Before using any crop protection product, you should read and carefully follow directions, cautionary statements, and other information appearing on the product label. Our technical information is based on extensive testing and is, to the best of our current knowledge, true and accurate but given without warranty as the conditions of use and storage are beyond our control. Descriptions and property data of the product do not contain any statement as to liability for possible damage.
Our most important objective is to provide innovative and sustainable seed coating solutions which will meet or exceed our customers’ expectations. We are continuously improving our tailor made products and published information in the SeedGrowth® website with the aim to increase both transparency and clarity for farmers and other stakeholders. Under Peridiam trade mark we concentrate the cutting hedge technology of coatings to enhance seeds handling and performance.

Thanks to its new portfolio structure, Peridiam makes it very easy for all our partners in the seed treatment value chain to find the right solution for their specific needs. No matter the conditions under which they grow or which crops they sow – they’ll always profit from our decades of expertise and high quality standards in seed-applied technologies. So, browse our new Peridiam brand catalog 2018 and give your crops the best possible start!

Robert Zerrouk  
Bayer SeedGrowth  
Coatings Director

Martin Gruss  
Global Head  
Bayer SeedGrowth

A STRONG UMBRELLA BRAND

EDITORIAL

PERIDIAM®

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As an integral part of Bayer SeedGrowth®, we always strive to provide you with the highest-quality seed coatings by applying strict tests during the various stages of product development. That’s why we can achieve defined levels of performance in terms of dust control, flowability, sowability, abrasion resistance, seed coverage, and the active ingredient content on individual seeds.

Heubach test:
This internationally recognized test measures dust emission levels. The test results clearly show how our seed coatings reduce dust emissions and active ingredient losses from abrasion.

Turbula test:
This internal test determines the total amount of dust caused by abrasion, in that it simulates the rough handling of treated seed. With these tests, we regularly monitor the reliability of our Peridiam® seed coatings to ensure our extremely high quality standards are always met.

Flowability test:
This computer-assisted test checks the ability of a seed to pass through an application machine easily without sticking or caking. To that end, we measure the force that is needed to overcome the seed’s resistance to move around the probe. The lower the required force, the better the seed flows – and the more accurate our customer’s plant can be.

Sowability & plantability tests:
These tests measure the ability of treated seeds to be sown with accuracy in various conditions thanks to a drilling bench equipped with several mechanical or pneumatic planters. The choice of the planter depends on the crop. For corn, for example, the measure is based on the sowing of 4000 seeds; it determines the single seeds, and the inaccuracies (e.g.: missing seeds, double seed drops, broken seeds etc.)
The new Peridiam® portfolio structure, with its three product lines, Quality, Extra, and Active, offers specific seed coating solutions tailored to different crops, climates, cultivation conditions, and market needs.

No matter which product line you choose, you will always be opting for improved adhesion and excellent coverage on every seed. This ensures that all active compounds stay on the seed and help it grow into a strong and healthy plant that can thrive to its full genetic potential.

Have a look at our Peridiam portfolio – its new structure makes it very easy for you to find the optimal seed coating solution you need for your specific demand.

Peridiam® Quality
Highest-quality seed coatings with proven performance

Peridiam® Extra
Specific solutions for demanding conditions

Peridiam® Active
A better start through innovation

Covering the needs of seeds:

- Crop efficiency
- Micronutrients

- Resistance to high abrasion
- Performance under cold conditions
- Increased seed surface

- Dust control and adhesion
- Flowability and sowability
- Visual appearance

- Peridiam Active
  Seed coatings with additional value-adding benefits to give seeds and young plants a better start.

- Peridiam Extra
  Specifically designed seed coatings to provide solutions for challenging process-, equipment- or climate-related conditions.

- Peridiam Quality
  Highest standards in seed coatings, proven performance based on decades of experience and expertise.
**Peridiam® Active Line**

- **Crop** | **Product** | **Colour** | **Added value** | **Page**
- Corn | Peridiam® Active 315 | red | seed coating with micronutrients inside to promote early plant development | 10
- Corn | Peridiam® Active 314 | colourless | seed coating with micronutrients inside to promote early plant development, colour flexibility | 10
- Cereals | Peridiam® Active 109 | red | seed coating with micronutrients inside to promote early plant development | 14
- Cereals | Peridiam® Active 110 | colourless | seed coating with micronutrients inside to promote early plant development | 14
- Cotton | Peridiam® Active 314 | colourless | seed coating with micronutrients inside to promote early plant development, colour flexibility | 20

