

Phytosterols Market by Composition (Beta-Sitosterol, Campesterol, Stigmasterol), Application (Food & Beverages, Pharmaceutical, Cosmetics & Personal Care Products, and Feed), Form(Dry, Liquid), Source and Region - Global Forecast to 2028

Market Report | 2023-05-11 | 216 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

According to MarketsandMarkets, the global phytosterols market is projected to reach USD 1.6 billion by 2028 from USD 1.0 billion by 2023, at a CAGR of 8.3% during the forecast period in terms of value. Phytosterols (plant sterol and stanol esters) are plant-derived compounds well-known for their health benefits. They resemble structurally with cholesterol and thus compete with it for absorption in the blood. As a result, phytosterol lower the blood LDL cholesterol (bad cholesterol) levels, which is responsible for cardiovascular diseases, promoting good health.

"By form, liquid is projected to witness an increased market share during the forecast period."

According to an article published in Forbes in September 2022, demand for Ready-To-Drink (RTD) beverages is skyrocketing, fueling the demand for phytosterols in liquid form. With the rise in demand, production, and consumption of functional food & beverage products in aqueous forms, such as juices, gels, and emulsions such as sauces, the demand for liquid phytosterols is bound to increase, thereby creating opportunities for the less commercialized segment in the research domain for innovation and solutions.

"By Application , The market for cosmetics & personal care may benefit from increased demand for natural products"

The increasing use of phytosterols in the cosmetics and personal care products segment can be attributed to the growing consumer interest in health and grooming. Changing consumer lifestyles and economic factors such as the rise in per capita income, especially in developing regions, have allowed consumers to spend more on personal grooming, thereby driving the demand for phytosterols.

Brazil will significantly contribute towards market growth of South America during the forecast period

Brazil is a developing country with an increasing middle-class population, which contributes significantly to the development of the functional food industry. All these factors are expected to boost the country's demand for plant-based food products such as

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

phytosterols-enriched margarine and spreads. Brazil also offers growth opportunities for the manufacturers of functional food products

Break-up of Primaries:

By Company Type: Tier1-30%, Tier 2-45%, Tier 3- 25%

By Designation: CXOs-25%, Managers - 50%, and Executives- 25%

By Region: Europe - 50%, Asia Pacific - 20%, North America - 20%, RoW - 10%

Leading players profiled in this report:

- ADM (US)
- BASF SE (Germany)
- Cargill, Incorporated (US)
- International Flavors & Fragrances Inc. (US)
- Ashland (US)Matrix Life Science (India)
- AOM (Argentina), Lipofoods (Spain)
- Avanti Polar Lipids (US), DRT (France)
- Wilmar International Ltd (Singapore)
- VITAE NATURALS (Spain)
- TAMA BIOCHEMICALS CO., LTD (Japan)
- BOC Sciences (US)
- Herbo Nutra (India)

The study includes an in-depth competitive analysis of these key players in the global phytosterols market with their company profiles, recent developments, and key market strategies.

Research Coverage:

The report segments the phytosterol market on the basis of Form, By Application, By Composition, By Form, By Source, By Region. In terms of insights, this report has focused on various levels of analyses-the competitive landscape, end-use analysis, and company profiles, which together comprise and discuss views on the emerging & high-growth segments of the global phytosterols market, high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges.

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 phytosterols market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to 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 (Rising demand for livestock products), restraints (Concerns regarding vitamin deficiency), opportunity (Global rise in the prevalence of chronic diseases), and challenges (High popularity of other functional ingredients) influencing the growth of the phytosterols market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the phytosterols market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the phytosterol market market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the phytosterols market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players ADM (US), BASF SE (Germany), Cargill, Incorporated (US), International Flavors & Fragrances Inc. (US), Ashland (US)Matrix Life Science

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

(India), AOM (Argentina), Lipofoods (Spain), Avanti Polar Lipids (US), DRT (France), Wilmar International Ltd (Singapore), VITAE NATURALS (Spain), TAMA BIOCHEMICALS CO., LTD (Japan), BOC Sciences (US), Herbo Nutra (India) are among others in the pytosterol market strategies. The report also helps stakeholders understand the phytosterols market and provides them information on key market drivers, restraints, challenges, and opportunities.

Table of Contents:

1 INTRODUCTION 31

1.1 STUDY OBJECTIVES 31

1.2 MARKET DEFINITION 32

1.3 STUDY SCOPE 32

FIGURE 1 MARKET SEGMENTATION 32

1.4 REGIONS COVERED 33

1.5 YEARS CONSIDERED 34

1.6 UNITS CONSIDERED 34

1.6.1 CURRENCY UNIT 34

TABLE 1 USD EXCHANGE RATES CONSIDERED, 2019-2022 35

1.6.2 VOLUME UNIT 35

1.7 STAKEHOLDERS 35

1.8 SUMMARY OF CHANGES 36

2 RESEARCH METHODOLOGY 37

2.1 RESEARCH DATA 37

FIGURE 2 PHYTOSTEROLS MARKET: RESEARCH DESIGN 37

2.1.1 SECONDARY DATA 38

2.1.1.1 Key data from secondary sources 38

2.1.2 PRIMARY DATA 39

2.1.2.1 Key data from primary sources 39

2.1.2.2 Breakdown of primaries 40

2.1.2.3 Key primary insights 41

2.2 MARKET SIZE ESTIMATION 42

2.2.1 APPROACH ONE: BOTTOM-UP (BASED ON FORM, BY REGION) 42

2.2.2 APPROACH TWO: TOP-DOWN (BASED ON GLOBAL MARKET) 43

2.3 DATA TRIANGULATION 44

FIGURE 3 DATA TRIANGULATION METHODOLOGY 44

2.4 STUDY ASSUMPTIONS 45

2.5 STUDY LIMITATIONS AND RISK ASSESSMENT 45

3 EXECUTIVE SUMMARY 46

TABLE 2 PHYTOSTEROLS MARKET SNAPSHOT, 2023 VS. 2028 46

FIGURE 4 PHYTOSTEROLS MARKET, BY COMPOSITION, 2023 VS. 2028 (USD MILLION) 47

FIGURE 5 PHYTOSTEROLS MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION) 47

FIGURE 6 PHYTOSTEROLS MARKET, BY FORM, 2023 VS. 2028 (USD MILLION) 48

FIGURE 7 PHYTOSTEROLS MARKET (VALUE), BY REGION, 2022 48

?

4 PREMIUM INSIGHTS 50

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PHYTOSTEROLS MARKET 50

FIGURE 8 RISING CONSUMER HEALTH AWARENESS AND DEMAND FOR PHYTOSTEROL TO DRIVE MARKET 50

4.2 EUROPE: PHYTOSTEROLS MARKET, BY COMPOSITION AND COUNTRY (2022) 50

FIGURE 9 BETA-SITOSTEROL SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE 50

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.3	PHYTOSTEROLS MARKET, BY COMPOSITION	51
	FIGURE 10	BETA-SITOSTEROL COMPOSITION SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD
4.4	PHYTOSTEROLS MARKET, BY APPLICATION	51
	FIGURE 11	FOOD & BEVERAGES SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD
4.5	PHYTOSTEROLS MARKET, BY FOOD SUB-APPLICATION	52
	FIGURE 12	BAKERY & CONFECTIONERY PRODUCTS TO DOMINATE MARKET DURING FORECAST PERIOD
4.6	PHYTOSTEROLS MARKET, BY FORM	52
	FIGURE 13	DRY FORM SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD
5	MARKET OVERVIEW	53
5.1	INTRODUCTION	53
5.2	MACROECONOMIC INDICATORS	54
5.2.1	INCREASE IN RETAIL SALES	54
	FIGURE 14	RETAIL AND FOOD SERVICE SALES IN US (USD BILLION)
5.2.2	GROWTH OPPORTUNITIES IN DEVELOPING COUNTRIES OF ASIA PACIFIC AND SOUTH AMERICA	54
	FIGURE 15	GDP GROWTH RATE IN ASIAN COUNTRIES, 2020-21
5.3	MARKET DYNAMICS	55
	FIGURE 16	MARKET DYNAMICS
5.3.1	DRIVERS	56
5.3.1.1	Rise in consumer health awareness post-COVID-19 pandemic for functional food & beverages	56
5.3.1.2	Rising demand for livestock products	56
5.3.1.3	Growing demand for superior personal and healthcare products	56
5.3.2	RESTRAINTS	57
5.3.2.1	Side-effects of phytosterols	57
5.3.2.2	Concerns regarding vitamin deficiency	57
5.3.3	OPPORTUNITIES	57
5.3.3.1	Global rise in prevalence of chronic diseases	57
5.3.4	CHALLENGES	58
5.3.4.1	High popularity of other functional ingredients	58
5.3.4.2	Lack of consumer awareness in developing and under-developed countries	58
	?	
6	INDUSTRY TRENDS	59
6.1	INTRODUCTION	59
6.2	VALUE CHAIN	59
6.2.1	RESEARCH AND PRODUCT DEVELOPMENT	59
6.2.2	RAW MATERIAL SOURCING	60
6.2.3	PRODUCTION AND PROCESSING	60
6.2.4	DISTRIBUTION	60
6.2.5	MARKETING & SALES	60
	FIGURE 17	VALUE CHAIN ANALYSIS OF PHYTOSTEROLS MARKET
6.3	TECHNOLOGY ANALYSIS	61
6.3.1	HYDROPHILIC PHYTOSTEROL DERIVATIVES	61
6.4	PRICING ANALYSIS: PHYTOSTEROLS MARKET	61
6.4.1	AVERAGE SELLING PRICE, BY FORM	61
	FIGURE 18	GLOBAL: AVERAGE SELLING PRICE, BY FORM (USD/TON)
	TABLE 3	PHYTOSTEROLS: AVERAGE SELLING PRICE, BY FORM, 2020-2022 (USD/TON)
	TABLE 4	DRY PHYTOSTEROLS: AVERAGE SELLING PRICE, BY REGION, 2020-2022 (USD/TON)
	TABLE 5	LIQUID PHYTOSTEROLS: AVERAGE SELLING PRICE, BY REGION, 2020-2022 (USD/TON)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

