

Fertilizer Mixture Market Research Report by Type (Chemical Fertilizers, Organic and Bio Fertilizers), by Crop Type (Cereals & Grains, Fruits & Vegetables, Oilseeds & Pulses, Turf & Ornamentals), by Application Method (Soil Application, Foliar Application, Fertigation), by Distribution Channel (Direct, Indirect), by End-User (Farmers, Commercial Growers, Home Gardeners), by Form (Granular, Powder, Liquid), and by Region (North America, Europe, Asia Pacific, Middle East & Africa, South America) Forecast till 2032

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Market Overview

The global fertilizer mixture market is projected to reach USD 117.43 billion by 2032, expanding at a CAGR of 4.99% from 2024 to 2032. A fertilizer mixture is a blend of two or more straight fertilizers that supplies essential plant nutrients in balanced proportions. It is prepared to meet specific crop requirements and soil conditions, ensuring better growth and yield.

The rising global population, which is expected to reach 9.7 billion by 2050, is a major factor behind the unprecedented demand for food, which has become the reason for the need for fertilizer mixtures that are vital in ensuring continuous productivity in

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agriculture. As diets turn to protein-rich foods, farmers will need to produce more grains, fruits, and vegetables, which will in turn require efficient nutrient blends such as NPK. Fertilizer mixtures ensure balanced soil fertility, higher yields, and better crop quality, while supportive government policies and innovations from companies such as Bayer CropScience further accelerate their adoption worldwide.

Key Company Development

Mosaic Company has consolidated its position in the market through several strategically planned acquisitions. In February 2022, it took over Plant Response, a leader in biological-based solutions, waste fertilizers, and crop input technologies, which can contribute to the company's sustainable agriculture portfolio. In May 2018, Mosaic grew in Brazil with the purchase of Vale Fertilizantes from Vale S.A., as its result, the company gained access to five phosphate rock mines, four fertilizer production facilities, as well as a potash plant. The acquisitions are a testament to the commitment made by Mosaic towards the creative, secure, and global expansion of fertilizers and crop nutrition industries through resources.

Major Players

Key players in the global fertilizer mixture market are Sumitomo Chemical Co., Ltd., Mosaic Company, Compass Minerals, EuroChem Group, Uralchem, Nutrien, Yara International, Koch, Inc., ICL Group, and BASF SE.

Report Attribute Details

Market Size 2023 USD 76.18 Billion

Market Size 2032 USD 117.43 Billion

CAGR (2024-2032) 4.99%

Base Year 2023

Market Forecast Period 2024-2032

Market Segmentations

By Type: Chemical Fertilizers - 5.35%, Organic and Bio Fertilizers - 4.08%.

By Crop Type: Cereals & Grains - 5.23%, Fruits & Vegetables - 5.24%.

By Application Method: Soil Application - 5.28%, Foliar Application - 4.55%.

By Distribution Channel: Direct - 5.24%, Indirect - 4.79%.

By End-User: Farmers - 5.32%, Commercial Growers - 4.81%.

By Form: Granular - 5.59%, Powder - 3.86%.

Regional Insights

The mixture of fertilizers in the North American market is strongly supported by large-scale commercial farming and well-established agricultural infrastructure. The United States leads the region, with the support of companies such as Nutrien Ag Solutions, which runs extensive production and distribution facilities. The North American fertilizer mixture market is led by the U.S. at USD 14,447.50 million, with Canada contributing USD 3,365.98 million.

The fertilizer mixture market in Europe retains a significant portion of the market, with the primary consumption being across cereals, fruits, and oilseeds. The countries of the EU, such as France, Germany, and Poland, are huge consumers of NPK blends for the cultivation of cereals, with almost 134 million hectares of fertilized farmland. Germany dominates Europe at USD 3,833.09 million, followed by the UK and France with strong market values of USD 2,261.70 million and USD 1,989.96 million.

The Asia Pacific region leads the fertilizer mixture market with the largest share of the global market, mainly due to the region's vigorous farming practices in China, India, and Indonesia. The use of fertilizer mixtures has become indispensable for the production of rice, wheat, and oilseeds, and the use of both inorganic and organic blends has been successful. Asia Pacific is driven by China at USD 12,968.84 million, with Japan and India adding USD 6,482.33 million and USD 3,502.44 million, showcasing significant regional growth.