**Peridiam® Extra Line**

- **Crop** | **Product** | **Colour** | **Added value** | **Page**
- Corn | Peridiam® Extra 311 | red | resistance to high abrasion, shiny | 10
- Corn | Peridiam® Extra 317 | red | resistance to high abrasion, very shiny | 10

**Peridiam® Quality Line**

- **Crop** | **Product** | **Colour** | **Added value** | **Page**
- Corn | Peridiam® Quality 316 | red | strong red colour, flowability/plantability | 10
- Corn | Peridiam® Quality 309 | red | flowability/plantability | 10
- Corn | Peridiam® Quality 310 | blue | flowability/plantability | 10
- Corn | Peridiam® Quality 042 | blue | shiny colour, coverage | 10
- Corn | Peridiam® Quality 1006 | colourless | EPA-compliant seed coating | 10
- Corn | Peridiam® Quality 312 | colourless | colour flexibility | 10
- Corn | Peridiam® Quality 1007 | colourless | dust control, EPA-compliant seed coating | 10
- Soybean | Peridiam® Quality 306 | blue | very good coverage and high colour intensity | 12
- Soybean | Peridiam® Quality 010 | blue | shiny colour and good coverage | 12
- Soybean | Peridiam® Quality 307 | green | very good coverage and high colour intensity | 12
- Soybean | Peridiam® Quality 313 | colourless | colour flexibility | 12
- Soybean | Peridiam® Quality 316 | red | strong red colour, flowability/plantability | 12
- Soybean | Peridiam® Quality 1010 | colourless | EPA-compliant seed coating | 12
- Cereals | Peridiam® Quality 107 | red | very high dust control compared to market standards | 14

**PORTFOLIO OVERVIEW**

- **Crop** | **Product** | **Colour** | **Added value** | **Page**
- Cereals | Peridiam® Quality 103 | red | high dust control | 14
- Cereals | Peridiam® Quality 108 | silver | strong shiny and silver finish to get a visual differentiation, flowability/plantability | 14
- Cereals | Peridiam® Quality 111 | colourless | high flowability/plantability, dust control | 14
- Oilseed Rape | Peridiam® Quality 208 | blue | high dust control, good coverage | 16
- Oilseed Rape | Peridiam® Quality 004 | colourless | high dust control | 16
- Sunflower | Peridiam® Quality 005 | red | high colour intensity | 18
- Sunflower | Peridiam® Quality 010 | blue | high colour intensity | 18
- Sunflower | Peridiam® Quality 207 | silver/blue | flowability/plantability | 18
- Sunflower | Peridiam® Quality 205 | silver/red | flowability/plantability | 18
- Sunflower | Peridiam® Quality 1006 | colourless | EPA-compliant seed coating | 18
- Cotton | Peridiam® Quality 301 | violet | very good coverage and colour intensity | 20
- Cotton | Peridiam® Quality 306 | blue | very good coverage and colour intensity | 20
- Cotton | Peridiam® Quality 010 | blue | very good and shiny coverage | 20
- Cotton | Peridiam® Quality 307 | green | very good coverage and colour intensity | 20
- Cotton | Peridiam® Quality 009 | colourless | very high dust control | 20
- Cotton | Peridiam® Quality 003 | colourless | good coverage and shiny finish | 20
- Rice – Dry seeded | Peridiam® Quality 306 | blue | high coverage, high colour intensity | 21
- Rice – Dry seeded | Peridiam® Quality 102 | blue | good coverage and colour intensity | 21
- Rice – Dry seeded | Peridiam® Quality 307 | green | high coverage, high colour intensity | 21
- Rice – Soaked rice | Peridiam® Quality 104 | colourless | high dust control, retention of SGR product to rice seed during soaking | 21
- Rice – Soaked rice | Peridiam® Quality 009 | colourless | Very high dust control, retention of SGR product to rice seed during soaking. Easy to handle thanks to its low viscosity | 21
- Vegetables | Peridiam® Quality 002 | red | very good coverage and colour intensity, flowability/plantability | 22
- Vegetables | Peridiam® Quality 042 | blue | shiny coverage | 22
- Vegetables | Peridiam® Quality 045 | green | high dust control | 22
- Pasture | Peridiam® Quality 009 | colourless | High dust control and colour flexibility | 23
- Pasture | Peridiam® Quality 003 | colourless | High dust control, good coverage and colour flexibility | 23
Peridiam® Active Line

