Seed Treatments - 2015 Edition

Description: Seed Treatments - 2015 Edition special report covers different types of seed treatments - fungicides and insecticides - their advantages and disadvantages; formulation and application; market size; market drivers and restraints.

It specifically looks at seed treatments for major crops, including maize, soybeans, cereals and cotton.

The report also examines the main seed treatments of the top ten agchem companies and active ingredient profiles for around 30 fungicides and 10 insecticides used in seed treatments.

This is a thoroughly revised and updated edition of the previous edition (2012), by an established authority on seed treatments.

The report will help your business:

- Understand what are the advantages and disadvantages of seed treatments
- Examine what are the main seed treatments used by the top ten agchem companies
- Learn about the active ingredient profiles for fungicides and insecticides used in seed treatments

Contents:

About the author
Disclaimer

Executive Summary

1. Introduction to seed treatments
   1.1 Summary
   1.2 Scope of report
   1.3 Global seed industry
   1.4 History of seed treatments
   1.5 Size of the market
   1.6 Characteristics of seed treatments
   1.7 Advantages of seed treatments
   1.8 Disadvantages of seed treatments
   1.9 Market drivers
   1.10 Market restraints

2. Seed treatment by crop
   2.1 Summary
   2.2 Global crop areas
   2.3 Seed treatment sales
   2.4 Small-grain cereals
   2.4.1 Overview
   2.4.2 EU
   2.4.3 Russian Federation
   2.4.4 India
   2.4.5 China
   2.4.6 US
   2.5 Maize
   2.5.1 Overview
   2.5.2 US
   2.5.3 China
   2.5.4 Brazil
   2.6 Soybeans
   2.6.1 Overview
   2.6.2 US
2.6.3 Brazil
2.6.4 Argentina
2.7 Cotton
2.7.1 Overview
2.7.2 India
2.7.3 China
2.7.4 US

3. Formulation and application
3.1 Summary
3.2 Types of seed treatment formulations
3.2.1 Overview
3.2.2 Powder for dry seed treatment (DS)
3.2.3 Water dispersible powder for slurry seed treatment (WS)
3.2.4 Solution for seed treatment (LS)
3.2.5 Flowable concentrate for seed treatment (FS)
3.2.6 Others
3.3 Seed enhancement
3.3.1 Overview
3.3.2 Coatings
3.3.3 Pelleting
3.3.4 Conditioning
3.3.5 Priming
3.3.6 Colourants
3.4 Companies
3.4.1 Incotec
3.5 Equipment
3.5.1 Factors influencing choice
3.5.2 Types of seed treatment equipment
3.6 Customisation or prescription treating
3.7 Limiting dust-off
3.8 International Seed Federation

4. Control of diseases
4.1 Summary
4.2 Introduction
4.3 Disease groups
4.3.1 Damping-off and seedling blights
4.3.2 Root and foot rots
4.3.3 Smuts and bunts
4.3.4 Bacterial diseases
4.4 Disease sources
4.4.1 Seed-borne fungal diseases
4.4.2 Soil-borne fungal diseases
4.5 Crop diseases targeted by seed treatments
4.6 Active ingredients used as fungicides for seed treatments
4.7 Non-chemical control

5. Control of insects and other pests
5.1 Summary
5.2 Introduction
5.3 Pest targets
5.3.1 Soil-borne insects
5.3.2 Foliar feeding insects
5.3.3 Nematodes
5.4 Crop insect pests targeted by seed treatments
5.5 Active ingredients used as insecticides for seed treatments
5.6 Restrictions on fipronil
5.7 Restrictions on neonicotinoids
5.7.1 EU
5.7.2 US
5.7.3 Canada
6. Other types of seed treatment
   6.1 Summary
   6.2 Plant growth regulators (PGRs)
   6.3 Bird and animal repellents
   6.4 Herbicides
   6.5 Herbicide safeners
   6.6 Biological control agents
   6.7 Rhizobial inoculants
   6.8 Biostimulants
   6.9 Plant nutrients
   6.10 Others

