



# Dash™ PBC

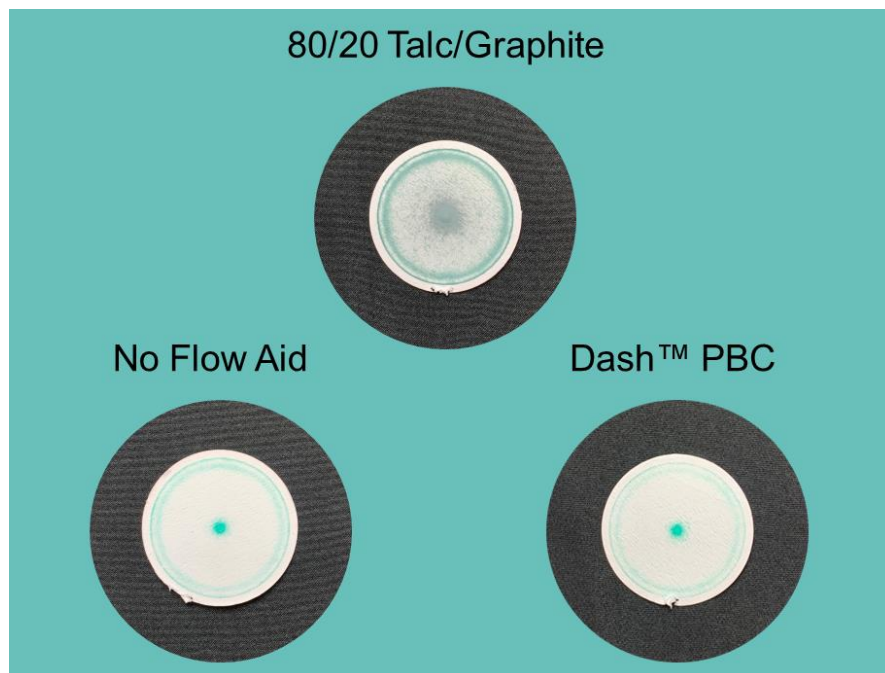
## Biological planter box treatment and seed lubricant

Dash™ PBC is a corn planter box seed treatment that provides seed lubrication and microbial benefits for enhanced yield potential

### FEATURES AND BENEFITS

- Includes eight synergistic strains, including N-fixing and P-solubilizing microbes, and essential amino acids
- Helps support germination, early plant vigor and microbial nutrient release
- Provides outstanding seed lubrication and seed flow at planting with reduced dust vs. 80/20 talc/graphite
- Microbial consortium conveniently impregnated in lubricant for ease of use

**Dash™ PBC reduces dust 84% compared to traditional 80/20 talc/graphite\***

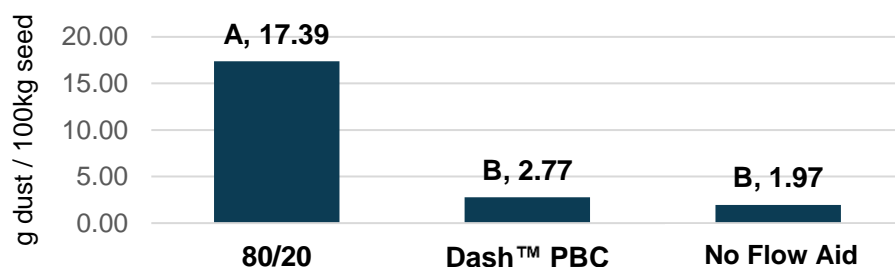


**REGION**  
All

**USE RATE†**  
0.5 oz per 1 unit of corn at 80,000 seeds/unit

**ACTIVE INGREDIENTS†**  
 $6.8 \times 10^9$  cfu/g *Bacillus licheniformis*  
 $6.8 \times 10^9$  cfu/g *Bacillus composti*  
 $6.8 \times 10^9$  cfu/g *Bacillus azotofixans*  
 $6.8 \times 10^9$  cfu/g *Bacillus ligniniphilus*  
 $6.8 \times 10^9$  cfu/g *Thiobacillus sulfuroxidans*  
 $6.8 \times 10^9$  cfu/g *Thiobacillus ferrooxidans*  
 $6.8 \times 10^9$  cfu/g *Azotobacter chroococcum*  
 $6.8 \times 10^9$  cfu/g *Bradyrhizobium denitrificans*

99% Soybean Meal, Amino Acid  
(Derived from Soy Protein Isolates)



† Always read and follow product labels directions.

