Seed Market by Type, Seed Trait & Region - Global Trends & Forecast to 2020

Description:
Seed Market by Type (Cereals & Grains, Oilseeds, and Fruit & Vegetables), Seed Trait (Herbicide Tolerant, Insect Resistant, and Other Stacked Traits) & Region - Global Trends & Forecast to 2020

The global seeds market has been projected to reach a value of $92.04 billion by 2020, driven primarily by the increasing demand for food in tandem with the growing global population, declining arable land, technology driven agricultural farming, and extensive use of biotechnology in seed development. Intensive research and development efforts by seed companies have brought about evolved strains of seeds that displaying resistance to diseases and pests, and which are able to deliver enhanced yields with minimized use of other agri-inputs such as fertilizers and crop protection chemicals.

Growth of the global seed market is primarily driven by the use of seeds with traits for cultivation and increasing awareness among the farmers about the seeds with traits due to its adopt-ability and high returns. Oilseed and grain seeds are key segments of the global seed market. The seed market is further classified as seed with various biotech traits which include herbicide resistance, insect resistance, and other staked seed. North America is the largest market for seed, followed by Asia-Pacific. The seed market is increasing due to commercialization of agriculture crop production and the intentions of farmers as well as governments to gain more output from the available agriculture land. The rising popularity of GM seeds has increased the growth prospect of the use of seeds to cultivate the crops in these regions. Large farm holding sizes, adoption of technology improved agri-inputs are the other major drivers for the growth of the seed industry in North America.

The global seed market is marked with intense competition due to the presence of a large number of big and small firms. Top ten companies accounted for major share in the global seed market in 2014. New product developments, mergers & acquisitions, and expansions are the key strategies adopted by market players to ensure growth in the market. The market is dominated by players such as the Monsanto (U.S.), E. I. Du Pont De Nemours and Company (U.S.), Syngenta AG (Switzerland), KWS SAAT SE (Germany), and Bayer CropScience AG (Germany).

In this report, the global seed market is segmented into type, seed trait, and region. The global seed market was valued at $53.76 billion in 2014 and is projected to grow at a CAGR of 9.4% from 2015 to 2020.

Contents:
1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Market Scope
      1.3.1 Markets Covered
      1.3.2 Years Considered for the Study
   1.4 Currency Used
   1.5 Limitations
   1.6 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
         2.1.2.3 Breakdown of Primary Interviews
   2.2 Factor Analysis
      2.2.1 Introduction
      2.2.2 Demand-Side Analysis
         2.2.2.1 Seed Input: Key to Food Security of Ever-Growing Population of the World
2.2.2.2 Shrinking Arable Land
2.2.2.3 Rising Food Prices and Shortages
2.2.3 Supply-Side Analysis
   2.2.3.1 Rigorous Research and Sharing of Intellectual Property Rights (IPR)
   2.2.3.2 Trend in Cultivation of Bio-Tech Crops
   2.2.3.3 Less Cost of Introducing Product With New Biotech Trait in the Market
2.3 Global Market Size Estimation
   2.3.1 Bottom-Up Approach
   2.3.2 Top-Down Approach
2.4 Market Breakdown & Data Triangulation
2.5 Research Assumptions & Limitations
   2.5.1 Assumptions
   2.5.2 Limitations
3 Executive Summary
4 Premium Insights
   4.1 Attractive Marketing Opportunities in the Seed Market
   4.2 Seed Market, By Type
   4.3 Leading Markets for Seed
   4.4 U.S. Accounted for the Largest Share in the Seed Market, 2014
   4.5 Life Cycle Analysis: By Region
5 Market Overview
   5.1 Introduction
   5.2 Evolution
   5.3 Market Segmentation
      5.3.1 Seed Market, By Type
      5.3.2 Seed Market, By Trait
   5.4 Market Dynamics
      5.4.1 Drivers
         5.4.1.1 Huge Investments in R&D
         5.4.1.2 Increasing Size of Genetically Modified (GM) Crop Market
         5.4.1.3 Change in Science and Technology Advancements
         5.4.1.4 Improvement in Seed Replacement Rate (SRR)
      5.4.2 Restraint
         5.4.2.1 Regulations in Cultivation of Gm Crops
      5.4.3 Opportunities
         5.4.3.1 New Technologies & Improvements
         5.4.3.2 Growth in Arable Crop and Yield
         5.4.3.3 Diversified Demand and Specialized Cultivation of Food Crops
      5.4.4 Challenge
         5.4.4.1 Duration of New Plant Biotechnology Trait R&D Process
6 Industry Trends
   6.1 Introduction
   6.2 Value Chain Analysis
   6.3 Supply Chain Analysis
      6.3.1 Prominent Companies
      6.3.2 Small & Medium Enterprises
      6.3.3 End Users
   6.4 Industry Insights
      6.4.1 Cereals & Grains Segment Dominates the Seed Market
      6.4.2 North America is the Largest Market for Use of Seeds
   6.5 Porter's Five Forces Analysis
      6.5.1 Intensity of Competitive Rivalry
      6.5.2 Bargaining Power of Suppliers
      6.5.3 Bargaining Power of Buyers
      6.5.4 Threat of New Entrants
      6.5.5 Threat of Substitutes
   6.6 Strategic Benchmarking
      6.6.1 Agreements, Partnerships, Joint Ventures & Collaborations
11 Competitive Landscape
11.1 Overview
11.2 Seed Market: Market Share Analysis (Developments)
11.3 Competitive Situation & Trends
   11.3.1 Agreements, Partnerships, Joint Ventures & Collaborations
   11.3.2 Expansion & Investment
   11.3.3 New Product Launches
   11.3.4 Mergers & Acquisitions

