**Modified Starch Market by Raw Material, Function, Application, & by Region - Global Trends & Forecast to 2020**

**Description:**

The global modified starch is dominated by North America. The market in the Asia-Pacific region is projected to grow at a CAGR of 4.6% from 2015 to 2020. The developments in industries such as paper, textiles, and the growing demand for convenience food products in the Asia-Pacific region drive the modified starch market. The industrial applications and technology of starch processing is changing rapidly in the APAC countries, especially the sub-continent. The revenue for starch from the food and non-food sectors is estimated to rise at a rate of 4-5%. Corn and cassava form the major sources of modified starch in APAC, with China being the major player, followed by India. Rising prices of raw materials like corn and easy availability of other substitutes like hydrocolloids are major restraints.

Chemical modification has been a major tool for obtaining desirable properties and adding special value to the native starch. In general, native starches produce weak-bodied, cohesive, rubbery pastes when heated and undesirable gels when these pastes are cooled. As a result, food manufacturers generally prefer starches with better behavioral characteristics than those provided by native starches. Such properties of starches can be improved by the process of modification.

The major application sectors of modified starches are paper, oil drilling, textile, food/pharmaceutical, among others. Thus, starch can be used in numerous possible functional application areas, including adhesion, anti-staling, binding, clouding, dusting, emulsion, stabilization, encapsulation, flowing aid, foam strengthening, gelling, glazing, moisture retention, molding, shaping, stabilizing, and thickening. There are many types of important modified starch.

To meet the demanding technological needs of today, the properties of starch are modified by a variety of methods. The methods are aimed at correcting some of the shortcomings. This, in turn, enhances the starch's versatility and satisfies the consumer demand.

The modified starch market was dominated by Cargill, Incorporated (U.S.), Ingredion Incorporated (U.S.), Archer Daniels Midland Company (U.S.), Tate & Lyle Plc. (U.K.), and Roquette Frères (France) with respect to their developments in the past few years. These companies accounted for a cumulative share of about 55% in the market. Other players include companies such as Avebe U. A. (Colorado), Emsland-Starke Gmbh (Germany), Grain Processing Corporation (U.S.), Agrana Beteiligungs-AG (Austria), and Global Bio-chem Technology Group Ltd. (Hong Kong).

The segments of the modified starch market considered for this study include raw materials, function, application, and region. All growth parameters in individual segments have been considered. North America dominated the global modified starch market in 2014.

**Contents:**

1 Introduction
   1.1 Objectives Of The Study
1.2 Market Definition
1.3 Study Scope
   1.3.1 Market Scope
   1.3.2 Geographic Scope
1.4 Period Considered For Modified Starch Market
1.5 Base Currency Considered For Modified Starch Market
1.6 Limitations
1.7 Stakeholders

2 Research Methodology
   2.1 Research Data
      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 Key Industry Insights
2.1.2.2.1 Breakdown Of Primaries By Company Type, Designation & Region

2.2 Multi-Factor Model
2.2.1 Introduction
2.2.2 Analysis Methodology
2.2.3 Data
2.2.3.1 Data Scatter-Plot Chart And Correlation Results

2.3 Market Size Estimation
2.4 Market Breakdown & Data Triangulation
2.5 Research Assumptions & Limitations
2.5.1 Assumptions

3 Executive Summary

4 Premium Insights
4.1 Opportunities In The Modified Starch Market
4.2 Key Modified Starch Markets In 2015
4.3 Life Cycle Analysis: Modified Starch Market, By Region
4.4 Modified Starch Market, By Raw Material, 2015 Vs. 2020
4.5 Asia-Pacific Estimated To Be The Fastest-Growing Market For Modified Starch, 2015-2020
4.6 Developed Vs. Emerging Modified Starch Market, 2015 Vs. 2020
4.7 Modified Starch In Food & Beverages Market, By Sub-Segment, 2015
4.8 Modified Starch Market, Application By Function, 2014