FIGURE 19PHYTOSTEROLS: AVERAGE SELLING PRICE, BY COMPANY, 2020-2022 (USD/TON)63

6.5MARKET MAPPING AND ECOSYSTEM OF PHYTOSTEROLS63

6.5.1DEMAND SIDE63

6.5.2SUPPLY SIDE63

FIGURE 20PHYTOSTEROLS: MARKET MAP64

TABLE 6PHYTOSTEROLS MARKET: SUPPLY CHAIN (ECOSYSTEM)64

FIGURE 21PHYTOSTEROLS: ECOSYSTEM MAPPING65

6.6TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES66

FIGURE 22REVENUE SHIFT FOR PHYTOSTEROLS MARKET66

6.7PHYTOSTEROL MARKET: PATENT ANALYSIS67

FIGURE 23NUMBER OF PATENTS GRANTED BETWEEN 2013 AND 202267

FIGURE 24TOP 10 INVENTORS WITH HIGHEST NUMBER OF PATENT DOCUMENTS67

FIGURE 25LEADING APPLICANTS WITH HIGHEST NUMBER OF PATENT DOCUMENTS68

TABLE 7PATENTS PERTAINING TO PHYTOSTEROLS MARKET, 2021-202268

6.8TRADE ANALYSIS69

6.8.1SOYBEAN (2021)69

TABLE 8TOP 10 IMPORTERS AND EXPORTERS OF SOYBEAN, 2021 (KG)69

6.9KEY CONFERENCES AND EVENTS69

TABLE 9KEY CONFERENCES AND EVENTS IN PHYTOSTEROLS AND RELATED INDUSTRIES, 2023-202469

6.10TARIFF AND REGULATORY LANDSCAPE70

6.10.1NORTH AMERICA70

6.10.2US70

6.10.3CANADA71

6.10.4EUROPEAN UNION71

6.10.4.1EU Food Law71

6.10.4.2European Food Safety Authority (EFSA)71

6.10.4.3EU Cosmetics Regulation (EC) No. 1223/200972

6.10.5ASIA PACIFIC72

6.10.6CHINA72

6.10.7JAPAN72

6.10.8INDIA73

6.10.9SOUTH AMERICA73

6.10.10BRAZIL73

6.10.11MIDDLE EAST73

6.10.12UAE73

TABLE 10NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS73

TABLE 11EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS74

TABLE 12ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS75

6.11PORTER'S FIVE FORCES ANALYSIS76

TABLE 13PHYTOSTEROLS MARKET: PORTER'S FIVE FORCES ANALYSIS76

6.11.1INTENSITY OF COMPETITIVE RIVALRY76

6.11.2BARGAINING POWER OF SUPPLIERS76

6.11.3BARGAINING POWER OF BUYERS77

6.11.4THREAT OF SUBSTITUTES77

6.11.5THREAT OF NEW ENTRANTS77

6.12KEY STAKEHOLDERS AND BUYING CRITERIA77

6.12.1KEY STAKEHOLDERS IN BUYING PROCESS77

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

FIGURE 26 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF KEY FORMS 78

TABLE 14 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR FORMS OF PHYTOSTEROLS (%) 78

6.12.2 BUYING CRITERIA 78

TABLE 15 KEY CRITERIA FOR SELECTING SUPPLIER/VENDOR 78

FIGURE 27 KEY CRITERIA FOR SELECTING SUPPLIER/VENDOR 79

6.13 CASE STUDIES 79

6.13.1 ADM: SCIENCE AND TECHNOLOGY (S&T) CENTER IN CHINA 79

TABLE 16 AOM: INDUSTRIAL EXPANSION IN SPAIN 79

7 PHYTOSTEROLS MARKET, BY APPLICATION 80

7.1 INTRODUCTION 81

FIGURE 28 PHYTOSTEROLS MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION) 81

TABLE 17 PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 81

TABLE 18 PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 82

7.2 FOOD & BEVERAGE 82

7.2.1 CONSUMER SHIFT TOWARD HEALTHY AND NUTRITIVE LIFESTYLES TO DRIVE MARKET 82

TABLE 19 FOOD & BEVERAGE: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION) 82

TABLE 20 FOOD & BEVERAGE: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION) 83

