY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.3.8 REST OF EUROPE

TABLE 171 REST OF EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 172 REST OF EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 173 REST OF EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 174 REST OF EUROPE: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4 ASIA PACIFIC

FIGURE 48 ASIA PACIFIC: MARKET SNAPSHOT

11.4.1 ASIA PACIFIC: RECESSION IMPACT ANALYSIS

FIGURE 49 ASIA PACIFIC: INFLATION RATES, BY KEY COUNTRY, 2017–2022

FIGURE 50 ASIA PACIFIC: RECESSION IMPACT ANALYSIS, 2022 VS. 2023

TABLE 175 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 176 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 177 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (KT)

TABLE 178 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (KT)

TABLE 179 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 180 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 181 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 182 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 183 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 184 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 185 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 186 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

TABLE 187 ASIA PACIFIC: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 188 ASIA PACIFIC: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

TABLE 189 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 190 ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

11.4.2 CHINA

11.4.2.1 Growing demand for cereal grains in China to propel market

TABLE 191 CHINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 192 CHINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 193 CHINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 194 CHINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4.3 INDIA

11.4.3.1 Increasing government subsidies and growing FDI in India to foster growth

TABLE 195 INDIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 196 INDIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 197 INDIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 198 INDIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4.4 AUSTRALIA

11.4.4.1 Rising investments in greenhouse and hydroponic systems for better crop production to fuel growth

TABLE 199 AUSTRALIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 200 AUSTRALIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 201 AUSTRALIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 202 AUSTRALIA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4.5 JAPAN

11.4.5.1 Increase in cultivation and breeding of efficient micronutrient genotypes to drive demand

TABLE 203 JAPAN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 204 JAPAN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 205 JAPAN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE,

2018–2022 (KT)

TABLE 206 JAPAN: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4.6 VIETNAM

11.4.6.1 Improvement in economic conditions to drive growth of agricultural micronutrients market

TABLE 207 VIETNAM: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 208 VIETNAM: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 209 VIETNAM: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 210 VIETNAM: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.4.7 REST OF ASIA PACIFIC

TABLE 211 REST OF ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 212 REST OF ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 213 REST OF ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 214 REST OF ASIA PACIFIC: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

205 "11.5 SOUTH AMERICA 11.5.1 SOUTH AMERICA:

RECESSION IMPACT ANALYSIS

FIGURE 51 SOUTH AMERICA: INFLATION RATES, BY KEY COUNTRY, 2017–2022

FIGURE 52 SOUTH AMERICA: RECESSION IMPACT ANALYSIS, 2022

TABLE 215 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 216 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 217 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (KT)

TABLE 218 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (KT)

TABLE 219 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 220 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 221 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY

TYPE, 2018–2022 (KT)

TABLE 222 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 223 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 224 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 225 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 226 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

TABLE 227 SOUTH AMERICA: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2018–2022 (USD MILLION)

TABLE 228 SOUTH AMERICA: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

TABLE 229 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 230 SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

11.5.2 BRAZIL

11.5.2.1 High demand for export of agricultural products to drive market

TABLE 231 BRAZIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 232 BRAZIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 233 BRAZIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 234 BRAZIL: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.5.3 ARGENTINA

11.5.3.1 Wide availability of arable land along with rapidly growing technology to propel growth

TABLE 235 ARGENTINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 236 ARGENTINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 237 ARGENTINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 238 ARGENTINA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE,

2023–2028 (KT)

11.5.4 REST OF SOUTH AMERICA

TABLE 239 REST OF SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 240 REST OF SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 241 REST OF SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 242 REST OF SOUTH AMERICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.6 REST OF THE WORLD

11.6.1 ROW: RECESSION IMPACT ANALYSIS

FIGURE 53 ROW: INFLATION RATES, BY KEY COUNTRY, 2018–2022

FIGURE 54 ROW: RECESSION IMPACT ANALYSIS, 2022

TABLE 243 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 244 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 245 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2018–2022 (KT)