South America's fertilizer mixture market is anchored by high agricultural output in Brazil and Argentina. Soybeans, corn, and sugar production drive the need for customized NPK blends, while government and institutional initiatives promote sustainable

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fertilizer use.

The Middle East and Africa region presents a mix of opportunities and challenges, with low fertilizer penetration in Africa contrasted by high production capacity in the Middle East. Programs like Sustain Africa are improving fertilizer access for millions of smallholder farmers. Countries such as Saudi Arabia and Qatar dominate nitrogen-based fertilizer production, while Morocco leads in phosphate exports. Rising government support and regional trade expansions continue to boost the fertilizer mixture market.?

Table of Contents:

TABLE OF CONTENTS

1	EXECUTIVE SUMMARY	23
1.1	GLOBAL FERTILIZER MIXTURE MARKET, BY TYPE	25
1.2	GLOBAL FERTILIZER MIXTURE MARKET, BY CROP TYPE	26
1.3	GLOBAL FERTILIZER MIXTURE MARKET, BY APPLICATION METHOD	27
1.4	GLOBAL FERTILIZER MIXTURE MARKET, BY END-USER	28
1.5	GLOBAL FERTILIZER MIXTURE MARKET, BY FORM	29
1.6	GLOBAL FERTILIZER MIXTURE MARKET, BY DISTRIBUTION CHANNEL	30
1.7	GLOBAL FERTILIZER MIXTURE MARKET, BY REGION	31
2	MARKET INTRODUCTION	33
2.1	DEFINITION	33
2.2	SCOPE OF THE STUDY	33
2.3	RESEARCH OBJECTIVE	33
2.4	MARKET STRUCTURE	34
3	RESEARCH METHODOLOGY	35
3.1	OVERVIEW	35
3.2	DATA FLOW	37
3.2.1	DATA MINING PROCESS	37
3.3	PURCHASED DATABASE:	38
3.4	SECONDARY SOURCES:	39
3.4.1	SECONDARY RESEARCH DATA FLOW:	40
3.5	PRIMARY RESEARCH:	41
3.5.1	PRIMARY RESEARCH DATA FLOW:	42
3.5.2	PRIMARY RESEARCH: NUMBER OF INTERVIEWS CONDUCTED	43
3.5.3	PRIMARY RESEARCH: REGIONAL COVERAGE	43
3.6	APPROACHES FOR MARKET SIZE ESTIMATION:	44
3.6.1	REVENUE ANALYSIS APPROACH	44
3.7	DATA FORECASTING	45
3.7.1	DATA FORECASTING TECHNIQUE	45
3.8	DATA MODELING	46
3.8.1	MICROECONOMIC FACTOR ANALYSIS:	46
3.8.2	DATA MODELING:	46
3.9	TEAMS AND ANALYST CONTRIBUTION	48
4	MARKET DYNAMICS	50
4.1	INTRODUCTION	50
4.2	MARKET TRENDS AND GROWTH AFFECTING FACTORS	50
4.3	GROWTH PARAMETERS MAPPED - DRIVERS	52
4.3.1	INCREASING GLOBAL POPULATION AND RISING DEMAND FOR FOOD	52
4.3.2	GOVERNMENT INITIATIVES AND SUBSIDIES TO PROMOTE SUSTAINABLE AGRICULTURE PRACTICES	52