12 Company Profiles
(Company at A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent
Developments)*
  12.1 Introduction
  12.2 Global Seed Market Trend
  12.3 Bayer AG.
  12.4 E. I. Dupont De Nemours and Company
  12.5 Monsanto
  12.6 Syngenta AG
  12.7 DOW Agrosciences LLC
  12.8 Land O’lakes, Inc.
  12.9 KWS Saat SE
  12.10 Sakata Seed Corporation
  12.11 Groupe Limagrain
  12.12 Allis India Limited

*Details on Company at A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent
Developments Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
  13.1 Insights of Industry Experts
  13.2 Discussion Guide
  13.3 Company Developments
     13.3.1 New Product Launches/Developments
     13.3.2 Agreements, Partnerships, Joint Ventures & Collaborations
     13.3.3 Mergers & Acquisitions
     13.3.4 Expansions & Investments
  13.4 Introducing RT: Real-Time Market Intelligence
  13.5 Available Customizations
  13.6 Related Reports

List of Tables (126 Tables)

Table 1 Assumptions of the Study
Table 2 Agrochemical & Seed Companies: R&D Expenditures, 2011 ($Million)
Table 3 Impact of Key Drivers on the Seed Market
Table 4 Impact of Key Restraints on the Seed Market
Table 5 Opportunities for Seed Market
Table 6 Challenges to Seed Market
Table 7 Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 8 Oilseeds & Their Application
Table 9 Oilseeds: Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 10 Oilseeds: Seed Market Size, By Region, 2013-2020 ($Million)
Table 11 Oilseeds: Seed Market Size for Soybean, By Type, 2013-2020 ($Million)
Table 12 Oilseeds: Seed Market Size for Soybean, By Region, 2013-2020 ($Million)
Table 13 Oilseeds: Seed Market Size for Sunflower, By Region, 2013-2020 ($Million)
Table 14 Oilseeds: Seed Market Size for Cotton, By Region, 2013-2020 ($Million)
Table 15 Oilseeds: Seed Market Size for Cotton, By Type, 2013-2020 ($Million)
Table 16 Oilseeds: Seed Market Size for Canola, By Region, 2013-2020 ($Million)
Table 17 Oilseeds: Seed Market Size for Canola, By Type, 2013-2020 ($Million)
Table 18 Cereals & Grains: Seed Market Size, By Region, 2013-2020 ($Million)
Table 19 Cereals & Grains: Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 20: Cereals & Grains: Seed Market Size for Corn, By Region, 2013-2020 ($Million)
Table 21: Cereals & Grains: Seed Market Size for Rice, By Region, 2013-2020 ($Million)
Table 22: Cereals & Grains: Seed Market Size for Wheat, By Region, 2013-2020 ($Million)
Table 23: Cereals & Grains: Seed Market Size for Sorghum, By Region, 2013-2020 ($Million)
Table 24: Fruits & Vegetables: Seed Market Size, By Region, 2013-2020 ($Million)
Table 25: Fruits & Vegetables: Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 26: Other Seeds: Seed Market Size, By Region, 2013-2020 ($Million)
Table 27: Other Seeds: Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 28: Seeds With Traits: Seed Market Size, By Crop Type, 2013-2020 ($Million)
Table 29: Seeds With Traits: Seed Market Size, By Crop Type, 2013-2020 (Million Hectares)
Table 30: Seeds With Traits: Seed Market Size, By Crop, 2013-2020 ($Million)
Table 31: Seeds With Traits: Seed Market Size, By Crop, 2013-2020 (Million Hectares)
Table 32: Seeds With Traits: Seed Market Size, By Region, 2013-2020 ($Million)
Table 33: Seeds With Traits: Seed Market Size, By Region, 2013-2020 (Million Hectares)
Table 34: Seeds With Traits: Seed Market Size, By Trait, 2013-2020 ($Million)
Table 35: Seeds With Traits: Seed Market Size, By Trait, 2013-2020 (Million Hectares)
Table 36: Seeds With Traits: Seed Market Size, By Trait Type, 2013-2020 ($Million)
Table 37: Commerically Available Biotech Trait Seeds, By Crop
Table 38: Trait: 2,4-D Herbicide-Tolerant Seed Technical Information
Table 39: Trait: Dicamba Herbicide Tolerance Seed Technical Information
Table 40: Trait: Glufosinate Herbicide Tolerance Seed Technical Information
Table 41: Trait: Glyphosate Herbicide Tolerance Seed Technical Information
Table 42: Trait: Isoxaflutole Herbicide Tolerance Seed Technical Information
Table 43: Trait: Oxynil Herbicide Tolerance Seed Technical Information
Table 44: Trait: Sulfonylurea Herbicide Tolerance Seed Technical Information
Table 45: Commercial Trait: Herbicide Tolerance
Table 46: Trait: Coleopteran Insect Resistant Seed Technical Information
Table 47: Trait: Lepidopteran Insect Resistance Seed Technical Information
Table 48: Trait: Male Sterility Resistance Seed Technical Information
Table 49: Trait: Mannose Metabolism Resistance Seed Technical Information
Table 50: Trait: Multiple Insect Resistance Seed Technical Information
Table 51: Commercial Trait: Insect Resistance
Table 52: Trait: Anti-Allergy Stacked Seed Technical Information
Table 53: Trait: Antibiotic Resistance Stacked Seed Technical Information
Table 54: Trait: Delayed Fruit Softening Stacked Seed Technical Information