7. Company profiles
   7.1 Summary
   7.2 Introduction
   7.3 Adama Agricultural Solutions
     7.3.1 Introduction
     7.3.2 Products
     7.3.3 R&D
     7.3.4 Strategy
   7.4 Arysta LifeScience
     7.4.1 Introduction
     7.4.2 Products
     7.4.3 Strategy
   7.5 BASF
     7.5.1 Introduction
     7.5.2 Products
     7.5.3 R&D
     7.5.4 Strategy
   7.6 Bayer CropScience
     7.6.1 Introduction
     7.6.2 Products
     7.6.3 R&D
     7.6.4 Strategy
   7.7 Dow AgroSciences
     7.7.1 Introduction
     7.7.2 Strategy
   7.8 DuPont
     7.8.1 Introduction
     7.8.2 Products
     7.8.3 R&D
     7.8.4 Strategy
   7.9 FMC
     7.9.1 Introduction
     7.9.2 Products
     7.9.3 R&D
     7.9.4 Strategy
   7.10 Monsanto
     7.10.1 Introduction
     7.10.2 Products
     7.10.3 R&D
     7.10.4 Strategy
   7.11 Nufarm
     7.11.1 Introduction
     7.11.2 Products
     7.11.3 Strategy
   7.12 Sumitomo Chemical, Valent USA Corp
     7.12.1 Introduction
     7.12.2 Products
     7.12.3 R&D
     7.12.4 Strategy
   7.13 Syngenta
     7.13.1 Introduction
7.13.2 Products
7.13.3 R&D
7.13.4 Strategy

8. Fungicides
8.1 Azoxystrobin
8.1.1 Chemistry
8.1.2 Uses
8.1.3 Registration
8.1.4 Uses as a seed treatment
8.2 Captan
8.2.1 Chemistry
8.2.2 Uses
8.2.3 Registration
8.2.4 Uses as a seed treatment
8.3 Carbendazim
8.3.1 Chemistry
8.3.2 Uses
8.3.3 Registration
8.3.4 Uses as a seed treatment
8.4 Carboxin
8.4.1 Chemistry
8.4.2 Uses
8.4.3 Registration
8.4.4 Uses as a seed treatment
8.5 Difenoconazole
8.5.1 Chemistry
8.5.2 Uses
8.5.3 Registration
8.5.4 Uses as a seed treatment
8.6 Fludioxonil
8.6.1 Chemistry
8.6.2 Uses
8.6.3 Registration
8.6.4 Uses as a seed treatment
8.7 Fluopyram
8.7.1 Chemistry
8.7.2 Uses
8.7.3 Registration
8.7.4 Uses as a seed treatment
8.8 Fluoxastrobin
8.8.1 Chemistry
8.8.2 Uses
8.8.3 Registration
8.8.4 Uses as a seed treatment
8.9 Fluquinconazole
8.9.1 Chemistry
8.9.2 Uses
8.9.3 Registration
8.9.4 Uses as a seed treatment
8.10 Flutriafol
8.10.1 Chemistry
8.10.2 Uses
8.10.3 Registration
8.10.4 Uses as a seed treatment
8.11 Fluxapyroxad
8.11.1 Chemistry
8.11.2 Uses
8.11.3 Registration
8.11.4 Uses as a seed treatment
8.12 Imazalil
8.12.1 Chemistry
8.12.2 Uses
8.25.1 Chemistry
8.25.2 Uses
8.25.3 Registration
8.25.4 Uses as a seed treatment
8.26 Silthiofam
8.26.1 Chemistry
8.26.2 Uses
8.26.3 Registration
8.26.4 Uses as a seed treatment
8.27 Tebuconazole
8.27.1 Chemistry
8.27.2 Uses
8.27.3 Registration
8.27.4 Uses as a seed treatment
8.28 Thiabendazole
8.28.1 Chemistry
8.28.2 Uses
8.28.3 Registration
8.28.4 Uses as a seed treatment
8.29 Thiram
8.29.1 Chemistry
8.29.2 Uses
8.29.3 Registration
8.29.4 Uses as a seed treatment
8.30 Triadimenol
8.30.1 Chemistry
8.30.2 Uses
8.30.3 Registration
8.30.4 Uses as a seed treatment
8.31 Trifloxystrobin
8.31.1 Chemistry
8.31.2 Uses
8.31.3 Registration
8.31.4 Uses as a seed treatment
8.32 Triticonazole
8.32.1 Chemistry
8.32.2 Uses
8.32.3 Registration
8.32.4 Uses as a seed treatment

