

Milliken™

# Treating Solutions™

Advanced Seed Treatment Technology












Milliken™

# Treating Solutions™ COLORANTS

Treating Solutions Colorants are water based color systems specifically formulated to impart an unnatural color to seed treated with active ingredients. Regardless of size, shape, or texture, these colorants are designed to offer the best performance, efficiency, and ease of application for most seed types.

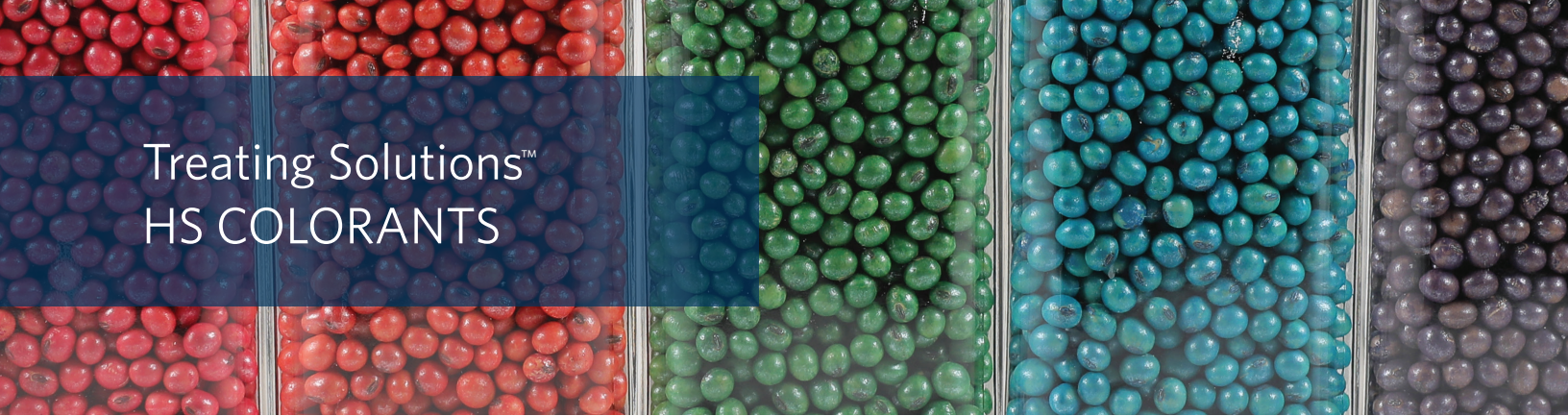
The following is a sampling of available products that meet EPA's FIFRA 40 CFR and Europe's (EU) REACH compliance criteria. Our EU REACH compliant products ensure long-term portfolio sustainability and allow Milliken to better serve our global customers.

*For customized color solutions, please contact your Milliken representative.*

	PRODUCT NAME	
	FIFRA 40 CFR SUPPORTED	GLOBALLY SUPPORTED INCLUDING 40 CFR AND REACH
	Treating Solutions Red 1048	Treating Solutions Red 1248 - <b>NEW</b> -
	Treating Solutions Red 1049	Treating Solutions Red 1249 - <b>NEW</b> -
	Treating Solutions Blue 1015	Treating Solutions Blue 1215 - <b>NEW</b> -
	Treating Solutions Green 1007	Treating Solutions Green 1207 - <b>NEW</b> -
	Treating Solutions Orange 1010	Inquiries welcome
	Treating Solutions Neon Green 1009	Inquiries welcome
	Treating Solutions Purple 1023	Inquiries welcome
	Treating Solutions Purple 1025	Inquiries welcome
	Treating Solutions White 1006	Inquiries welcome
	Treating Solutions Yellow 1001	Inquiries welcome

**Standard pack sizes:** 2 x 2.5 Gal | 30 Gal | 250 gal

Although our products are rigorously tested in combination with most standard flowable insecticide and fungicide formulations, it is not possible to test every available active ingredient package and seed combination on the market. Milliken & Company can discuss additional testing on your specific active ingredient package and crop to identify the best product and use rate for your operation.









# Treating Solutions™ HS COLORANTS

Treating Solutions HS Colorants are high strength, water-based color systems specifically formulated for situations where total slurry rate is a challenge. Offering up to a 50% space savings versus standard pigments dispersions, Treating Solutions HS Colorants maximize pigment efficiency for a stronger, more uniform appearance. Regardless of size, shape, or texture, these colorants are designed to offer the best performance, efficiency, and ease of application for most seed types.