TABLE 21 FOOD & BEVERAGE: PHYTOSTEROLS MARKET, BY SUB-APPLICATION, 2019-2022 (USD MILLION) 83

TABLE 22 FOOD & BEVERAGE: PHYTOSTEROLS MARKET, BY SUB-APPLICATION, 2023-2028 (USD MILLION) 83

7.2.2 DAIRY PRODUCTS 84

7.2.3 BAKERY AND CONFECTIONERY PRODUCTS 84

7.2.4 NUTRITIONAL PRODUCTS 84

7.2.5 SNACKS & CEREALS 85

7.2.6 BEVERAGES 85

7.2.7 OTHER FOOD APPLICATIONS 85

7.3 PHARMACEUTICALS 85

7.3.1 INCREASING NUMBER OF AGED POPULATION WORLDWIDE TO SUPPORT MARKET GROWTH 85

TABLE 23 PHARMACEUTICALS: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION) 86

TABLE 24 PHARMACEUTICALS: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION) 86

7.4 COSMETICS & PERSONAL CARE PRODUCTS 87

7.4.1 HIGH STRESS ON PERSONAL GROOMING TO FUEL DEMAND FOR COSMETIC PRODUCTS 87

TABLE 25 COSMETICS & PERSONAL CARE PRODUCTS: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION) 87

TABLE 26 COSMETICS & PERSONAL CARE PRODUCTS: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION) 88

7.4.1.1 FEED 88

7.4.2 RISING DEMAND FOR LIVESTOCK PRODUCTS AND CONCERNS REGARDING ANIMAL NUTRITION TO FUEL DEMAND FOR PHYTOSTEROLS 88

TABLE 27 FEED: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION) 89

TABLE 28 FEED: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION) 89

8 PHYTOSTEROLS MARKET, BY COMPOSITION 90

8.1 INTRODUCTION 91

FIGURE 29 GLOBAL PHYTOSTEROLS MARKET, BY COMPOSITION, 2023 VS. 2028 (USD MILLION) 91

TABLE 29 PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION) 91

TABLE 30 PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION) 92

?

8.2 BETA-SITOSTEROL 92

8.2.1 GROWING INCIDENCES OF PROSTATE CANCER AND AGEING POPULATION TO DRIVE DEMAND 92

TABLE 31 BETA-SITOSTEROL: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION) 92

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 32	BETA-SITOSTEROL: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	93
8.2.1.1	CAMPESTEROL	93
8.2.2	GROWTH IN SPORTS AND VETERINARY MEDICINE INDUSTRY TO DRIVE MARKET FOR CAMPESTEROLS	93
TABLE 33	CAMPESTEROL: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	93
TABLE 34	CAMPESTEROL: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	94
8.2.2.1	STIGMASTEROL	94
8.2.3	RISE IN DEMAND FOR VITAMIN D3 AND STEROIDS TO DRIVE MARKET	94
TABLE 35	STIGMASTEROL: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	94
TABLE 36	STIGMASTEROL: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	95
8.3	OTHER COMPOSITIONS	95
TABLE 37	OTHER COMPOSITIONS: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	95
TABLE 38	OTHER COMPOSITIONS: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	96
9	PHYTOSTEROLS MARKET, BY SOURCE	97
9.1	INTRODUCTION	97
9.2	VEGETABLE OILS	97
9.2.1	HIGHER CONCENTRATION OF PHYTOSTEROLS IN VEGETABLE OILS TO GIVE RISE TO ITS POPULARITY	97
9.3	NUTS & SEEDS	97
9.3.1	HIGH FIBER CONTENT IN NUTS & SEEDS TO DRIVE MARKET FOR PHYTOSTEROL	97
9.4	WHOLE GRAINS	98
9.4.1	VERSATILITY OF WHOLE GRAINS TO FUEL MARKET FOR PHYTOSTEROLS	98
9.5	OTHER SOURCES	98
10	PHYTOSTEROLS MARKET, BY FORM	99
10.1	INTRODUCTION	100
FIGURE 30	DRY FORM TO DOMINATE MARKET DURING FORECAST PERIOD (USD MILLION)	100
TABLE 39	PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	100
TABLE 40	PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	100
TABLE 41	PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	101
TABLE 42	PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	101
10.2	DRY	101
10.2.1	LONGER SHELF LIFE, LESSER PROCESSING, AND CONVENIENT PACKAGING TO FUEL DEMAND	101
TABLE 43	DRY: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	102
TABLE 44	DRY: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	102
TABLE 45	DRY: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (KT)	102
TABLE 46	DRY: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (KT)	103
10.3	LIQUID	103
10.3.1	RISE IN DEMAND FOR FOOD AND COSMETIC PRODUCTS IN AQUEOUS MATRIX	103
TABLE 47	LIQUID: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	103
TABLE 48	LIQUID: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	104
TABLE 49	LIQUID: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (KT)	104
TABLE 50	LIQUID: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (KT)	104
11	PHYTOSTEROLS MARKET, BY REGION	105
11.1	INTRODUCTION	106
FIGURE 31	PHYTOSTEROLS MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES	106
TABLE 51	PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	107
TABLE 52	PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	107
TABLE 53	PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (KT)	107
TABLE 54	PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (KT)	108

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11.2	MACRO INDICATORS OF RECESSION	108
FIGURE 32	INDICATORS OF RECESSION	108
FIGURE 33	WORLD INFLATION RATE: 2011-2021	109
FIGURE 34	GLOBAL GDP: 2011-2021 (USD TRILLION)	110
FIGURE 35	PHYTOSTEROLS MARKET: EARLIER FORECAST VS. RECESSION FORECAST	111
FIGURE 36	RECESSION INDICATORS AND THEIR IMPACT ON PHYTOSTEROLS MARKET	112
FIGURE 37	GLOBAL PHYTOSTEROLS MARKET: EARLIER FORECAST VS. RECESSION FORECAST	113
11.3	NORTH AMERICA	114
11.3.1	NORTH AMERICA: RECESSION IMPACT ANALYSIS	114
FIGURE 38	INFLATION: COUNTRY-LEVEL DATA (2018-2021)	115
FIGURE 39	NORTH AMERICAN PHYTOSTEROLS MARKET: RECESSION IMPACT ANALYSIS	116
TABLE 55	NORTH AMERICA: PHYTOSTEROLS MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	116
TABLE 56	NORTH AMERICA: PHYTOSTEROLS MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	117
TABLE 57	NORTH AMERICA: PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION)	117
TABLE 58	NORTH AMERICA: PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION)	117
TABLE 59	NORTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	118
TABLE 60	NORTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	118
TABLE 61	NORTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	118
TABLE 62	NORTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	118
TABLE 63	NORTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	119
TABLE 64	NORTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	119
11.3.2	US	119
11.3.2.1	Consumer inclination toward functional food products due to rise in chronic diseases to drive market	119
TABLE 65	US: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	120
TABLE 66	US: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	120
11.3.3	CANADA	120
11.3.3.1	Booming food & beverage industry to drive demand for phytosterols	120
TABLE 67	CANADA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	121
TABLE 68	CANADA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	121
11.3.4	MEXICO	121
11.3.4.1	Change in diet patterns and rise in disposable income to propel market	121
TABLE 69	MEXICO: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	122
TABLE 70	MEXICO: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	122
11.3.4.2	Asia Pacific	122
11.3.5	ASIA PACIFIC: RECESSION IMPACT ANALYSIS	122
FIGURE 40	INFLATION: COUNTRY-LEVEL DATA (2018-2021)	123
FIGURE 41	ASIA PACIFIC PHYTOSTEROLS MARKET: RECESSION IMPACT ANALYSIS	123
FIGURE 42	ASIA PACIFIC: PHYTOSTEROLS MARKET SNAPSHOT	125
TABLE 71	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY COUNTRY/REGION, 2019-2022 (USD MILLION)	125
TABLE 72	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY COUNTRY/REGION, 2023-2028 (USD MILLION)	126
TABLE 73	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION)	126
TABLE 74	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION)	126
TABLE 75	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	127
TABLE 76	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	127
TABLE 77	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	127
TABLE 78	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	127
TABLE 79	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	128

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 80	ASIA PACIFIC: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	128
11.3.6	CHINA	128
11.3.6.1	Growing demand for phytosterols-based pharma active ingredients	128
TABLE 81	CHINA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	129
TABLE 82	CHINA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	129
11.3.7	INDIA	129
11.3.7.1	Consumer willingness to spend on fortified and enriched food products	129
TABLE 83	INDIA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	130
TABLE 84	INDIA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	130
11.3.8	JAPAN	130
11.3.8.1	Expanding aging population and consumer demand	130
TABLE 85	JAPAN: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	131
TABLE 86	JAPAN: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	131
11.3.9	AUSTRALIA & NEW ZEALAND	131
11.3.9.1	Rise in aging population and health awareness	131
TABLE 87	AUSTRALIA & NEW ZEALAND: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	132
TABLE 88	AUSTRALIA & NEW ZEALAND: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	132
11.3.10	REST OF ASIA PACIFIC	132
TABLE 89	REST OF ASIA PACIFIC: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	132
TABLE 90	REST OF ASIA PACIFIC: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	133
11.4	EUROPE	133
11.4.1	EUROPE: RECESSION IMPACT ANALYSIS	133
FIGURE 43	INFLATION: COUNTRY-LEVEL DATA (2018-2021)	134
FIGURE 44	EUROPEAN PHYTOSTEROLS MARKET: RECESSION IMPACT ANALYSIS	134
FIGURE 45	EUROPE: PHYTOSTEROLS MARKET SNAPSHOT	135
TABLE 91	EUROPE: PHYTOSTEROLS MARKET, BY COUNTRY/REGION, 2019-2022 (USD MILLION)	136
TABLE 92	EUROPE: PHYTOSTEROLS MARKET, BY COUNTRY/REGION, 2023-2028 (USD MILLION)	136
TABLE 93	EUROPE: PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION)	136
TABLE 94	EUROPE: PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION)	137
TABLE 95	EUROPE: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	137
TABLE 96	EUROPE: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	137
TABLE 97	EUROPE: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	137
TABLE 98	EUROPE: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	138
TABLE 99	EUROPE: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	138
TABLE 100	EUROPE: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	138
11.4.2	GERMANY	138
11.4.2.1	Strong food & beverage retail sales and increasing consumption of plant-based food	138
TABLE 101	GERMANY: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	139
TABLE 102	GERMANY: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	139
11.4.3	FRANCE	139
11.4.3.1	Government measures to increase production of healthy and sustainable plant-based products	139
TABLE 103	FRANCE: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	140
TABLE 104	FRANCE: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	140
11.4.4	UK	140
11.4.4.1	Large consumer base with increased health awareness	140
TABLE 105	UK: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	141
TABLE 106	UK: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	141