9. Insecticides
9.1 Abamectin
9.1.1 Chemistry
9.1.2 Uses
9.1.3 Registration
9.1.4 Uses as a seed treatment
9.2 Chlorpyrifos
9.2.1 Chemistry
9.2.2 Uses
9.2.3 Registration
9.2.4 Uses as a seed treatment
9.3 Clothianidin
9.3.1 Chemistry
9.3.2 Uses
9.3.3 Registration
9.3.4 Uses as a seed treatment
9.4 Fipronil
9.4.1 Chemistry
9.4.2 Uses
9.4.3 Registration
9.4.4 Uses as a seed treatment
9.5 Imidacloprid
9.5.1 Chemistry
9.5.2 Uses
9.5.3 Registration
9.5.4 Uses as a seed treatment
9.6 Methiocarb
9.6.1 Chemistry
9.6.2 Uses
9.6.3 Registration
9.6.4 Uses as a seed treatment
9.7 Permethrin
9.7.1 Chemistry
9.7.2 Uses
9.7.3 Registration
9.7.4 Uses as a seed treatment
9.8 Tefluthrin
9.8.1 Chemistry
9.8.2 Uses
9.8.3 Registration
9.8.4 Uses as a seed treatment
9.9 Thiamethoxam
9.9.1 Chemistry
9.9.2 Uses
9.9.3 Registration
9.9.4 Uses as a seed treatment
9.10 Thiodicarb
9.10.1 Chemistry
9.10.2 Uses
9.10.3 Registration
9.10.4 Uses as a seed treatment

Appendix A - Abbreviations

Tables & Figures:
Table 1: Estimated value of commercial domestic seed market for selected countries (2011)
Table 2: China's use of seed treatments by crop, 2010
Table 3: Global seed production, area harvested and production for major crops, 2013
Table 4: Some maize seed treatments from seed merchants in the US
Table 5: Seed treatment formulation codes
Table 6: Major formulation types applied as seed treatments
Table 7: Seed coating and the weight of the seed
Table 8: Important crop fungal diseases controlled by seed treatments
Table 9: Fungicides commonly used in seed treatment products
Table 10: Important crop insect pests controlled by seed treatments
Table 11: Insecticides commonly used in seed treatment products
Table 12: Plant mineral deficiencies and selected nutrients
Table 13: Adama's main seed treatment products
Table 14: Arysta's main seed treatment products
Table 15: BASF's main seed treatment products
Table 16: Bayer CropScience's SeedGrowth sales, 2007-2014
Table 17: Bayer CropScience's main seed treatment products
Table 18: DuPont's main seed treatment products
Table 19: FMC's main seed treatment products
Table 20: Monsanto's main seed treatment products
Table 21: Nufarm's sales - Total, Seed Technology and Seed Treatment, 2012-14
Table 22: Nufarm's main US seed treatment products
Table 23: Sumitomo Chemical's main seed treatment products
Table 24: Syngenta's Crop Protection and Seedcare sales, 2007-2014
Table 25: Syngenta's main seed treatment products
Table 26: BASF's main pyraclostrobin seed treatment products
Table 27: BASF's main triticonazole seed treatment products
Figure 1: US commodity prices (maize, soybeans and wheat) (1996-2014)
Figure 2: Global sales of seed treatments by crop, 2011
Figure 3: Global wheat harvested area and production, 2013
Figure 4: Global barley harvested area and production, 2013
Figure 5: Global maize harvested area and production, 2013
Figure 6: Global soybean harvested area and production, 2013
Figure 7: Global cotton harvested area and production, 2013

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3519085/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
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 Treatments - 2015 Edition
Web Address: http://www.researchandmarkets.com/reports/3519085/
Office Code: SCPL8BNU

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

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>USD 2030</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>USD 12110</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

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World