5 Market Overview
5.1 Introduction
5.2 Evolution
5.3 Market Segmentation
5.3.1 Modified Starch Market, By Raw Material
5.3.2 Modified Starch Market, By Application
5.3.3 Modified Starch Market, By Type
5.3.4 Modified Starch Market, By Function
5.4 Market Dynamics
5.4.1 Drivers
5.4.1.1 Growing Convenience Food Sector
5.4.1.2 Functional Properties Of Modified Starch
5.4.1.3 Growing Usage & Application Of Modified Starch In End-User Industries
5.4.2 Restraints
5.4.2.1 Rising Prices Of Raw Materials Due To Biofuel Production Requirements
5.4.2.2 Growing Gum Arabic Market
5.4.3 Opportunity
5.4.3.1 Potential Of Alternate Sources Of Modified Starch And Untapped Application Fields
5.4.4 Burning Issue
5.4.4.1 Impact Of Consumer Perception Of E-Numbers

6 Industry Trends
6.1 Introduction
6.2 Supply Chain
6.3 Industry Insights
6.4 Porter’S Five Forces Analysis
6.4.1 Threat Of New Entrants
6.4.2 Threat Of Substitutes
6.4.3 Bargaining Power Of Suppliers
6.4.4 Bargaining Power Of Buyers
6.4.5 Intensity Of Competitive Rivalry
6.5 Strategic Benchmarking
6.5.1 New Product Launches, Expansions & Investments, Strategic Acquisitions, & Other Strategies

7 Modified Starch Market, By Raw Material
7.1 Introduction
7.2 Corn
7.3 Cassava
7.4 Potato
7.5 Wheat
7.6 Others

8 Modified Starch Market, By Application
8.1 Introduction
8.2 Food & Beverages
8.2.1 Confectionery
8.2.2 Beverages
8.2.3 Processed Food
8.2.4 Other Food & Beverage Applications
8.3 Animal Feed
8.3.1 Swine Feed
8.3.2 Ruminant Feed
8.3.3 Poultry Feed
8.3.4 Other Feed
8.4 Other End-User Applications
8.4.1 Medicines & Pharmaceutical
8.4.2 Weaving & Textiles
8.4.3 Paper Making
8.4.4 Cosmetics
8.4.5 Other End-User Applications

9 Modified Starch Market, By Type
9.1 Introduction
9.2 Etherified Starch
9.3 Esterified Starch
9.4 Resistant Starch
9.5 Pre-Gelatinized

10 Modified Starch Market, By Function
10.1 Introduction
10.2 Thickening
10.3 Stabilizing
10.4 Binding
10.5 Emulsifying
10.6 Others

11 Modified Starch Market, By Geography
11.1 Introduction
11.2 North America
11.3 Europe
11.4 Asia-Pacific
11.5 Rest Of World

12 Competitive Landscape
12.1 Overview
12.2 Modified Starch Market: Market Share Analysis
12.3 Competitive Situation & Trends
12.3.1 New Product Launches
12.3.2 Expansions & Investments
12.3.3 Agreements, Partnerships, Joint Ventures & Collaborations
12.3.4 Mergers & Acquisitions

13 Company Profiles
13.1 Introduction
13.2 Agrana Beteiligungs-Ag
13.2.1 Business Overview
13.2.1.1 Key Strategy
13.2.2 Product Offerings
13.2.3 Recent Developments
13.3 Avebe U.A.
13.3.1 Business Overview
13.3.1.1 Key Strategy
13.3.2 Product Offerings
13.3.3 Recent Developments
13.4 Archer Daniels Midland Company
13.4.1 Business Overview
13.4.1.1 Key Strategy
13.4.2 Product Offerings
13.4.3 Recent Developments
13.4.4 Swot Analysis
13.4.5 Mnm View
13.5 Cargill, Incorporated
13.5.1 Business Overview
13.5.1.1 Key Strategy
13.5.2 Product Offerings
13.5.3 Recent Developments
13.5.4 Swot Analysis
13.5.5 Mnm View
13.6 Emsland-Starke Gmbh
13.6.1 Business Overview
13.6.1.1 Key Strategy
13.6.2 Product Offerings
13.6.3 Recent Developments
13.6.4 Swot Analysis
13.6.5 Mnm View
13.7 Grain Processing Corporation
13.7.1 Business Overview
13.7.1.1 Key Strategy
13.7.2 Product Offerings
13.7.3 Recent Developments
13.7.4 Swot Analysis
13.7.5 Mnm View
13.8 Global Bio-Chem Technology Group Company Limited
13.8.1 Business Overview
13.8.1.1 Key Strategy
13.8.2 Product Offerings
13.8.2.1 Recent Developments
13.9 Ingredion Incorporated
13.9.1 Business Overview
13.9.1.1 Key Strategies
13.9.2 Product Offerings
13.9.3 Recent Developments
13.9.4 Swot Analysis
13.9.5 Mnm View
13.10 Roquette Frères
13.10.1 Business Overview
13.10.1.1 Key Strategies
13.10.2 Food: Product Offerings
13.10.3 Pharma & Personal Care: Product Offerings
13.10.4 Paper Corrugating & Adhesives: Product Offerings
13.10.5 Recent Developments
13.10.6 Swot Analysis
13.10.7 Mnm View
13.11 Tate & Lyle Plc
13.11.1 Business Overview
13.11.1.1 Key Strategies
13.11.2 Product Offerings
13.11.3 Recent Developments
13.11.4 Swot Analysis
13.11.5 Mnm View