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PRODUCT NAME	
	Treating Solutions HS Blue 4115
	Treating Solutions HS Green 4107
	Treating Solutions HS Orange 4110

PRODUCT NAME	
	Treating Solutions HS Red 4148
	Treating Solutions HS Red 4149
	Treating Solutions HS Yellow 4101

### AESTHETIC ENHANCEMENT

Treating Solutions HS colorants improve overall color value by up to 2x at current formulation rate.\*

### OPERATIONS EFFICIENCY

Treating Solutions HS colorants allow operators to treat more seed using the same amount of color.\*

### FORMULATION FLEXIBILITY

Treating Solutions HS colorants take up less volume in the slurry, allowing for greater flexibility in seed treatment formulations\*

\*dependent on seed type and active ingredient (AI) package

**Standard pack sizes:** 2 x 2.5 Gal | 30 Gal | 250 gal

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# Treating Solutions™ POLYMERS

Treating Solutions Polymers are water based systems designed to enrich the appearance of your seed—but more importantly—improve flow in conditioning facilities and control dust off during and after the treating process. Our polymers are adaptable to most makes of seed coating and treating equipment—both batch and continuous systems.

## OBSERVED BENEFIT

- Excellent
- Moderate
- Minimal
- ✓ Recommended Crop

PRODUCT NAME	Dust Off	Flowability	Seed Appearance	Rhizobia Friendly	Canola	Cereals	Corn	Cotton	LSV	Soybeans	Sunflowers	Turf and Forage
<b>Treating Solutions Polymer 2103</b> Workhorse polymer with excellent properties for most applications and crops	●	●	●	✓	✓	✓	✓		✓	✓	✓	✓
<b>Treating Solutions Polymer 2107</b> Good dust control and flowability with a sheen appearance for cotton	▸	▸	●					✓				
<b>Treating Solutions Polymer 2108</b> Stronger binder for high dust and buildup applications	●	▸	▸	✓	✓	✓	✓		✓	✓	✓	✓
<b>Treating Solutions Polymer 2109</b> Good dust control and flowability with a sparkle appearance for cotton	▸	▸	●					✓				
<b>Treating Solutions Polymer 2111</b> High shine performance polymer for cereals and legume crops	●	●	●	✓		✓			✓	✓		
<b>Treating Solutions Polymer 2113 - NEW -</b> Oil-based polymer for reducing dust off in cereals	●	●	▸	✓		✓						
<b>Treating Solutions Polymer 2120 - NEW -</b> Premium polymer for dust control, flowability and abarasion resistance	●	●	●	✓		✓	✓		✓	✓		
<b>Treating Solutions Polymer 2203 - NEW -</b> Performance polymer for custom blend operations	●	●	▸	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Treating Solutions Polymer 2213</b> Excellent dust control and flowability with improved aesthtics for cotton	●	●	●					✓				

## Seed Treatment Performance Products

### TREATING SOLUTIONS FP

A seed treatment finishing powder to improve seed drying, appearance, and flowability.

### TREATING SOLUTIONS STABILIZE 2112

A seed treatment additive, for both in can and tank mix solutions, to improve blend and slurry stability.

### TREATING SOLUTIONS SEED LUSTER

A seed treatment additive, for both in can and tank mix solutions, to improve appearance.

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# Treating Solutions™ COLORED POLYMERS

Treating Solutions Colored Polymers are optimized formulations of Treating Solutions Colorants and Treating Solutions Polymers — improving flowability, plantability, and reducing inert material dust off during handling — while enhancing the shine and appearance of treated seeds.

Specifically designed for efficiency—a single treatment package running one polymer and one colorant rate—that eliminates measuring and blending and reduces slurry space.

## OBSERVED BENEFIT

- Excellent
- Moderate
- Minimal
- ✓ Recommended Crop

PRODUCT NAME	Dust Off	Flowability	Seed Appearance	Canola	Cereals	Corn	Cotton	LSV	Soybeans	Sunflowers	Turf and Forage
Treating Solutions Blue Polymer 3218	●	●	●	✓	✓		✓	✓	✓	✓	✓
Treating Solutions Green Polymer 3218	●	●	●	✓	✓		✓	✓	✓	✓	✓
Treating Solutions Red Polymer 3203	●	●	●			✓					
Treating Solutions Red Polymer 3218	●	●	●	✓	✓		✓	✓	✓	✓	✓
Treating Solutions Silver Polymer 3117	●	●	●				✓				✓

**Standard pack sizes:** 2 x 2.5 Gal | 30 Gal | 250 gal

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