Table 55: Trait: Delayed Ripening/Senescence Stacked Seed Technical Information
Table 56: Trait: Drought Stress Tolerance Stacked Seed Technical Information
Table 57: Trait: Fertility Restoration Stacked Seed Technical Information
Table 58: Trait: Mannose Metabolism Stacked Seed Technical Information
Table 59: Trait: Modified Alpha Amylase Stacked Seed Technical Information
Table 60: Trait: Modified Amino Acid Stacked Seed Technical Information
Table 61: Trait: Modified Flower Color Stacked Seed Technical Information
Table 62: Trait: Modified Oil/Fatty Acid Stacked Seed Technical Information
Table 63: Trait: Modified Starch/Carbohydrate Stacked Seed Technical Information
Table 64: Trait: Nicotine Reduction Stacked Seed Technical Information
Table 65: Trait: Nopaline Synthesis Stacked Seed Technical Information
Table 66: Trait: Phytase Production Stacked Seed Technical Information
Table 67: Trait: Abiotic Stress Tolerant Seed: Technical Information
Table 68: Trait: Viral Disease Resistance Seed Technical Information
Table 69: Trait: Visual Marker Disease Resistance Seed Technical Information
Table 70: Commercial Trait: Modified Product Quality
Table 71: Trait: Pollination Control System
Table 72: Dekalb Brand and Its Products
Table 73: Pioneer Products
Table 74: Nk Corn Brand & Its Products
Table 75: Seed Market Size, By Region, 2013–2020 ($Million)
Table 76: North America: Seed Market Size, By Country, 2013–2020 ($Million)
Table 77: North America: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 78: North America: Export of Seeds, By Country, 2012, ($Million)
Table 79: North America: Import of Seeds, By Country, 2012, ($Million)
Table 80: North America: Seed Market Size, By Trait, 2013–2020 ($Million)
Table 81: U.S.: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 82: Canada: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 83 Mexico: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 84 Europe: Seed Market Size, By Country, 2013–2020 ($Million)
Table 85 Europe: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 86 Europe: Export of Seeds, By Country, 2012 ($Million)
Table 87 Europe: Imports of Seeds, By Country, 2012 ($Million)
Table 88 Europe: Seed Market Size, By Trait Type, 2013–2020 ($Million)
Table 89 France: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 90 Germany: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 91 Italy: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 92 Turkey: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 93 Spain: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 94 The Netherlands: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 95 Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 96 Rest of Europe: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 97 Asia-Pacific: Seed Market Size, By Country, 2013–2020 ($Million)
Table 98 Asia-Pacific: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 99 Asia-Pacific: Export of Seeds, By Country, 2012 ($Million)
Table 100 Asia-Pacific: Import of Seeds, By Country, 2012, ($ Million)
Table 101 Asia-Pacific: Seed Market Size, By Trait, 2013–2020 ($Million)
Table 102 China: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 103 India: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 104 Japan: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 105 Australia: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 106 Rest of Asia-Pacific: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 107 Latin America: Seed Market Size, By Country, 2013–2020 ($Million)
Table 108 Latin America: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 109 Latin America: Export of Seeds, By Country, 2012, ($ Million)
Table 110 Latin America: Import of Seeds, By Country, 2012, ($ Million)
Table 111 Latin America: Seed Market Size, By Trait, 2013–2020 ($Million)
Table 112 Brazil: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 113 Argentina: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 114 Rest of Latin America: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 115 RoW: Seed Market Size, By Country, 2013–2020 ($Million)
Table 116 RoW: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 117 RoW: Export of Seeds, By Country, 2012, ($ Million)
Table 118 RoW: Import of Seeds, By Country, 2012, ($ Million)
Table 119 RoW: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 120 South Africa: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 121 Egypt: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 122 Other Countries in RoW: Seed Market Size, By Crop Type, 2013–2020 ($Million)
Table 123 Agreements, Partnerships, Joint Ventures & Collaborations, 2010–2015
Table 124 Expansions & Investments, 2010–2015
Table 125 New Product Launches, 2010–2015
Table 126 Mergers & Acquisitions, 2010–2015