TABLE 246 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY COUNTRY, 2023–2028 (KT)

TABLE 247 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 248 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 249 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 250 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 251 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 252 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 253 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 254 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY FORM, 2023–2028 (USD MILLION)

TABLE 255 ROW: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY

SUBTYPE, 2018–2022 (USD MILLION)

TABLE 256 ROW: CHELATED AGRICULTURAL MICRONUTRIENTS MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

TABLE 257 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 258 ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

11.6.2 SOUTH AFRICA

11.6.2.1 Growing need to increase agricultural output and raise self-sufficiency in food to drive market

TABLE 259 SOUTH AFRICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 260 SOUTH AFRICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 261 SOUTH AFRICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 262 SOUTH AFRICA: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.6.3 TURKEY

11.6.3.1 Adoption of nutrient-based fertilizers to deal with iron and zinc deficiencies to boost growth

TABLE 263 TURKEY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 264 TURKEY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 265 TURKEY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 266 TURKEY: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

11.6.4 OTHERS IN ROW

TABLE 267 OTHERS IN ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 268 OTHERS IN ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 269 OTHERS IN ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 270 OTHERS IN ROW: AGRICULTURAL MICRONUTRIENTS MARKET, BY TYPE, 2023–2028 (KT)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET SHARE ANALYSIS, 2022

TABLE 271 DEGREE OF COMPETITION, 2022

12.3 STRATEGIES ADOPTED BY KEY PLAYERS

12.4 SNAPSHOT OF KEY MARKET PARTICIPANTS

FIGURE 55 SNAPSHOT OF KEY MARKET PARTICIPANTS, 2022

12.5 SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 56 SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS IN MARKET, 2020–2022 (USD BILLION)

12.6 ANNUAL REVENUE VS. REVENUE GROWTH

FIGURE 57 ANNUAL REVENUE, 2022 (USD BILLION) VS. REVENUE GROWTH, 2020–2022

12.7 EBITDA OF KEY PLAYERS

FIGURE 58 EBITDA, 2022 (USD BILLION)

12.8 COMPANY EVALUATION MATRIX

12.8.1 STARS

12.8.2 EMERGING LEADERS

12.8.3 PERVASIVE PLAYERS

12.8.4 PARTICIPANTS

FIGURE 59 COMPANY EVALUATION MATRIX, 2022

12.9 COMPANY FOOTPRINT

TABLE 272 COMPANY FOOTPRINT, BY FORM

TABLE 273 COMPANY FOOTPRINT, BY TYPE

TABLE 274 COMPANY FOOTPRINT, BY REGION

TABLE 275 OVERALL COMPANY FOOTPRINT

12.10 STARTUP/SME EVALUATION MATRIX

12.10.1 PROGRESSIVE COMPANIES

12.10.2 STARTING BLOCKS

12.10.3 RESPONSIVE COMPANIES

12.10.4 DYNAMIC COMPANIES

FIGURE 60 STARTUP/SME EVALUATION MATRIX, 2022

12.10.5 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

TABLE 276 DETAILED LIST OF KEY STARTUPS/SMES

TABLE 277 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

12.11 COMPETITIVE SCENARIO

12.11.1 PRODUCT LAUNCHES

TABLE 278 PRODUCT LAUNCHES, 2018–2019

12.11.2 DEALS

TABLE 279 DEALS, 2018–2022

12.11.3 OTHERS

TABLE 280 OTHERS, 2018–2023

13 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, MnM view, Key strengths, Strategic choices made, Weaknesses and competitive threats)*

13.1 KEY COMPANIES

13.1.1 BASF SE

TABLE 281 BASF SE: BUSINESS OVERVIEW

FIGURE 61 BASF SE: COMPANY SNAPSHOT

TABLE 282 BASF SE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 283 BASF SE: DEALS

TABLE 284 BASF SE: OTHERS

13.1.2 NOURYON

TABLE 285 NOURYON: BUSINESS OVERVIEW

TABLE 286 NOURYON: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 287 NOURYON: OTHERS

13.1.3 NUFARM

TABLE 288 NUFARM: BUSINESS OVERVIEW

FIGURE 62 NUFARM: COMPANY SNAPSHOT

TABLE 289 NUFARM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 290 NUFARM: DEALS

TABLE 291 NUFARM: OTHERS

13.1.4 YARA INTERNATIONAL ASA

FIGURE 63 YARA INTERNATIONAL ASA: COMPANY SNAPSHOT

TABLE 292 YARA INTERNATIONAL ASA: BUSINESS OVERVIEW

TABLE 293 YARA INTERNATIONAL ASA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 294 YARA INTERNATIONAL ASA: PRODUCT LAUNCHES

TABLE 295 YARA INTERNATIONAL ASA: DEALS

TABLE 296 YARA INTERNATIONAL ASA: OTHERS

13.1.5 COROMANDEL INTERNATIONAL LIMITED

TABLE 297 COROMANDEL INTERNATIONAL LIMITED: BUSINESS OVERVIEW

FIGURE 64 COROMANDEL INTERNATIONAL LIMITED: COMPANY SNAPSHOT

TABLE 298 COROMANDEL INTERNATIONAL LIMITED: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 299 COROMANDEL INTERNATIONAL LIMITED: DEALS

TABLE 300 COROMANDEL INTERNATIONAL LIMITED: OTHERS

13.1.6 LAND O' LAKES, INC

TABLE 301 LAND O' LAKES, INC: BUSINESS OVERVIEW

TABLE 302 LAND O' LAKES, INC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 303 LAND O' LAKES, INC: DEALS

13.1.7 HELENA AGRI-ENTERPRISES, LLC

TABLE 304 HELENA AGRI-ENTERPRISES, LLC: BUSINESS OVERVIEW

TABLE 305 HELENA AGRI-ENTERPRISES, LLC: PRODUCTS/SOLUTIONS/
SERVICES OFFERED

13.1.8 THE MOSAIC COMPANY

TABLE 306 THE MOSAIC COMPANY: BUSINESS OVERVIEW

FIGURE 65 THE MOSAIC COMPANY: COMPANY SNAPSHOT

TABLE 307 THE MOSAIC COMPANY: PRODUCTS/SOLUTIONS/SERVICES
OFFERED

TABLE 308 THE MOSAIC COMPANY: PRODUCT LAUNCHES

TABLE 309 THE MOSAIC COMPANY: DEALS

13.1.9 HAIFA NEGEV TECHNOLOGIES LTD.

TABLE 310 HAIFA NEGEV TECHNOLOGIES LTD.: BUSINESS OVERVIEW

TABLE 311 HAIFA NEGEV TECHNOLOGIES LTD.: PRODUCTS/SOLUTIONS/
SERVICES OFFERED

TABLE 312 HAIFA NEGEV TECHNOLOGIES LTD.: PRODUCT LAUNCHES

TABLE 313 HAIFA NEGEV TECHNOLOGIES LTD.: DEALS

TABLE 314 HAIFA NEGEV TECHNOLOGIES LTD.: OTHERS

13.1.10 MANVERT

TABLE 315 MANVERT: BUSINESS OVERVIEW

TABLE 316 MANVERT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.1.11 SYNGENTA

TABLE 317 SYNGENTA: BUSINESS OVERVIEW

FIGURE 66 SYNGENTA: COMPANY SNAPSHOT

TABLE 318 SYNGENTA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 319 SYNGENTA: DEALS

13.1.12 ZUARI AGROCHEMICAL LTD

TABLE 320 ZUARI AGROCHEMICAL LTD: BUSINESS OVERVIEW

FIGURE 67 ZUARI AGROCHEMICAL LTD: COMPANY SNAPSHOT

TABLE 321 ZUARI AGROCHEMICAL LTD: PRODUCTS/SOLUTIONS/SERVICES
OFFERED

13.1.13 STOLLER ENTERPRISES, INC.

TABLE 322 STOLLER ENTERPRISES, INC.: BUSINESS OVERVIEW

TABLE 323 STOLLER ENTERPRISES, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED**13.1.14 BALCHEM CORPORATION****TABLE 324 BALCHEM CORP.: BUSINESS OVERVIEW****FIGURE 68 BALCHEM CORP.: COMPANY SNAPSHOT****TABLE 325 BALCHEM CORP.: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.1.15 ATP NUTRITION****TABLE 326 ATP NUTRITION: BUSINESS OVERVIEW****TABLE 327 ATP NUTRITION: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.2 OTHER PLAYERS****13.2.1 WILBUR-ELLIS HOLDINGS, INC.****TABLE 328 WILBUR-ELLIS HOLDINGS, INC.: BUSINESS OVERVIEW****TABLE 329 WILBUR-ELLIS HOLDINGS, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 330 WILBUR-ELLIS HOLDINGS, INC.: DEALS****TABLE 331 WILBUR-ELLIS HOLDINGS, INC.: OTHERS****13.2.2 BMS MICRO-NUTRIENTS NV****TABLE 332 BMS MICRO-NUTRIENTS NV: BUSINESS OVERVIEW****TABLE 333 BMS MICRO-NUTRIENTS NV: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.2.3 KOCH AGRONOMIC SERVICES, LLC****TABLE 334 KOCH AGRONOMIC SERVICES, LLC: BUSINESS OVERVIEW****TABLE 335 KOCH AGRONOMIC SERVICES, LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.2.4 AGROLIQUID****TABLE 336 AGROLIQUID: BUSINESS OVERVIEW****TABLE 337 AGROLIQUID: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.2.5 ARIES AGRO LIMITED****TABLE 338 ARIES AGRO LIMITED: BUSINESS OVERVIEW****FIGURE 69 ARIES AGRO LIMITED: COMPANY SNAPSHOT****TABLE 339 ARIES AGRO LIMITED: PRODUCTS/SOLUTIONS/SERVICES OFFERED****13.2.6 GREEN RISE AGRO INDUSTRIES****TABLE 340 GREEN RISE AGRO INDUSTRIES: COMPANY OVERVIEW****13.2.7 BLUE-DIP ORGANIC INDUSTRIES****TABLE 341 BLUE-DIP ORGANIC INDUSTRIES: COMPANY OVERVIEW****13.2.8 NAPNUTRISCIENCE****TABLE 342 NAPNUTRISCIENCE: COMPANY OVERVIEW****13.2.9 GITAJI PESTICIDES INDUSTRIES****TABLE 343 GITAJI PESTICIDES INDUSTRIES: COMPANY OVERVIEW**

13.2.10 NUTRIMAX AGRO

TABLE 344 NUTRIMAX AGRO: COMPANY OVERVIEW

*Details on Business overview, Products offered, Recent Developments, MnM view, Key strengths, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

14 ADJACENT & RELATED MARKETS

14.1 INTRODUCTION

TABLE 345 ADJACENT MARKETS FOR AGRICULTURAL MICRONUTRIENTS

14.2 LIMITATIONS

14.3 AGRICULTURAL CHELATES MARKET

14.3.1 MARKET DEFINITION

14.3.2 MARKET OVERVIEW

14.4 AGRICULTURAL CHELATES MARKET, BY TYPE

14.4.1 INTRODUCTION

TABLE 346 AGRICULTURAL CHELATES MARKET, BY TYPE, 2017–2025 (USD MILLION)

14.5 AGRICULTURAL CHELATES MARKET, BY REGION

14.5.1 INTRODUCTION

TABLE 347 AGRICULTURAL CHELATES MARKET, BY REGION, 2017–2025 (USD MILLION)

15 APPENDIX

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

15.3 CUSTOMIZATION OPTIONS

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

I would like to order

Product name: Agricultural Micronutrients Market by Type (Zinc, Boron, Iron, Manganese, Molybdenum, Copper), Mode of Application (Soil, Foliar and Fertigation), Form (Chelated and Non-Chelated Micronutrients), Crop Type and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/A4866CCC7B8EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A4866CCC7B8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970