



***Tired of Graphite and Talc?
There is a replacement.***



***The replacement is better
than the original. Innovation
is coming in an unexpected
place: in the planter box.***



1-844-Get-Dust



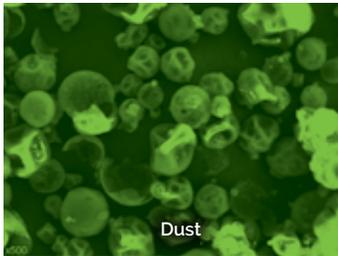
Dust is a new, innovative, patented product made to replace the grimy graphite/talc mix in the planter. **Dust** is a 100 percent renewable soy protein product. Microscopically, it has more round shapes than graphite and talc, which are materials that are milled out of the ground. **Dust**'s round shapes provide lubricity for mechanical parts in meters and relief of static friction while making your seeds flow better through your planter. You will find it clean and safe to use.

Dust is here to provide you an environmentally sound alternative for your agriculture operations that require lower static friction and dry lubrication. It is the perfect seed box treatment for your current planter or drill technology to use with any seed. If you have any questions with how **Dust** works with your planter or seeds, ask us.

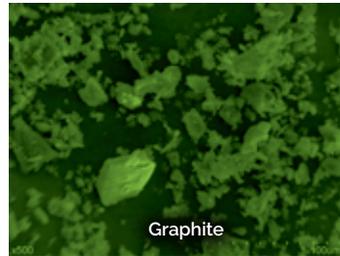
Dust doesn't leave you dirty. It is naturally formulated to be less "dusty." Due to this, it doesn't take to the air as willingly as graphite/talc. **Dust** also, does not leave your hands, your face, or your clothing dirty. It wipes off on contact and goes where wanted; on the seed and into the furrow. No more having to clean your sensors from talc/graphite grime.

Since **Dust** is created entirely from US sourced soybeans, it is renewable. Once introduced into the soil, **Dust**'s innovative formula is used by the soil's naturally occurring microbes. Since it is made wholly from soy protein, within 28 days it will disappear from the furrow and provide more green-up and early plant viability.

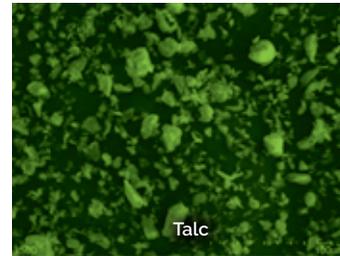
University and proprietary research over the last 7 years have proven these facts.



Dust



Graphite



Talc



Bayer Fluency Agent

KANSAS STATE UNIVERSITY | College of Agriculture

Kansas State University research trials, using more than 1 million replications of corn and soybean seeds, have proven meter singulation performance to be as good or better than current technology.

Corn:



Product	Brand	Hybrid	Product	Brand	Size	Shape	Individual Average % Singulation	Individual Average % Skips	Individual Average % Multiples	Brand Average % Singulation	Brand Average % Skips	Brand Average % Multiples	Product Average % Singulation	Product Average % Skips	Product Average % Multiples
None	Ohlde	24-14	None	Ohlde	Small	Flat	98.10	1.30	0.60	98.83	0.63	0.53	98.75	0.82	0.43
		27-16			Medium	Round	99.00	0.40	0.60						
		28-13			Large	Flat	99.40	0.20	0.40						
	Pioneer	P1271YHR		Pioneer	Small	Round	98.70	0.80	0.50	98.67	1.00	0.33			
		P1522YHR			Medium	Round	98.10	1.70	0.20						
		P2089YHR			Large	Round	99.20	0.50	0.30						
John Deere Talc	Ohlde	24-15	John Deere Talc	Ohlde	Small	Flat	98.30	0.90	0.80	98.87	0.47	0.67	98.23	1.20	0.57
		27-17			Medium	Round	99.00	0.40	0.60						
		28-14			Large	Flat	99.30	0.10	0.60						
	Pioneer	P1271YHR		Pioneer	Small	Round	98.10	1.20	0.70	97.60	1.93	0.47			
		P1522YHR			Medium	Round	96.60	3.20	0.20						
		P2089YHR			Large	Round	98.10	1.40	0.50						
Bayer Fluency Agent	Ohlde	24-16	Bayer Fluency Agent	Ohlde	Small	Flat	98.50	1.10	0.40	98.87	0.63	0.50	98.40	1.20	0.40
		27-18			Medium	Round	98.90	0.60	0.50						
		28-15			Large	Flat	99.20	0.20	0.60						
	Pioneer	P1271YHR		Pioneer	Small	Round	98.30	1.40	0.30	97.93	1.77	0.30			
		P1522YHR			Medium	Round	97.10	2.80	0.10						
		P2089YHR			Large	Round	98.40	1.10	0.50						
Low Mu Dust	Ohlde	24-18	Low Mu Dust	Ohlde	Small	Flat	97.40	2.00	0.60	98.47	0.97	0.57	98.47	1.05	0.48
		27-20			Medium	Round	98.70	0.70	0.60						
		28-17			Large	Flat	99.30	0.20	0.50						
	Pioneer	P1271YHR		Pioneer	Small	Round	98.60	0.90	0.50	98.47	1.13	0.40			
		P1522YHR			Medium	Round	97.70	2.00	0.30						
		P2089YHR			Large	Round	99.10	0.50	0.40						

Soybeans:



Product	Brand	Hybrid	Shape	Product	Size	Individual Average % Singulation	Individual Average % Skips	Individual Average % Multiples	Brand Average % Singulation	Brand Average % Skips	Brand Average % Multiples	Product Average % Singulation	Product Average % Skips	Product Average % Multiples	
None	Ohlde	0-37L7	Round	None	Large	75.40	10.60	14.00	79.17	9.33	11.53	79.11	9.09	11.82	
		0-37X6			Medium	79.20	9.40	11.40							
		0-42L6-B			Large	82.90	8.00	9.20							
	Ohlde	0-42X6			Ohlde	Large	78.80	9.10	12.10	79.06	8.84				12.10
		0-45L6				Small	77.13	10.63	12.24						
		0-45L6-B				Small	81.25	6.80	11.95						
John Deere Talc	Ohlde	0-37L7	John Deere Talc	John Deere Talc	Large	76.60	10.10	13.20	79.07	9.67	11.27	78.90	9.35	11.78	
		0-37X6			Medium	78.80	10.00	11.20							
		0-42L6-B			Medium	81.80	8.90	9.40							
	Ohlde	0-42X6		Ohlde	Large	78.80	8.90	12.40	78.72	9.02	12.29				
		0-45L6			Small	76.85	10.66	12.49							
		0-45L6-B			Small	80.52	7.51	11.97							
Bayer Fluency Agent	Ohlde	0-37L7	Bayer Fluency Agent	Bayer Fluency Agent	Large	79.30	10.10	10.60	81.07	9.70	9.27	80.30	9.41	10.31	
		0-37X6			Medium	80.00	10.60	9.50							
		0-42L6-B			Medium	83.90	8.40	7.70							
	Ohlde	0-42X6		Ohlde	Large	79.30	8.70	12.00	79.53	9.12	11.35				
		0-45L6			Small	78.15	11.01	10.84							
		0-45L6-B			Small	81.15	7.65	11.20							
Low Mu Dust	Ohlde	0-37L7	Low Mu Dust	Low Mu Dust	Large	75.50	10.80	13.70	80.50	8.83	10.67	80.27	8.44	11.28	
		0-37X6			Medium	80.80	8.30	10.90							
		0-42L6-B			Medium	85.20	7.40	7.40							
	Ohlde	0-42X6		Ohlde	Large	79.40	8.40	12.10	80.03	8.05	11.89				
		0-45L6			Small	78.66	9.03	12.31							
		0-45L6-B			Small	82.03	6.71	11.25							

Table 2. Effect of DUST Seed Lubricant on Soybean Emergence, Vigor, and Yield Compared to a Traditional Seed Lubricant at the Northwest Agricultural Research Station, 2018.

Treatment Name	Soybean stand (1000 plants/acre)			NDVI			Yield (bu/acre)
	7 DAP	14 DAP	21 DAP	7 DAP	14 DAP	21 DAP	
DUST	134.3 A	142.5 A	138.5 A	0.15 A	0.24 A	0.28 A	
Graphite	130.8 A	136.5 A	133.8 A	0.16 A	0.25 A	0.26 A	
Untreated control	126.8 A	144.3 A	141.5 A	0.15 A	0.25 A	0.27 A	
LSD(0.10)	14.0	16.1	7.9	0.01	0.01	0.02	

Same letters within a column indicates no statistically significant difference at the 90% confidence level.

Table 3. Effect of DUST Seed Lubricant on Soybean Emergence, Vigor, and Yield Compared to a Traditional Seed Lubricant at the Western Agricultural Research Station, 2018.

Treatment Name	Soybean stand (1000 plants/acre)			NDVI			Yield (bu/acre)
	7 DAP	14 DAP	21 DAP	7 DAP	14 DAP	21 DAP	
DUST	73.5 A	118.8 A	107.8 A	0.17 A	0.18 A	0.16 A	
Graphite	82.0 A	116.0 A	101.0 A	0.16 A	0.18 A	0.17 A	
Untreated control	76.5 A	98.0 A	102.5 A	0.16 A	0.17 A	0.16 A	
LSD (0.10)	10.5	21.5	14.5	0.01	0.01	0.02 A	

Same letters within a column indicates no statistically significant difference at the 90% confidence level.

MU **Greenley Research Center**
University of Missouri

Low Mu Tech Corn Trial

Figure 2. Plant Spacing Stand Deviation Averaged For Each Lubricant Treatment.

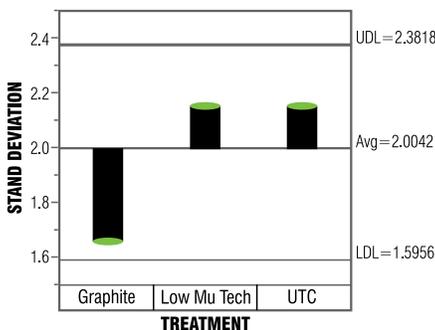


Figure 3. 5 Plant Weight Averaged for Each Lubricant Treatment 21 Day After Planting.

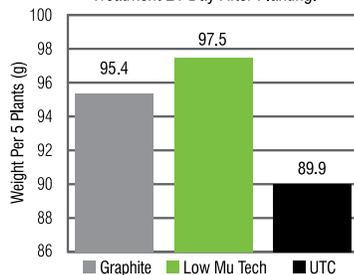
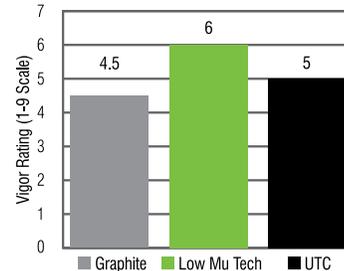


Figure 4. Average Vigor Rating For Each Treatment Recorded 5/18.



Low Mu Tech Soybean Trial

Figure 2. Plant Spacing Stand Deviation Averaged For Each Lubricant Treatment.

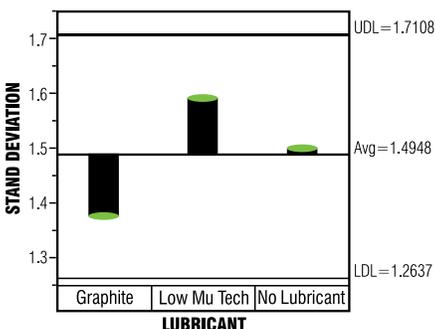


Figure 3. 5 Plant Weight Averaged for Each Lubricant Treatment 21 Day After Planting.