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Active 315</td>
<td>red</td>
<td>2 to 3 L/T</td>
<td>seed coating with micronutrients inside to promote early plant development</td>
<td>With Zinc and Boron Not adapted to insecticide seed treatment (exception: usable with Sonido)</td>
</tr>
<tr>
<td>Peridiam® Active 314</td>
<td>colourless</td>
<td>2 to 3 L/T</td>
<td>seed coating with micronutrients inside to promote early plant development, colour flexibility</td>
<td>With Zinc and Boron Not adapted to insecticide seed treatment</td>
</tr>
</tbody>
</table>

Peridiam® Extra Line

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>resistance to high abrasion, shiny</th>
<th>NEW!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Extra 311</td>
<td>red</td>
<td>1 to 3 L/T</td>
<td>NEW!</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Extra 317</td>
<td>red</td>
<td>1 to 3 L/T</td>
<td>resistance to high abrasion, very shiny</td>
<td>NEW!</td>
</tr>
</tbody>
</table>

Peridiam® Quality Line

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>strong red colour, flowability/plantability</th>
<th>NEW!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Quality 316</td>
<td>red</td>
<td>1 to 3 L/T</td>
<td>NEW!</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 309</td>
<td>red</td>
<td>1 to 3 L/T</td>
<td>flowability/plantability</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 310</td>
<td>blue</td>
<td>1 to 3 L/T</td>
<td>flowability/plantability</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 042</td>
<td>blue</td>
<td>1.5 to 3 L/T</td>
<td>shiny colour, coverage</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 1006</td>
<td>colourless</td>
<td>2 to 6 fl. oz./cwt</td>
<td>1/4 to 30 mL/100 kg</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 312</td>
<td>colourless</td>
<td>1.5 to 3 L/T/2 5 fl. oz./cwt</td>
<td>colour flexibility</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 1007</td>
<td>colourless</td>
<td>0.6 to 1.5 L/oz.</td>
<td>dust control, EPA-compliant seed coating</td>
<td></td>
</tr>
</tbody>
</table>

**ABRASION CONTROL**

Peridiam® Extra 311 is part of the Peridiam® Extra line, a line which offers seed coatings specifically designed to provide solutions for challenging process-, equipment- or climate-related conditions.

**ADDED VALUE**

Peridiam® Extra 311 was initially designed to perform under cold conditions. This seed coating shows a clear and measurable resistance to abrasion during and after treatment. No matter if the storage, treatment or sowing are made at temperatures below 0°C, the result is that the look of your seeds will still be perfect after abrasion.

This new coating also provides superior performance regarding flowability and plantability. This particularity ensures avoiding caking after treatment.

One key attribute of this new seed coating is its red shiny colouration and its great coverage. This shininess definitely reflects the high value of the seed in the blink of an eye.

**FLOWABILITY**

Please note: the higher the test results, the better the flowability % compared to the reference

<table>
<thead>
<tr>
<th>Test Results</th>
<th>Reference</th>
<th>Treatment + Peridiam Extra 311 (1.5 L/T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>Treatment</td>
<td>Treatment + Peridiam Extra 311 (1.5 L/T)</td>
</tr>
<tr>
<td>80</td>
<td></td>
<td>Treatment: Influx XL (1 L/T) + Mesurol FLO (150 mL/Dose)</td>
</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

- Red shiny seed coating
- No need for fluency powders
- Dose rate: 1 to 3 L/T

Seeds treated with Influx® XL + Mesurol® FLO + Peridiam Extra 311 before abrasion

Seeds treated with Influx® XL + Mesurol® FLO + Peridiam Extra 311 after abrasion
**Peridiam® Quality Line**

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Quality 306</td>
<td>blue</td>
<td>1 to 2 L/T</td>
<td>very good coverage and high colour intensity</td>
<td>Green version: Peridiam® Quality 307, Slightly shiny</td>
</tr>
<tr>
<td>Peridiam® Quality 010</td>
<td>blue</td>
<td>1 to 3 L/T</td>
<td>shiny colour and good coverage</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 307</td>
<td>green</td>
<td>1 to 2 L/T</td>
<td>very good coverage and high colour intensity</td>
<td>Blue version: Peridiam Quality 306 Slightly shiny</td>
</tr>
<tr>
<td>Peridiam® Quality 313</td>
<td>colourless</td>
<td>1 to 2 L/T</td>
<td>colour flexibility</td>
<td></td>
</tr>
<tr>
<td>Peridiam® Quality 316</td>
<td>red</td>
<td>2 L/T</td>
<td>strong red colour, flowability/plantability</td>
<td>NEW!</td>
</tr>
<tr>
<td>Peridiam® Quality 1010</td>
<td>colourless</td>
<td>1 to 3 fl. oz./cwt</td>
<td>EPA-compliant seed coating</td>
<td>For the NA market</td>
</tr>
</tbody>
</table>