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4.3.3	TECHNOLOGICAL ADVANCEMENTS IN FERTILIZER FORMULATIONS	53
4.3.4	AWARENESS OF THE ENVIRONMENTAL IMPACT OF FERTILIZER USE AND DEMAND FOR ECO-FRIENDLY ALTERNATIVES	53
4.4	GROWTH INHIBITORS MAPPED - RESTRAINTS	54
4.4.1	STRINGENT REGULATORY FRAMEWORKS	54
4.5	MARKET OPPORTUNITIES MAPPED	56
4.5.1	EMERGING MARKETS AND DEVELOPING ECONOMIES PRESENT SUBSTANTIAL GROWTH POTENTIAL	56
4.5.2	DIVERSIFIED APPLICATION METHODS ENHANCE MARKET REACH	57
4.5.3	STRATEGIC PARTNERSHIPS AND COLLABORATIONS TO ENHANCE SUPPLY CHAIN EFFICIENCY	57
4.6	IMPACT ANALYSIS OF COVID-19	58
4.6.1	IMPACT ON OVERALL AGRICULTURE	58
4.6.2	IMPACT ON GLOBAL FERTILIZER MIXTURE MARKET	58
4.6.3	IMPACT ON THE SUPPLY CHAIN OF THE FERTILIZER MIXTURE MARKET	59
4.6.4	IMPACT ON MARKET DEMAND OF FERTILIZER MIXTURE MARKET	59
4.6.5	IMPACT ON PRICING OF FERTILIZER MIXTURE MARKET	60
5	MARKET FACTOR ANALYSIS	61
5.1	VALUE CHAIN ANALYSIS	61
5.1.1	RAW MATERIAL SUPPLY	61
5.1.2	MANUFACTURING PROCESS	62
5.1.3	DISTRIBUTION	62
5.1.4	RETAILERS	63
5.2	SUPPLY CHAIN ANALYSIS	64
5.2.1	PARTICIPANTS (AT DIFFERENT NODES)	64
5.2.1.1	RAW MATERIAL SUPPLIERS	64
5.2.1.2	MANUFACTURERS	65
5.2.1.3	DISTRIBUTION CHANNELS	65
5.2.1.4	END USERS	65
5.3	PORTER'S FIVE FORCES MODEL	67
5.3.1	BARGAINING POWER OF SUPPLIERS	67
5.3.2	BARGAINING POWER OF BUYERS	68
5.3.3	THREAT OF NEW ENTRANTS	68
5.3.4	THREAT OF SUBSTITUTES	69
5.3.5	INTENSITY OF RIVALRY	69
5.4	REGULATORY UPDATE	70
5.5	CONSUMER BEHAVIOR ANALYSIS	70
6	GLOBAL FERTILIZER MIXTURE MARKET, BY TYPE	73
6.1	INTRODUCTION	73
6.2	CHEMICAL FERTILIZERS	74
6.3	ORGANIC AND BIO-FERTILIZERS	75
7	GLOBAL FERTILIZER MIXTURE MARKET, BY CROP TYPE	77
7.1	INTRODUCTION	77
7.2	CEREALS & GRAINS	78
7.3	FRUITS & VEGETABLES	79
7.4	OILSEEDS & PULSES	80
7.5	TURF & ORNAMENTALS	81
8	GLOBAL FERTILIZER MIXTURE MARKET, BY APPLICATION METHOD	83
8.1	INTRODUCTION	83
8.2	SOIL APPLICATION	84

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8.3	FOLIAR APPLICATION	85
8.4	FERTIGATION	86
9	GLOBAL FERTILIZER MIXTURE MARKET, BY END USER	88
9.1	INTRODUCTION	88
9.2	FARMERS	89
9.3	COMMERCIAL GROWERS	90
9.4	HOME GARDENERS	91
10	GLOBAL FERTILIZER MIXTURE MARKET, BY FORM	93
10.1	INTRODUCTION	93
10.2	GRANULAR	94
10.3	POWDER	94
10.4	LIQUID	95
11	FOR FARMERS, THE MAJOR GLOBAL FERTILIZER MIXTURE MARKET, BY DISTRIBUTION CHANNEL	96
11.1	INTRODUCTION	96
11.2	DIRECT	97
11.3	INDIRECT	98
12	GLOBAL FERTILIZER MIXTURE, BY REGION	100
12.1	OVERVIEW	100
12.2	NORTH AMERICA	101
12.2.1	US	105
12.2.2	CANADA	107
12.2.3	MEXICO	109
12.3	EUROPE	111
12.3.1	GERMANY	115
12.3.2	UK	117
12.3.3	FRANCE	119
12.3.4	RUSSIA	121
12.3.5	ITALY	123
12.3.6	SPAIN	124
12.3.7	REST OF EUROPE	126
12.4	ASIA PACIFIC	128
12.4.1	CHINA	132
12.4.2	INDIA	134
12.4.3	JAPAN	136
12.4.4	SOUTH KOREA	138
12.4.5	MALAYSIA	140
12.4.6	THAILAND	142
12.4.7	INDONESIA	144
12.4.8	REST OF APAC	146
12.5	SOUTH AMERICA	148
12.5.1	BRAZIL	152
12.5.2	ARGENTINA	154
12.5.3	REST OF SOUTH AMERICA	156
12.6	MIDDLE EAST & AFRICA	159
12.6.1	GCC COUNTRIES	162
12.6.2	SOUTH AFRICA	164
12.6.3	REST OF MEA	166