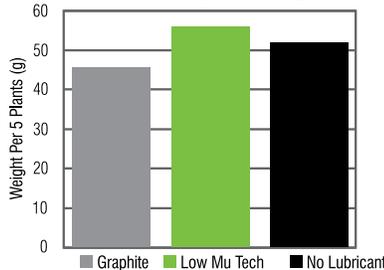
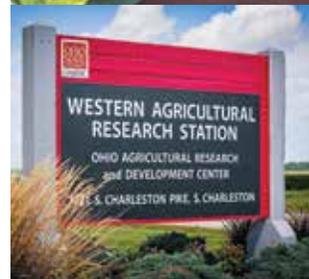


Figure 4. Average Vigor Rating For Each Treatment Recorded Over Time.

	Vigor 5/30	Vigor 6/6	Vigor 6/14
Graphite	8.3	6.0	7.8
Low Mu Tech	9.0	6.8	7.8
No Lubricant	8.3	6.0	7.3

α=0.05



Testimonials:

"I discovered Dust on a Facebook ad. It piqued my interest the way it was so clean. When I got the buckets, I opened it up and felt the texture of it. It was kind of crazy how it stuck to the texture of your skin, but then you brushed it off your clothes, that was it. It was gone. We used it with a John Deere high-speed planter with great results."



Bill Bachmeier, corn, soybeans, barley and wheat.
Sykeston, North Dakota

"We've been using this product for the last four years now. We've chosen to use it over graphite. It's cleaner, easier to use. We see a great improvement in emergence and standability. Clean-up is very easy. It's not on your clothes, it's easy to wipe off and clean-up of machinery is very easy. We take a little bit of compressed air, maybe a wire brush, and off it goes."



Daniel Braet, corn and soybeans, Bellevue, Iowa

"We decided at the beginning of the season to set up a comparison between the two (graphite/talc and Dust) because I was not really familiar with Dust. So, we used graphite/talc on one hopper of the planter and we used Dust on the other. The thing that jumped out at me first was on the monitor. We could see on the Dust side of the planter a more even drop rate compared to the graphite and talc side. The next thing we noticed was the hopper cleanliness. On the Dust side, the mini hoppers didn't have any residue whatsoever. On the side we used graphite and talc on, it had a little build-up of graphite. When you'd fill the graphite side on a windy day, it was everywhere. It would get in your hair on your hands, your face, your clothing. The Dust side, when you'd fill it, there was basically nothing on you. It was a night and day difference. It made the wife happy for sure."



David Walton, corn and soybeans, Wilton, Iowa



Want to know more?

Look for more video testimonials on our website.

Want more research?

Look for additional information on the research at The Ohio State University, the University of Missouri and the University of Tennessee on Facebook and our website at www.lowmutes.com

To purchase **Dust** go to lowmutes.com or contact your local dealer.

Don't have a local dealer?

Call us and we'll let you know who to contact. Looking to add this product to your line-up? Check with us, we may have an open area for you to cover.

**1-844-Get-Dust
(844-438-3878)**



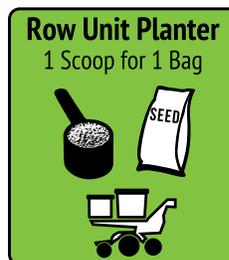
Directions for use:

- 1) Open container. Contents will settle in transport.
- 2) Begin with 1 scoop of product per unit of seed (i.e. about 1 oz per unit of seed). Usage rates vary by planter type and size. *The link below will give you more detailed usage information.*
- 3) Use the same application method used for graphite and/or talc.
- 4) Put lid back on container.
- 5) Keep container closed and in a dry location.

Treat the same way you use graphite/talc.

Reminder – with **Dust – less is more**

To calculate the amount of DUST needed for planting use the ratio of 1 scoop equals 1 oz of DUST.



Scan QR code for additional instructions.

Entirely from
US sourced soybeans



Project sponsored by



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