**SPECIAL FOCUS**

**VERY GOOD COVERAGE AND COLOUR INTENSITY**

Peridiam® Quality 306 is part of the Peridiam® Quality line – a product range that delivers the highest standards in seed coatings, delivers proven performance based on decades of experience and expertise, and is supplied by people you can trust.

**ADDED VALUE**

Thanks to the use of Peridiam Quality 306, the seed’s colouration and coverage is more consistent and uniform. Indeed, Peridiam Quality 306 enables the seed’s *differentiation through colouration* and helps distinguish between varieties.

In regard to coverage, Peridiam Quality 306 offers a perfect *spotless coverage* of every single seed, ensuring the product stays on the seed surface.

In addition to its excellent performance in colouration and coverage, Peridiam Quality 306 even provides good dust control and flowability. Talkum Gloss is recommended for use in combination with Peridiam Quality 306 when the total volume of slurry is above 8 L/T. It increases the flowability of treated seeds, thereby reducing the attrition the seeds are exposed to. Therefore, Talkum Gloss participates in the drying of the seeds while still in the bowl, avoiding this caking effect. Peridiam® Quality 306 maintains the Talkum Gloss on the seeds until planting.

**TECHNICAL FEATURES**

- Blue seed coating
- Dose rate: 1 to 2 L/T
- Recommended for use with a solid powder such as Talkum Gloss

Seeds treated with Derosal® PLUS 2 L/T + CropStar® 600 FS BLUE 5 L/T only

Seeds treated with Derosal PLUS 2 L/T + CropStar 600FS BLUE 5 L/T + Peridiam Quality 306
### CEREALES

#### SPECIAL FOCUS

**SEED COATING WITH MICRONUTRIENTS INSIDE**

Peridiam® Active 110 is part of the Peridiam® Active line, which comprises our high-performance seed coatings and provides additional value-added benefits to give seeds and young plants a better start through innovation.

### ADDED VALUE

Peridiam Active 110 is a seed coating dedicated to cereal seeds and is designed with micronutrients: Manganese, Zinc and Molybdenum. This product is the colourless version of Peridiam Active 109. The micronutrients support early plant development and thus create a real added value compared to a conventional seed coating. Micronutrients used as seed-treatment are giving the plants a better start and faster early plant-development. If stress conditions appear (climatic events, poor soil properties, etc.) the crop can find the key micronutrients for its first growth steps in the seed coating. In addition to its crop efficiency characteristics, Peridiam Active 110 performs well in terms of dust control. It maintains the dust level under the critical threshold.

### HEUBACH TEST

Dust control on wheat seeds g dust/100 kg

<table>
<thead>
<tr>
<th>Treatment</th>
<th>0.82</th>
<th>0.33</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment without seed coating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Treatment + Peridiam Active 110 (1 ml/kg)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TECHNICAL FEATURES

- Colourless seed coating
- Micronutrients: Mn 13 g/L, Zn 6.5 g/L and Mo 0.7 g/L
- Dose rate: 1 L/T

### SPECIAL FOCUS

**A PERFECT FLOWABILITY**

**ADDED VALUE**

Peridiam® Quality 111 is our brand new seed coating for cereal seeds. It is the perfect product if you are looking for a very good level of flowability and sowability. The comparison with current market standards and with our other coatings dedicated to cereals really shows a clear advantage in terms of flowability.

Its characteristics regarding dust control are also very competitive and allows for a very good limitation of dust emissions.

### FLOWABILITY

<table>
<thead>
<tr>
<th>% compared to the reference</th>
<th>115</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>115</td>
</tr>
<tr>
<td>115</td>
<td>106</td>
</tr>
<tr>
<td>110</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Treatment</th>
<th>115</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment: Redigo® (1 L/T)</td>
<td></td>
</tr>
</tbody>
</table>
Peridiam® Quality 208 is part of the Peridiam® Quality line – a product range that delivers the highest standards in seed coatings, delivers proven performance based on decades of experience and expertise, and is supplied by people you can trust.