14 Appendix
14.1 Key Industry Insights
14.2 Discussion Guide
14.3 Company Developments
14.3.1 Expansions & Investments
14.3.2 Agreements, Partnerships, Joint Ventures & Collaborations
14.3.3 Mergers & Acquisitions
14.4 Introducing Rt: Real-Time Market Intelligence
14.5 Available Customizations
14.6 Related Reports

List Of Tables

Table 1 Per Capita Expenditure On Convenience Foods, 2005-2010, ($Million)
Table 2 List Of E-Numbers And Ins Numbers For Modified Starches
Table 3 Global Raw Material Production (Tons)
Table 4 Average Price Of Raw Materials ($Per Mt)
Table 5 Modified Starch Market Size, By Raw Material, 2012-2020 ($Million)
Table 6 Modified Starch Market Size, By Raw Material, 2012-2020 (Kt)
Table 7 Corn: Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 8 Corn: Modified Starch Market Size, By Region, 2012-2020 ($Million)
Table 9 North America: Modified Corn Starch Market Size, By Application, 2012-2020 ($Million)
Table 10 North America: Modified Corn Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 11 North America: Modified Corn Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 12 North America: Modified Corn Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 13 Europe: Modified Corn Starch Market Size, By Application, 2012-2020 ($Million)
Table 14 Europe: Modified Corn Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 15 Europe: Modified Corn Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 16 Europe: Modified Corn Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 17 Asia-Pacific: Modified Corn Starch Market Size, By Application, 2012-2020 ($Million)
Table 18 Asia-Pacific: Modified Corn Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 19 Asia-Pacific: Modified Corn Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 20 Asia-Pacific: Modified Corn Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 21 Row: Modified Corn Starch Market Size, By Application, 2012-2020 ($Million)
Table 22 Row: Modified Corn Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 23 Row: Modified Corn Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 24 Row: Modified Corn Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 25 Cassava: Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 26 Cassava: Modified Starch Market Size, By Region, 2012-2020 ($Million)
Table 27 North America: Modified Cassava Starch Market Size, By Application, 2012-2020 ($Million)
Table 28 North America: Modified Cassava Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 29 North America: Modified Cassava Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 30 North America: Modified Cassava Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 31 Europe: Modified Cassava Starch Market Size, By Application, 2012-2020 ($Million)
Table 32 Europe: Modified Cassava Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 33 Europe: Modified Cassava Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 34 Europe: Modified Cassava Starch In Other End-User Applications Market Size, By Sub-Segmens, 2012-2020 ($Million)
Table 35 Asia-Pacific: Modified Cassava Starch Market Size, By Application,
2012-2020 ($Million)
Table 36 Asia-Pacific: Modified Cassava Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 37 Asia-Pacific: Modified Cassava Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 38 Asia-Pacific: Modified Cassava Starch In Other End-User Applications Market Size, By Sub-Segments, 2012-2020 ($Million)
Table 39 Row: Modified Cassava Starch Market Size, By Application, 2012-2020 ($Million)
Table 40 Row: Modified Cassava Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 41 Row: Modified Cassava Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 42 Row: Modified Cassava Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 43 Potato: Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 44 Potato: Modified Starch Market Size, By Region, 2012-2020 ($Million)
Table 45 North America: Modified Potato Starch Market Size, By Application, 2012-2020 ($Million)
Table 46 North America: Modified Potato Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 47 North America: Modified Potato Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 48 North America: Modified Potato Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 49 Europe: Modified Potato Starch Market Size, By Application, 2012-2020 ($Million)
Table 50 Europe: Modified Potato Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 51 Europe: Modified Potato Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 52 Europe: Modified Potato Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 53 Asia-Pacific: Modified Potato Starch Market Size, By Application, 2012-2020 ($Million)
Table 54 Asia-Pacific: Modified Potato Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 55 Asia-Pacific: Modified Potato Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 56 Asia-Pacific: Modified Potato Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 57 Row: Modified Potato Starch Market Size, By Application, 2012-2020 ($Million)