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13	COMPETITIVE LANDSCAPE	169
13.1	INTRODUCTION	169
13.2	COMPETITION DASHBOARD	169
13.2.1	PRODUCT PORTFOLIO	170
13.2.2	REGIONAL PRESENCE	171
13.2.3	STRATEGIC ALLIANCES	171
13.2.4	INDUSTRY EXPERIENCES	171
13.3	MARKET SHARE ANALYSIS, 2023	172
13.4	WHO ARE THE MAJOR DISRUPTORS & INNOVATORS	172
13.5	WHAT STRATEGIES ARE BEING ADOPTED BY MARKET LEADERS	172
13.6	COMPARATIVE ANALYSIS: KEY PLAYERS FINANCIAL	173
13.7	LIST OF KEY PLAYERS/BRANDS, BY REGION	173
13.8	KEY DEVELOPMENTS & GROWTH STRATEGIES	173
13.8.1	EXPANSION	176
14	COMPANY PROFILES	177
14.1	SUMITOMO CHEMICAL CO., LTD.	177
14.1.1	COMPANY OVERVIEW	177
14.1.2	FINANCIAL OVERVIEW	178
14.1.3	PRODUCTS OFFERED	178
14.1.4	KEY DEVELOPMENTS	179
14.1.5	SWOT ANALYSIS	179
14.1.6	KEY STRATEGY	179
14.2	MOSAIC COMPANY	181
14.2.1	COMPANY OVERVIEW	181
14.2.2	FINANCIAL OVERVIEW	182
14.2.3	PRODUCTS OFFERED	182
14.2.4	KEY DEVELOPMENTS	183
14.2.5	SWOT ANALYSIS	184
14.2.6	KEY STRATEGY	184
14.3	COMPASS MINERALS	185
14.3.1	COMPANY OVERVIEW	185
14.3.2	FINANCIAL OVERVIEW	186
14.3.3	SERVICE OFFERED	186
14.3.4	KEY DEVELOPMENTS	187
14.3.5	SWOT ANALYSIS	187
14.3.6	KEY STRATEGY	187
14.4	EUROCHEM GROUP	189
14.4.1	COMPANY OVERVIEW	189
14.4.2	FINANCIAL OVERVIEW	190
14.4.3	PRODUCTS OFFERED	190
14.4.4	KEY DEVELOPMENTS	191
14.4.5	SWOT ANALYSIS	192
14.4.6	KEY STRATEGY	192
14.5	URALCHEM	194
14.5.1	COMPANY OVERVIEW	194
14.5.2	FINANCIAL OVERVIEW	195
14.5.3	PRODUCTS OFFERED	195

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14.5.4	KEY DEVELOPMENTS	196
14.5.5	SWOT ANALYSIS	197
14.5.6	KEY STRATEGY	197
14.6	YARA INTERNATIONAL	199
14.6.1	COMPANY OVERVIEW	199
14.6.2	FINANCIAL OVERVIEW	200
14.6.3	PRODUCTS OFFERED	200
14.6.4	KEY DEVELOPMENTS	201
14.6.5	KEY STRATEGY	201
14.7	NUTRIEN	202
14.7.1	COMPANY OVERVIEW	202
14.7.2	FINANCIAL OVERVIEW	203
14.7.3	PRODUCTS OFFERED	203
14.7.4	KEY DEVELOPMENTS	204
14.7.5	KEY STRATEGY	204
14.8	KOCH, INC	205
14.8.1	COMPANY OVERVIEW	205
14.8.2	FINANCIAL OVERVIEW	206
14.8.3	PRODUCTS OFFERED	206
14.8.4	KEY DEVELOPMENTS	206
14.8.5	KEY STRATEGY	206
14.9	ICL GROUP	208
14.9.1	COMPANY OVERVIEW	208
14.9.2	FINANCIAL OVERVIEW	208
14.9.3	KEY DEVELOPMENTS	210
14.9.4	KEY STRATEGY	210
14.10	BASF SE	212
14.10.1	COMPANY OVERVIEW	212
14.10.2	FINANCIAL OVERVIEW	213
14.10.3	PRODUCTS OFFERED	213
14.10.4	KEY DEVELOPMENTS	214
14.10.5	KEY STRATEGY	214
14.11	DATA CITATIONS	216

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