ADDED VALUE

Peridiam Quality 208 offers impressive characteristics in terms of dust reduction and coverage.

Thanks to Peridiam Quality 208, dust emissions can be reduced significantly. It therefore ensures that all active ingredients of the seed treatment stay on the seed surface: the place where they have to be. Dust emission (g/q) decreases significantly in comparison to a treated seed without any seed coating.

Peridiam Quality 208 also provides a high level of coverage. Indeed, this seed coating offers an even distribution of your seed treatment on the grain. Its blue attractive colouration also guarantees your treatment differentiation.

HEUBACH TEST

Dust control on seeds g/q

<table>
<thead>
<tr>
<th>0.9</th>
<th>0.8</th>
<th>0.7</th>
<th>0.6</th>
<th>0.5</th>
<th>0.4</th>
<th>0.3</th>
<th>0.2</th>
<th>0.1</th>
<th>0.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
<td>0.4</td>
<td>0.5</td>
<td>0.6</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
</tr>
</tbody>
</table>

Treatment with market standard (5 g/kg) + Peridiam Quality 208 (5 g/kg)
Peridiam® Quality 205 is part of the Peridiam® Quality line – a product range that delivers the highest standards in seed coatings, delivers proven performance based on decades of experience and expertise, and is supplied by people you can trust.

**ADDED VALUE**

Peridiam Quality 205 is recommended due to its high performance in the flowability and plantability.

Thanks to Peridiam Quality 205, the flowability of the treated seeds can be improved significantly. That means Peridiam Quality 205 ensures that all seeds can easily flow from the treater into the packaging line and into the sowing machine to get accurate plantability.

Peridiam Quality 205 also provides a high level of coverage to ensure that all active ingredients stay on the seed. Peridiam Quality 205, as part of our Peridiam Quality line, also performs well in terms of dust control to ensure the safety of the environment and the operator.

**TECHNICAL FEATURES**

- Silver/red seed coating
- Low viscosity
- Dose rate: 3 to 9 L/T

<table>
<thead>
<tr>
<th>Peridiam® Quality Line</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Quality 005</td>
<td>red</td>
<td>3 to 9 L/T</td>
<td>high colour intensity</td>
<td>Blue version: Peridiam® Quality 010</td>
</tr>
<tr>
<td>Peridiam® Quality 010</td>
<td>blue</td>
<td>3 to 9 L/T</td>
<td>high colour intensity</td>
<td>Red version: Peridiam® Quality 005</td>
</tr>
<tr>
<td>Peridiam® Quality 207</td>
<td>silver/blue</td>
<td>3 to 9 L/T</td>
<td>flowability/plantability</td>
<td>Not adapted to insecticide seed treatment</td>
</tr>
<tr>
<td>Peridiam® Quality 205</td>
<td>silver/red</td>
<td>3 to 9 L/T</td>
<td>flowability/plantability</td>
<td>Not adapted to insecticide seed treatment</td>
</tr>
<tr>
<td>Peridiam® Quality 1006</td>
<td>colourless</td>
<td>5 fl. oz./cwt., 326 ml/100 kg</td>
<td>EPA-compliant seed coating</td>
<td>For the NA market</td>
</tr>
</tbody>
</table>

**SPECIAL FOCUS**

VERY GOOD FLOWABILITY PERFORMANCE

Peridiam® Quality 205 is part of the Peridiam® Quality line – a product range that delivers the highest standards in seed coatings, delivers proven performance based on decades of experience and expertise, and is supplied by people you can trust.
### Peridiam® Active Line

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Active 314</td>
<td>colourless</td>
<td>2 L/T</td>
<td>Seed coating with micronutrients inside to promote early plant development, colour flexibility</td>
<td>With Zinc and Boron. Not adapted to insecticide seed treatment</td>
</tr>
</tbody>
</table>