Table 58 Row: Modified Potato Starch In Food & Beverages Market Size, By Sub-Segments, 2012-2020 ($Million)
Table 59 Row: Modified Potato Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 60 Row: Modified Potato Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 61 Wheat: Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 62 Wheat: Modified Starch Market Size, By Region, 2012-2020 ($Million)
Table 63 North America: Modified Wheat Starch Market Size, By Application, 2012-2020 ($Million)
Table 64 North America: Modified Wheat Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 65 North America: Modified Wheat Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 66 North America: Modified Wheat Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 67 Europe: Modified Wheat Starch Market Size, By Application, 2012-2020 ($Million)
Table 68 Europe: Modified Wheat Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 69 Europe: Modified Wheat Starch In Animal Feed Market Size,
By Sub-Segment, 2012-2020 ($Million)
Table 70 Europe: Modified Wheat Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 71 Asia-Pacific: Modified Wheat Starch Market Size, By Application, 2012-2020 ($Million)
Table 72 Asia-Pacific: Modified Wheat Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 73 Asia-Pacific: Modified Wheat Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 74 Asia-Pacific: Modified Wheat Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 75 Row: Modified Wheat Starch Market Size, By Application, 2012-2020 ($Million)
Table 76 Row: Modified Wheat Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 77 Row: Modified Wheat Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 78 Row: Modified Wheat Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 79 Others: Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 80 Others: Modified Starch Market Size, By Region, 2012-2020 ($Million)
Table 81 North America: Other Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 82 North America: Other Modified Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 83 North America: Other Modified Starch In Animal Feed Market Size, By Sub-Segments, 2012-2020 ($Million)
Table 84 North America: Other Modified Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 85 Europe: Other Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 86 Europe: Other Modified Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 87 Europe: Other Modified Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 88 Europe: Other Modified Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 89 Asia-Pacific: Other Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 90 Asia-Pacific: Other Modified Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 91 Asia-Pacific: Other Modified Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 92 Asia-Pacific: Other Modified Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 93 Row: Other Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 94 Row: Other Modified Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 95 Row: Other Modified Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 96 Row: Other Modified Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 97 Modified Starch Market Size, By Application, 2012-2020 ($Million)
Table 98 Modified Starch In Food & Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)
Table 99 Modified Starch In Food & Beverages Market Size, By Function, 2012-2020 ($Million)
Table 100 Modified Starch In Food & Beverages Market Size, By Region, 2012-2020 ($Million)
Table 101 Modified Starch In Confectionery Market Size, By Region, 2012-2020 ($Million)
Table 102 Modified Starch In Beverages Market Size, By Region, 2012-2020 ($Million)
Table 103 Modified Starch In Processed Foods Market Size, By Region,
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 104</td>
<td>Modified Starch In Other Food &amp; Beverages Applications Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 105</td>
<td>Modified Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 106</td>
<td>Modified Starch In Animal Feed Market Size, By Function, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 107</td>
<td>Modified Starch In Animal Feed Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 108</td>
<td>Modified Starch In Swine Feed Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 109</td>
<td>Modified Starch In Ruminant Feed Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 110</td>
<td>Modified Starch In Poultry Feed Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 111</td>
<td>Modified Starch In Other Feed Applications Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 112</td>
<td>Modified Starch In Other End-User Applications Market Size, By Sub-Segments, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 113</td>
<td>Modified Starch In Other End-User Applications Market Size, By Function, 2012-2020</td>
</tr>
<tr>
<td>Table 114</td>