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11.4.5	ITALY	141
11.4.5.1	Dominant position in pharmaceutical sector and rising consumer preference for healthy food products	141
TABLE 107	ITALY: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	142
TABLE 108	ITALY: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	142
11.4.6	SPAIN	142
11.4.6.1	High demand for non-dairy products such as margarine	142
TABLE 109	SPAIN: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	143
TABLE 110	SPAIN: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	143
11.4.7	REST OF EUROPE	143
TABLE 111	REST OF EUROPE: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	144
TABLE 112	REST OF EUROPE: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	144
11.5	SOUTH AMERICA	144
11.5.1	SOUTH AMERICA: RECESSION IMPACT ANALYSIS	144
FIGURE 46	INFLATION: COUNTRY-LEVEL DATA (2018-2021)	145
FIGURE 47	SOUTH AMERICAN PHYTOSTEROLS MARKET: RECESSION IMPACT ANALYSIS	145
TABLE 113	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	146
TABLE 114	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	146
TABLE 115	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION)	146
TABLE 116	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION)	147
TABLE 117	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	147
TABLE 118	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	147
TABLE 119	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	147
TABLE 120	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	148
TABLE 121	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	148
TABLE 122	SOUTH AMERICA: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	148
11.5.2	BRAZIL	148
11.5.2.1	Boost in soybean production to drive market	148
TABLE 123	BRAZIL: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	149
TABLE 124	BRAZIL: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	149
11.5.3	ARGENTINA	149
11.5.3.1	Rise in market volume of plant-based sector to impact phytosterols industry	149
TABLE 125	ARGENTINA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	150
TABLE 126	ARGENTINA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	150
11.5.4	REST OF SOUTH AMERICA	150
TABLE 127	REST OF SOUTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	151
TABLE 128	REST OF SOUTH AMERICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	151
11.6	ROW	151
11.6.1	ROW: RECESSION IMPACT ANALYSIS	151
FIGURE 48	INFLATION: COUNTRY-LEVEL DATA (2018-2021)	152
FIGURE 49	ROW PHYTOSTEROLS MARKET: RECESSION IMPACT ANALYSIS	152
TABLE 129	ROW: PHYTOSTEROLS MARKET, BY REGION, 2019-2022 (USD MILLION)	153
TABLE 130	ROW: PHYTOSTEROLS MARKET, BY REGION, 2023-2028 (USD MILLION)	153
TABLE 131	ROW: PHYTOSTEROLS MARKET, BY COMPOSITION, 2019-2022 (USD MILLION)	153
TABLE 132	ROW: PHYTOSTEROLS MARKET, BY COMPOSITION, 2023-2028 (USD MILLION)	153
TABLE 133	ROW: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	154
TABLE 134	ROW: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	154
TABLE 135	ROW: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (USD MILLION)	154