### Peridiam® Quality Line

#### Cotton

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Quality 301</td>
<td>violet</td>
<td>3 to 6 L/T</td>
<td>very good coverage and colour intensity</td>
<td>Blue version: Peridiam® Quality 301 To be used with fluency powders, see page 24</td>
</tr>
<tr>
<td>Peridiam® Quality 306</td>
<td>blue</td>
<td>3 to 6 L/T</td>
<td>very good coverage and colour intensity</td>
<td>Green version: Peridiam® Quality 306 To be used with fluency powders, see page 24</td>
</tr>
<tr>
<td>Peridiam® Quality 010</td>
<td>blue</td>
<td>3 to 6 L/T</td>
<td>very good shiny coverage</td>
<td>Violet version: Peridiam® Quality 010 To be used with fluency powders, see page 24</td>
</tr>
<tr>
<td>Peridiam® Quality 307</td>
<td>green</td>
<td>3 to 6 L/T</td>
<td>very good coverage and colour intensity</td>
<td>Blue version: Peridiam® Quality 307 To be used with fluency powders, see page 24</td>
</tr>
<tr>
<td>Peridiam® Quality 009</td>
<td>colourless</td>
<td>2 L/T</td>
<td>high dust control, retention of SGR product to rice seed during soaking</td>
<td>Specialty product for treatment of rice seed at seed company or seed distributor level. Exclusive with Routine and Routine start</td>
</tr>
<tr>
<td>Peridiam® Quality 003</td>
<td>colourless</td>
<td>3 to 6 L/T</td>
<td>good coverage and shiny finish</td>
<td>Usable with recommended colour from Bayer SeedGrowth™</td>
</tr>
</tbody>
</table>

#### Rice

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>Dose rate (range)</th>
<th>Added value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peridiam® Quality 306</td>
<td>blue</td>
<td>6 to 10 L/T</td>
<td>high coverage, high colour intensity</td>
<td>Green version: Peridiam® Quality 306</td>
</tr>
<tr>
<td>Peridiam® Quality 102</td>
<td>blue</td>
<td>3 to 6 L/T</td>
<td>good coverage and colour intensity</td>
<td>Not adapted to insecticide seed treatment</td>
</tr>
<tr>
<td>Peridiam® Quality 307</td>
<td>green</td>
<td>6 to 10 L/T</td>
<td>high coverage, high colour intensity</td>
<td>Blue version: Peridiam® Quality 306</td>
</tr>
<tr>
<td>Peridiam® Quality 009</td>
<td>colourless</td>
<td>2 L/T</td>
<td>high dust control, retention of SGR product to rice seed during soaking</td>
<td>Specialty product for treatment of rice seed at seed company or seed distributor level. Exclusive with Routine and Routine start</td>
</tr>
<tr>
<td>Peridiam® Quality 003</td>
<td>colourless</td>
<td>3 to 6 L/T</td>
<td>good coverage and shiny finish</td>
<td>Usable with recommended colour from Bayer SeedGrowth™</td>
</tr>
</tbody>
</table>

**Dry seeded rice**

**Wet seeded/soaked rice – Last year to plan orders**
The Certop® brand is fully dedicated to specific seed coatings that are developed for use with a seed treatment process, including simultaneous drying (e.g., Certop Process). It is a high-level technology that allows an excellent reduction of dust emission and 100% coverage.
Our comprehensive seed coating portfolio offers you a number of additional products tailored to your specific demands.

Meeting all your needs
Fluency powders reduce seed-to-seed friction and improve planting uniformity. Our portfolio gives you a choice of ten fluency powders.

<table>
<thead>
<tr>
<th>Fluency Powder</th>
<th>Colour</th>
<th>Crop</th>
<th>Dose rate</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talcum Gloss</td>
<td>colourless</td>
<td>Corn, soybean, cotton</td>
<td>1 to 3 kg/T (corn)</td>
<td>Corn: optional, improved flowability</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 to 2 kg/T (soybean)</td>
<td>Soybean: prolongs Rhizobium japonicum survival</td>
</tr>
<tr>
<td>Fluency Red FP27011</td>
<td>red</td>
<td>Cotton</td>
<td>1 to 4 kg/T</td>
<td>Cotton: dose rate to be adjusted with the slurry</td>
</tr>
<tr>
<td>Fluency Green FP24004</td>
<td>green</td>
<td>Oilseed rape, cotton</td>
<td>8 to 15 kg/T (OSR)</td>
<td>Oilseed rape: Associated with a seed coating to improve the flowability of treated seeds</td>
</tr>
<tr>
<td>Fluency Orange FP27008</td>
<td>orange</td>
<td>Oilseed rape, cotton</td>
<td>8 to 15 kg/T (OSR)</td>
<td>Anti-caking solution</td>
</tr>
<tr>
<td>Fluency Blue FP24003</td>
<td>blue</td>
<td>Oilseed rape</td>
<td>8 to 15 kg/T</td>
<td>Associated with a seed coating to improve the flowability of treated seeds</td>
</tr>
<tr>
<td>Fluency Green FP29005</td>
<td>green</td>
<td>Oilseed rape</td>
<td>8 to 15 kg/T</td>
<td>Anti-caking solution</td>
</tr>
<tr>
<td>Fluency Violet FP601</td>
<td>violet</td>
<td>Oilseed rape</td>
<td>8 to 15 kg/T</td>
<td>Excellent coverage and colouration of the seeds</td>
</tr>
<tr>
<td>Fluency Yellow FP602</td>
<td>yellow</td>
<td>Oilseed rape</td>
<td>8 to 15 kg/T</td>
<td>Shiny finish of treated seeds</td>
</tr>
</tbody>
</table>