<td>Modified Starch In Other End-User Applications Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 115</td>
<td>Modified Starch In Medicines &amp; Pharmaceutical Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 116</td>
<td>Modified Starch In Weaving &amp; Textiles Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 117</td>
<td>Modified Starch In Paper Applications Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 118</td>
<td>Modified Starch In Cosmetics Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 119</td>
<td>Modified Starch In Other End-User Applications Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 120</td>
<td>Characteristics Of Modified Starch</td>
</tr>
<tr>
<td>Table 121</td>
<td>Functions Of Etherified Starch In Food Applications</td>
</tr>
<tr>
<td>Table 122</td>
<td>Functions, Benefits, And Use Of Resistant Modified Starch In Food &amp; Beverage Applications</td>
</tr>
<tr>
<td>Table 123</td>
<td>Functions Of Pre-Gelatinized Modified Starch In Food &amp; Beverage Applications</td>
</tr>
<tr>
<td>Table 124</td>
<td>Modified Starch Market Size, By Function, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 125</td>
<td>Thickening: Modified Starch Market Size, By Application, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 126</td>
<td>Stabilizing: Modified Starch Market Size, By Application, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 127</td>
<td>Binding: Modified Starch Market Size, By Application, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 128</td>
<td>Emulsifying: Modified Starch Market Size, By Application, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 129</td>
<td>Others: Modified Starch Market Size, By Application, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 130</td>
<td>Modified Starch Market Size, By Region, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 131</td>
<td>Modified Starch Market Volume, By Region, 2012-2020 (Kt)</td>
</tr>
<tr>
<td>Table 132</td>
<td>North America: Modified Starch Market Size, By Country, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 133</td>
<td>North America: Modified Starch Market Size, By Raw Material, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 134</td>
<td>North America: Modified Starch Market Size, By Function, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 135</td>
<td>North America: Modified Starch In Food &amp; Beverages Market Size, By Sub-Segment, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 136</td>
<td>North America: Modified Starch In Animal Feed Market Size, By Sub-Segment, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 137</td>
<td>North America: Modified Starch In Other End-User Applications Market Size, By Sub-Segment, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 138</td>
<td>Europe: Modified Starch Market Size, By Country, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 139</td>
<td>Europe: Modified Starch Market Size, By Raw Material, 2012-2020 ($Million)</td>
</tr>
<tr>
<td>Table 140</td>
<td>Europe: Modified Starch Market Size, By Application,</td>
</tr>
</tbody>
</table>
Figure 25 Evolution Of Modified Starch
Figure 26 Modified Starch Market, By Raw Material
Figure 27 Modified Starch Market, By Application
Figure 28 Modified Starch Market, By Type
Figure 29 Modified Starch Market, By Function
Figure 30 Market Dynamics: Modified Starch
Figure 31 U.S. Corn Prices, 2002-2012 ($/Ton)
Figure 32 Baseline Projections For U.S. Corn Usage, By Industry, 2008-2015 (Million Bushels)
Figure 33 Supply Chain: Modified Starch Market
Figure 34 New Product Launch Is The Most Prevailing Strategic Trend In The Modified Starch Industry
Figure 35 Porter'S Five Forces Analysis
Figure 36 New Product Launch: A Key Strategy Adopted By The Market Leaders
Figure 37 Geographic Snapshot: New Hotspots Emerging In Asia-Pacific, Cagr % (2015-2020)
Figure 38 New Product Launches Was Preferred By Key Modified Starch Companies, 2010-2015
Figure 39 Modified Starch Market Share (Developments), By Key Player, 2014
Figure 40 New Product Launches And Expansions & Investments Fueled Growth & Innovation Of Modified Starch Market Between 2011 & 2015
Figure 41 New Product Launches: The Key Strategy, 2014
Figure 42 Geographic Revenue Mix Of Top Five Modified Starch Producers
Figure 43 Agrana Beteiligung-Ag: Company Snashot
Figure 44 Avebe U.A.: Company Snashot
Figure 45 Archer Daniels Midland Company: Company Snashot
Figure 46 Archer Daniels Midland Company: Swot Analysis
Figure 47 Cargill, Incorporated: Company Snashot
Figure 48 Cargill, Incorporated: Swot Analysis
Figure 49 Global Bio-Chem Technology Group Co. Ltd: Company Snashot
Figure 50 Ingredion Incorporated: Company Snashot
Figure 51 Ingredion Incorporated: Swot Analysis
Figure 52 Roquette Frères: Company Snashot
Figure 53 Roquette Frères: Swot Analysis
Figure 54 Tate & Lyle Plc: Company Snashot
Figure 55 Tate & Lyle Plc: Swot Analysis

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