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 136	ROW: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (USD MILLION)	154
TABLE 137	ROW: PHYTOSTEROLS MARKET, BY FORM, 2019-2022 (KT)	155
TABLE 138	ROW: PHYTOSTEROLS MARKET, BY FORM, 2023-2028 (KT)	155
11.6.2	AFRICA	155
11.6.2.1	Surge in cases of CVDs to drive demand	155
TABLE 139	AFRICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	155
TABLE 140	AFRICA: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	156
11.6.3	MIDDLE EAST	156
11.6.3.1	Rising incidences of diabetes and cardiac diseases to fuel demand	156
TABLE 141	MIDDLE EAST: PHYTOSTEROLS MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	156
TABLE 142	MIDDLE EAST: PHYTOSTEROLS MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	156
12	COMPETITIVE LANDSCAPE	157
12.1	OVERVIEW	157
12.2	MARKET SHARE ANALYSIS, 2022	157
TABLE 143	GLOBAL PHYTOSTEROLS MARKET: DEGREE OF COMPETITION (COMPETITIVE)	158
12.3	SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS	158
FIGURE 50	SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS, 2018-2022 (USD MILLION)	158
12.4	STRATEGIES ADOPTED BY KEY PLAYERS	159
TABLE 144	STRATEGIES ADOPTED BY KEY PHYTOSTEROLS MANUFACTURERS	159
12.5	COMPANY EVALUATION QUADRANT (KEY PLAYERS)	160
12.5.1	STARS	161
12.5.2	EMERGING LEADERS	161
12.5.3	PERVASIVE PLAYERS	161
12.5.4	PARTICIPANTS	161
FIGURE 51	GLOBAL PHYTOSTEROLS MARKET: COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS)	162
12.6	PRODUCT FOOTPRINT	163
TABLE 145	COMPANY FORM FOOTPRINT	163
TABLE 146	COMPANY APPLICATION FOOTPRINT	164
TABLE 147	COMPANY REGIONAL FOOTPRINT	165
TABLE 148	OVERALL COMPANY FOOTPRINT	166
?		
12.7	GLOBAL PHYTOSTEROLS MARKET: EVALUATION QUADRANT FOR START-UPS/SMES, 2022	167
12.7.1	PROGRESSIVE COMPANIES	167
12.7.2	STARTING BLOCKS	167
12.7.3	RESPONSIVE COMPANIES	167
12.7.4	DYNAMIC COMPANIES	167
FIGURE 52	GLOBAL PHYTOSTEROLS MARKET: COMPANY EVALUATION QUADRANT, 2022 (START-UPS/SMES)	168
12.7.5	COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES	169
TABLE 149	GLOBAL PHYTOSTEROLS MARKET: DETAILED LIST OF KEY START-UPS/SMES	169
TABLE 150	GLOBAL PHYTOSTEROLS MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES	170
12.8	COMPETITIVE SCENARIO	171
12.8.1	DEALS	171
TABLE 151	PHYTOSTEROLS: DEALS, 2018-2022	171
12.8.2	OTHERS	173
TABLE 152	PHYTOSTEROLS: OTHERS, 2019-2022	173
13	COMPANY PROFILES	174
	(Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)*	

13.1 KEY COMPANIES 174

13.1.1 ADM 174

TABLE 153 ADM: BUSINESS OVERVIEW 174

FIGURE 53 ADM: COMPANY SNAPSHOT 175

TABLE 154 ADM: PRODUCTS/SOLUTIONS/SERVICES OFFERED 175

TABLE 155 ADM: OTHERS 176

13.1.2 BASF SE 177

TABLE 156 BASF SE: BUSINESS OVERVIEW 177

FIGURE 54 BASF SE: COMPANY SNAPSHOT 178

TABLE 157 BASF SE: PRODUCTS/SOLUTIONS/SERVICES OFFERED 178

13.1.3 CARGILL, INCORPORATED 180

TABLE 158 CARGILL, INCORPORATED: BUSINESS OVERVIEW 180

FIGURE 55 CARGILL, INCORPORATED: COMPANY SNAPSHOT 180

TABLE 159 CARGILL, INCORPORATED: PRODUCTS/SOLUTIONS/SERVICES OFFERED 181

TABLE 160 CARGILL, INCORPORATED: DEALS 181

13.1.4 INTERNATIONAL FLAVORS & FRAGRANCES INC. 183

TABLE 161 INTERNATIONAL FLAVORS & FRAGRANCES INC.: BUSINESS OVERVIEW 183

FIGURE 56 INTERNATIONAL FLAVORS & FRAGRANCES INC.: COMPANY SNAPSHOT 184

TABLE 162 INTERNATIONAL FLAVORS & FRAGRANCES INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED 184

TABLE 163 INTERNATIONAL FLAVORS & FRAGRANCES INC.: DEALS 185

?

13.1.5 ASHLAND 186

TABLE 164 ASHLAND: BUSINESS OVERVIEW 186

FIGURE 57 ASHLAND: COMPANY SNAPSHOT 187

TABLE 165 ASHLAND: PRODUCTS/SOLUTIONS/SERVICES OFFERED 187

13.1.6 MATRIX LIFE SCIENCE 189

TABLE 166 MATRIX LIFE SCIENCE: BUSINESS OVERVIEW 189

TABLE 167 MATRIX LIFE SCIENCE: PRODUCTS/SOLUTIONS/SERVICES OFFERED 189

13.1.7 AOM 190

TABLE 168 AOM: BUSINESS OVERVIEW 190

TABLE 169 AOM: PRODUCTS/SOLUTIONS/SERVICES OFFERED 190

TABLE 170 AOM: OTHERS 191

13.1.8 LIPOFOODS 192

TABLE 171 LIPOFOODS: BUSINESS OVERVIEW 192

TABLE 172 LIPOFOODS: PRODUCTS/SOLUTIONS/SERVICES OFFERED 192

13.1.9 AVANTI POLAR LIPIDS 193

TABLE 173 AVANTI POLAR LIPIDS: BUSINESS OVERVIEW 193

TABLE 174 AVANTI POLAR LIPIDS: PRODUCTS/SOLUTIONS/SERVICES OFFERED 193

TABLE 175 AVANTI POLAR LIPIDS: DEALS 193

13.1.10 DRT 195

TABLE 176 DRT: BUSINESS OVERVIEW 195

TABLE 177 DRT: PRODUCTS/SOLUTIONS/SERVICES OFFERED 195

TABLE 178 DRT: DEALS 195

13.1.11 WILMAR INTERNATIONAL LTD. 197

TABLE 179 WILMAR INTERNATIONAL LTD: BUSINESS OVERVIEW 197

FIGURE 58 WILMAR INTERNATIONAL LTD: COMPANY SNAPSHOT 198

TABLE 180 WILMAR INTERNATIONAL LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED 198