Colours boost product recognition
We have eight COLOURs in our portfolio. We recommend a large range of pigments that provide a strong colour intensity to go with your Peridiam® seed coating. These COLOURs are aqueous dispersions of pigments that are usable either in slurry or as pure products in co-application.

Consider the original colour of your seeds and seed treatment in the final asset of your treated seeds. Please contact your sales representative or Bayer SeedGrowth® application specialist to work on the best visual appearance for your seeds.
At Bayer, we place the highest priority on the safe use of all our products. Seed coatings are no exception. That is why we have produced these guidelines for the application, handling and storage of seed coatings.

PROPER HANDLING AND STORAGE

Our seed coatings can be used either as pure product in co-application or in tank mix. Use the recommended dose rate. Always read and follow label instructions.

Place the drum of seed coating under moderate stirring for 30 minutes before usage (no additional stirring is required if used within 3 days).

For use of seed coating in slurry:
• Always stir the seed coating before use.
• Close packaging after use and keep it closed when not in use.
• To prepare the slurry, add products in the following order:
  - Introduce the seed coating into 80% of the desired water quantity
  - Add seed treatment products
  - Complete with the last 20% of water
Continuous stirring during treatment of the seeds will guarantee the homogeneity of the slurry.

Warning:
The slurry, prepared in such conditions, has to be used in the following 3 days.

Storage:
Store the seed coatings under cool and dry conditions, avoiding humidity and temperatures under 0°C and above 40°C. Under these conditions, our seed coatings can be stored for at least 1 year.

Additional information: method of use of fluency powder
• Pour the fluency powder into the hopper of the powder feeder.
• After spraying all liquid formulations, apply the fluency powder to the seeds and mix them in the seed treater.

Storage of fluency powder:
Store the seed coatings in cool and dry conditions, avoiding humidity and temperatures under 0°C and above 40°C. Under these conditions, our seed coatings can be stored for at least 1 year.

SAFE USE IN SEED TREATMENT

General recommendations
• Do not use for human or animal consumption.
• Keep out of reach of children, livestock and wildlife.
• Do not contaminate surface water or ditches.
• Keep away from food, drink and animal feeding stuffs.

Before application
• Follow label recommendations and directions for handling, including the treatment procedure and safety requirements.
• Wear suitable protective equipment during the preparation of the application mixture. During/when mixing/loading seed coatings, wear gloves, glasses and protective overalls. For the preparation of the application mixture with fluency powders, a mask must be added to the personal protective equipment.
• Seed treatment equipment must be checked and calibrated regularly to ensure accurate and safe application.
• Use well-cleaned seed to avoid creation of dust that has the potential to affect the operators or the environment.

During application
• When using, do not eat, drink, or smoke.
• Use the correct personal protective equipment adapted to your application system.
• Use Bayer SeedGrowth® seed coatings and pigments according to recommendations.
• Follow the recipe indicated on the label or in technical brochures.
• Treat only by using confirmed recipes.
• Apply seed treatment only with professional equipment and skilled personnel.
• Avoid spillage; any spillages must be thoroughly cleaned up to avoid contaminating the environment and waterways.

After application
• Keep the seed coating only in its original container.
• Wear gloves when you handle the treated seeds.
• Clean your seed treatment equipment regularly. Protect yourself in a proper way during cleaning.
• Wash your hands. The protection equipment must be cleaned regularly.

Afterwards, for treated seeds, follow the treated seed handling recommendations.