Shamrock TECHNOLOGIES

Wax Additives for Seed Coatings

Shamrock Technologies is redefining seed coating technologies with wax additives engineered for high efficiency agricultural coating formulations. Our additives support environmental goals while delivering exceptional in-process and field performance.

Advanced Functionality for Agricultural Coatings

Our micronized waxes are optimized for aqueous coating systems, designed to address the critical performance needs of seed treatments and agricultural granulates:

- **Improved Flowability:** Enhances metering and distribution during planting.
- **Anti-Clumping Properties:** Promotes uniform coverage and prevents bridging in hoppers.
- **Abrasion Control:** Reduces mechanical damage to seed coatings during processing and transport.
- **Dust Suppression:** Helps maintain clean operations and consistent pigment distribution.

BioSLIP®: Plant-Based Performance You Can Trust

Our expanding BioSLIP® series is crafted from renewable natural sources and designed for compatibility with modern coating chemistries. The line offers:

- Reliable slip and mar resistance
- Maintained gloss and optical properties
- Stability across a range of pH and binder systems
- Improved durability and extended product shelf life

BioSLIP® products provide a sustainable path forward for formulators looking to reduce dependency on fossil-based raw materials without compromising performance.

Wax additives for Seed Coatings

Natural Wax: Bio-based wax additives designed for high performance seed coatings					
Product	**MP (°C)**	**Typical MV (µm)**	**Composition**	**Notes**	**Microplastic Free**
BioSLIP® 222	102-106	5	Bio-based wax alloy	For overall improved performance	✓
BioSLIP® 297	80	6	Natural wax	Good abrasion resistance	✓
BioSLIP® 677	83-85	8	Soft bio-based wax alloy	For improved flow and abrasion resistance	✓
BioSLIP® 678	83-85	8	Soft natural wax alloy	Designed for greater plantability	✓
BioSLIP® C-519	82-85	11	Carnauba wax powder	For reducing dust-off and improved abrasion resistance	✓
BioSLIP® C-521	82-85	7	Modified carnauba wax alloy	Excellent all-around performance	✓

Synthetic Wax: Micronized waxes with varying sizes and melting points for a wide range of applications					
Product	**MP (°C)**	**Typical MV (µm)**	**Composition**	**Notes**	**Microplastic Free**
Neptune 250	107	8	Oxidized PE/Synthetic wax	Easy to disperse wax powder for abrasion resistance and improved flow	
S-256-N1	93-113	5	Carnauba/Synthetic wax	Excellent abrasion resistance, dust-off reduction and greater flow	✓
S-379H/N8	100	6/11	Synthetic wax	High flow and improved plantability	✓
S-381-N1/N5	98	6/9	Modified synthetic wax	Excellent abrasion resistance, dust-off reduction and greater flow	✓
S-394-MG/N1/N5	112	4/5/7	Synthetic wax	Greater abrasion resistance and dust-off reduction	✓
S-395-N1/N5	125	5/7	Polyethylene	Superior abrasion resistance, dust-off reduction and improved plantability	

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