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

13.1.12	VITAE NATURALS	200
TABLE 181	VITAE NATURALS: BUSINESS OVERVIEW	200
TABLE 182	VITAE NATURALS: PRODUCTS/SOLUTIONS/SERVICES OFFERED	200
13.1.13	TAMA BIOCHEMICAL CO., LTD.	201
TABLE 183	TAMA BIOCHEMICALS CO., LTD.: BUSINESS OVERVIEW	201
TABLE 184	TAMA BIOCHEMICALS CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED	201
13.1.14	BOC SCIENCES	202
TABLE 185	BOC SCIENCES: BUSINESS OVERVIEW	202
TABLE 186	BOC SCIENCES: PRODUCTS/SOLUTIONS/SERVICES OFFERED	202
13.1.15	HERBO NUTRA	203
TABLE 187	HERBO NUTRA: BUSINESS OVERVIEW	203
TABLE 188	HERBO NUTRA: PRODUCTS/SOLUTIONS/SERVICES OFFERED	203
13.1.16	CD BIOPARTICLES	204
TABLE 189	CD BIOPARTICLES: BUSINESS OVERVIEW	204
TABLE 190	CD BIOPARTICLES: PRODUCTS/SOLUTIONS/SERVICES OFFERED	204
13.1.17	FOODCHEM INTERNATIONAL CORPORATION	205
TABLE 191	FOODCHEM INTERNATIONAL CORPORATION: BUSINESS OVERVIEW	205
TABLE 192	FOODCHEM INTERNATIONAL CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED	205
13.1.18	PIONEER ENTERPRISE	206
TABLE 193	PIONEER ENTERPRISE: BUSINESS OVERVIEW	206
TABLE 194	PIONEER ENTERPRISE: PRODUCTS/SOLUTIONS/SERVICES OFFERED	206
13.1.19	GFN & SELCO	207
TABLE 195	GFN & SELCO: BUSINESS OVERVIEW	207
TABLE 196	GFN & SELCO: PRODUCTS/SOLUTIONS/SERVICES OFFERED	207
13.1.20	MMP INC.	208
TABLE 197	MMP INC.: BUSINESS OVERVIEW	208
TABLE 198	MMP INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED	208
*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MNM view might not be captured in case of unlisted companies.		
13.2	OTHER PLAYERS	209
13.2.1	LIFESCIENCES LLP	209
TABLE 199	IPSUM LIFESCIENCES LLP: COMPANY OVERVIEW	209
13.2.2	XI'AN HEALTHFUL BIOTECHNOLOGY CO., LTD	209
TABLE 200	XI'AN HEALTHFUL BIOTECHNOLOGY CO., LTD: COMPANY OVERVIEW	209
13.2.3	EVONIK INDUSTRIES AG	210
TABLE 201	EVONIK INDUSTRIES AG: COMPANY OVERVIEW	210
13.2.4	HYPHYTO INC.	210
TABLE 202	HYPHYTO INC.: COMPANY OVERVIEW	210
13.2.5	CANNOILS LLC	211
TABLE 203	CANNOILS LLC: COMPANY OVERVIEW	211
14	ADJACENT AND RELATED MARKETS	212
14.1	INTRODUCTION	212
TABLE 204	ADJACENT MARKETS	212
14.2	RESEARCH LIMITATIONS	212
14.3	CAROTENOIDS MARKET	212
14.3.1	MARKET DEFINITION	212
14.3.2	MARKET OVERVIEW	212

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 205 CAROTENOIDS MARKET, BY FORMULATION, 2017-2026 (USD MILLION) 213

14.4 FUNCTIONAL FOOD INGREDIENTS MARKET 213

14.4.1 MARKET DEFINITION 213

14.4.2 MARKET OVERVIEW 213

TABLE 206 FUNCTIONAL FOOD INGREDIENTS MARKET, BY TYPE, 2021-2026 (USD MILLION) 214

?

15 APPENDIX 215

15.1 DISCUSSION GUIDE 215

15.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 220

15.3 CUSTOMIZATION OPTIONS 222

15.4 RELATED REPORTS 222

15.5 AUTHOR DETAILS 223

**Phytosterols Market by Composition (Beta-Sitosterol, Campesterol, Stigmasterol),
Application (Food & Beverages, Pharmaceutical, Cosmetics & Personal Care
Products, and Feed), Form(Dry, Liquid), Source and Region - Global Forecast to 2028**

Market Report | 2023-05-11 | 216 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2025-06-26

Signature



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com