List of Figures (77 Figures)

Figure 1 Seed Market Segmentation
Figure 2 Research Design
Figure 3 Arable Land, 1980-2012 (Million Hectares)
Figure 4 Arable Land, 1950–2020 (Hectares/Person)
Figure 5 Arable Land, By Country, 2012 (Hectares/Person)
Figure 6 Index of World Food Prices
Figure 7 Area Under Biotech Crops, 1996 - 2014 (Million Hectares)
Figure 8 Cost of Bringing New Product to the Market, 2011
Figure 9 Market Size Estimation Methodology: Bottom-Up Approach
Figure 10 Market Size Estimation Methodology: Top-Down Approach
Figure 11 Data Triangulation
Figure 12 Seed Market Snapshot (2015 vs. 2020)
Figure 13 Seed Market Size, By Region, 2013–2020 ($Million)
Figure 14 Seed Market Size, By Trait, 2015–2020 ($Million)
Figure 15 Seed Market Share (Value), By Region, 2014
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Seed Market by Type, Seed Trait & Region - Global Trends & Forecast to 2020
Web Address: http://www.researchandmarkets.com/reports/3275360/
Office Code: SCH351VX

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>□</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td>□</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td>□</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>□</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ______________________________________
Last Name: ______________________________________
Email Address: * _________________________________
Job Title: ______________________________________
Organisation: ___________________________________
Address: _______________________________________
City: ___________________________________________
Postal / Zip Code: ______________________________
Country: _______________________________________
Phone Number: _________________________________
Fax Number: _________________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number  833 130 83
Sort code  98-53-30
Swift code  ULSBIE2D
IBAN number  IE78ULSB98533083313083
Bank Address  Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp