

QUALITY SHINES.

QUALITY WORKS.

LANXESS
Energizing Chemistry

Agriculture solutions for seeds

Seed coloration with LANXESS pigment dispersions and dyes

Colored seed coating helps farmers to increase planting accuracy and identify pesticide-treated seeds, as required by different country-specific regulations. For example, the US Environmental Protection Agency (EPA) requires all seeds to be color-coded in order to prevent inadvertent use in the food or feed market. Moreover, color can provide a differentiating and enhanced seed appearance.

The LANXESS business unit Rhein Chemie offers a wide variety of products suitable for the coloration of agricultural seeds and ready-to-use pastes:

- **Solfort™ Red BBW-AL 01** (powder pigment)
- **Levanyl®** and **Levanyl® X**
(aqueous dispersions of organic pigments)
- **Levanox®** (aqueous dispersions of inorganic pigments)

X_Levanox® **X_Levanyl®**

Product properties and benefits

Specified product properties

For each pigment dispersion, properties such as color strength (+/-5%), color shade ($dE < 1$), pH value, and viscosity are specified.

Facilitates production process

Use of pigment dispersions with low viscosity allows an easy, exact and, dust-free dosing in the production process.

No further additives

We offer water-based pigment dispersions without binders and resins in order to achieve a higher compatibility with customer systems.

Strong resistance

Our pigment dispersions show strong light and weather fastness and high resistance to alkalis and acids.

Made in Germany

All pigment dispersions are developed and produced in Germany.

Full portfolio for seed coloration

LANXESS has great expertise in offering pigments and pigment dispersions to the seed coloration market. Our portfolio of pigment dispersions includes the complete color palette based on organic pigments as well as inorganic pigments. To ensure that the most common color indices are covered, LANXESS also offers red pigments in powder form.

For a detailed account of the products suitable for this application including technical product information and color shades, please refer to our **online product selector** under rch.lanxess.com/colorant-additives-en/colorants-product-selector

Successfully used by many customers

Out of our wide color range, many products are successfully used by a variety of customers for the coloration of seeds. For an overview of our customer cases, please contact us.

EPA/MAPA compliance

EPA* 40 CFR 180.920 registered products (US):

- Levanyl® Red 2BX-LF and Levanyl® Red 2B Gran

MAPA** registered products (Brazil):

- Levanyl® Red BB-LF 02

* EPA = United States Environmental Protection Agency

** MAPA = Ministério da Agricultura, Pecuária e Abastecimento

LANXESS continuously develops water-based pigment dispersions with commonly used color indices for seed coloration (e.g. P.B.15:3), which meet – among others – US regulatory requirements.

Ecological properties and regulations

- The selection of a suitable colorant especially for a defined application depends on a wide range of criteria. LANXESS products meet up-to-date ecological requirements and are a reliable basis for ecological formulations. Regulatory information for our product portfolio is available upon request.
- REACH: All products comply with REACH (EC) No.1907/2006.

Get in touch with our experts to discuss a tailored solution for seed coloration according to your individual needs (color matching, technical, and HSEQ support).

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