\*Treatment means are the average of 3 replications of dust off on 1 hybrid. Means followed by the same letter are not statistically different by LSD test with a confidence level of 95%. Trial was conducted at the WinField United Innovation Center in River Falls, WI.

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# Dash™ PBC

Bio+ Hopper Box Seed Lubricant  
1% NON-PLANT FOOD INGREDIENTS

Concentrations listed below are in dry form

Product will contain a minimum of 300b colony forming units (CFU's) per acre applied at recommended rate.

## SOIL AMENDMENT (ACTIVE) INGREDIENTS

Bacillus licheniformis .....	6.8 x 10 <sup>9</sup> cfu/g
Bacillus composti .....	6.8 x 10 <sup>9</sup> cfu/g
Bacillus azotofixans .....	6.8 x 10 <sup>9</sup> cfu/g
Bacillus ligniniphilus .....	6.8 x 10 <sup>9</sup> cfu/g
Thiobacillus sulfooxidans .....	6.8 x 10 <sup>9</sup> cfu/g
Thiobacillus ferrooxidans .....	6.8 x 10 <sup>9</sup> cfu/g
Azotobacter chroococcum .....	6.8 x 10 <sup>9</sup> cfu/g
Bradyrhizobium denitrificans .....	6.8 x 10 <sup>9</sup> cfu/g

## Other Ingredients

Soy Protein Isolates .....	99%
Glutamic Acid* .....	12.70%
Arginine* .....	4.75%

\*Amino Acids (Derived from Soy Protein Isolates)

## KEEP OUT OF REACH OF CHILDREN WARNING

May cause irritation to respiratory tract. May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking, and tear production, with possible redness and swelling. May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## PRECAUTIONARY STATEMENTS

Wear protective gloves/clothing and safety glasses or goggles. Wear suitable respiratory equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (ie, cleaning dust surfaces with compressed air). Use only non-sparking tools. Remove all sources of ignition.

## FIRST AID

**IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**IF ON SKIN:** If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

**IF IN EYES:** If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**IF SWALLOWED:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**In case of medical emergency, call toll free 1-877-424-7452**

## GENERAL INFORMATION

Dash™ PBC is a blend of soybean based amino acid dry seed fluency agent with 8 highly durable and tested microbes specially formulated for next level corn production.

When Applied:

- Provides outstanding seed lubrication and seed flow at planting.
- Supports germination, early plant vigor and provides season long microbial nutrient release.
- Formulation includes 8 synergistic strains, including N-fixing and P-solubilizing microbes.
- Includes synergistic essential amino acids for microbial growth and plant vigor.
- Microbial consortium conveniently impregnated in lubricant for pour and go ease of use.

Distributed and Guaranteed by:

Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

NET PRODUCT WEIGHT: 1.56 lb. (0.7 kg)

2/0919/4

Net Contents \_\_\_\_\_

Microbial inoculant may lose effectiveness after  
expiration date.

EXPIRATION DATE: \_\_\_\_\_

**WINFIELD  
UNITED**

**DIRECTIONS FOR USE**  
**READ ENTIRE LABEL BEFORE USING**

**Planter Box/Hopper Box Applications:**

- Apply 0.5 oz (14 grams) per 1 unit of corn at 80,000 seeds/unit.
- Apply by dispersing the powder evenly onto seeds using appropriate equipment. (see tech sheet for recommended application directions)
- No additional specific markers or distinguishing features of seed coating are needed.
- Read entire label before using this product.

Do not use treated seed for food, feed or oil purposes.

**HANDLING**

This product contains live microorganisms and may cause adverse effects to persons with a compromised immune system. Avoid contact with eyes, mouth, and broken skin. Do not inhale product. Wear eye and skin protection when handling. Wash hands after using.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in tightly closed original container in a dry, cool, and well-ventilated place. Ideal storage temperature between 5° and 150° F. Keep container closed when not in use. Keep away from food, drink, and animal feedstuffs.

**DISPOSAL:** Dispose of contents/container in accordance with local/regional and national/international regulations.

**For Emergency, Spill, Leak, Fire, Exposure, or Accident, Call: CHEMTREC 1-800-424-9300**

**WARRANTY DISCLAIMER**

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

Dash™ is a trademark of Winfield Solutions, LLC



# Dash™ PBS

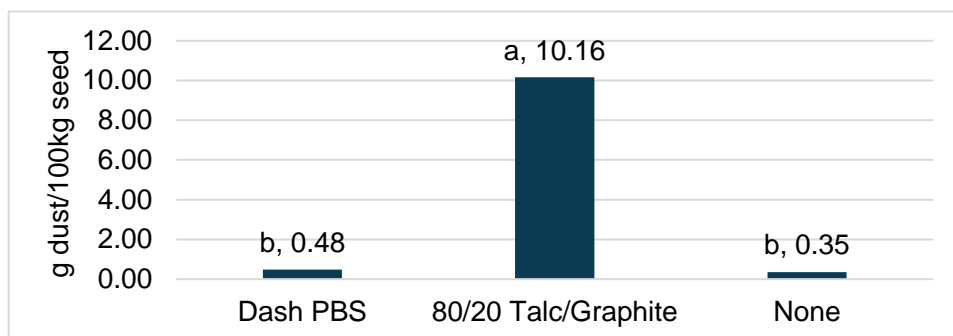
## Biological planter box treatment and seed lubricant

Dash™ PBS is a soybean planter box seed treatment that provides seed lubrication and microbial benefits for enhanced yield potential.

### FEATURES AND BENEFITS

- Includes eight synergistic strains, including N-fixing and P-solubilizing microbes, and essential amino acids
- Helps support germination, early plant vigor and microbial nutrient release
- Provides outstanding seed lubrication and seed flow at planting with reduced dust vs. 80/20 talc/graphite
- Microbial consortium conveniently impregnated in lubricant for ease of use

### Dash™ PBS reduces dust off by 95% vs. traditional 80/20 talc/graphite\*



### Visual example of Dash™ PBS vs. traditional 80/20 talc/graphite



Dash™ PBS



80/20 Talc/Graphite



**REGION**  
All



**USE RATE†**  
0.5 oz per 1 unit of soybean at 140,000 seeds/unit



**ACTIVE INGREDIENTS†**  
 6.8x10<sup>9</sup> cfu/g *Bacillus megaterium*  
 6.8x10<sup>9</sup> cfu/g *Bacillus licheniformis*  
 6.8x10<sup>9</sup> cfu/g *Bacillus azotofixans*  
 6.8x10<sup>9</sup> cfu/g *Azotobacter vinelandii*  
 6.8x10<sup>9</sup> cfu/g *Acetobacter diazotrophicus*  
 6.8x10<sup>9</sup> cfu/g *Azotobacter chroococcum*  
 6.8x10<sup>9</sup> cfu/g *Bradyrhizobium japonicum*  
 6.8x10<sup>9</sup> cfu/g *Pseudomonas putida*

99% Soybean Meal, Amino Acid  
(Derived from Soy Protein Isolates)

† Always read and follow product labels directions.

\*All soybeans treated with Warden® CX II. Pooled across three varieties with various seed sizes. Means followed by a different letter are statistically different by LSD test with a confidence level of 95%. Trial was conducted at the WinField United Innovation Center in River Falls, WI.  
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Acetobacter diazotrophicus .....	6.8 x 10 <sup>9</sup> cfu/g
Azotobacter chroococcum .....	6.8 x 10 <sup>9</sup> cfu/g
Bradyrhizobium japonicum .....	6.8 x 10 <sup>9</sup> cfu/g
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- Includes synergistic essential amino acids for microbial growth and plant vigor.
- Microbial consortium conveniently impregnated in lubricant for pour and go ease of use.

Distributed and Guaranteed by:

Winfield Solutions, LLC

P.O. Box 64589

St. Paul, MN 55164-0589

NET PRODUCT WEIGHT: 1.25 lb. (0.57 kg)

2/0919/4

Net Contents \_\_\_\_\_

Microbial inoculant may lose effectiveness after expiration date.

EXPIRATION DATE: \_\_\_\_\_

**WINFIELD  
UNITED**

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Dash™ is a trademark of Winfield Solutions, LLC