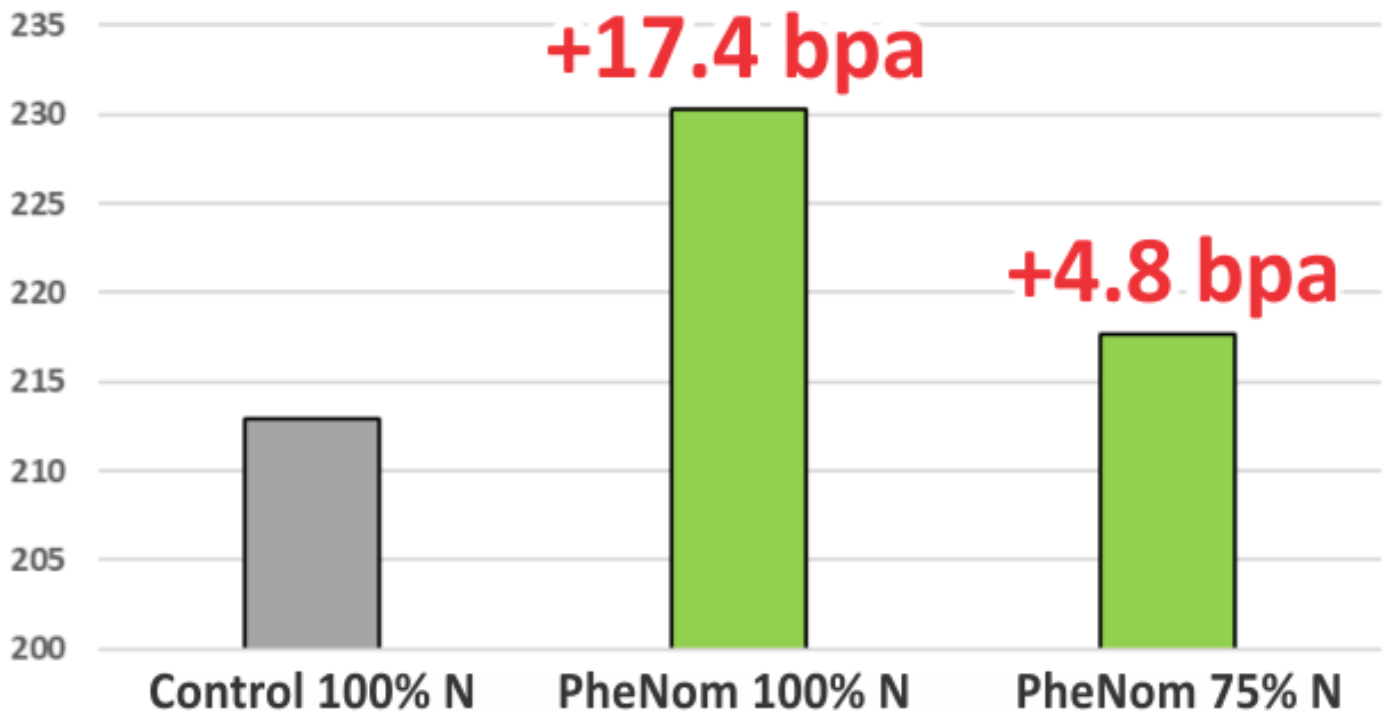


# PheNom<sup>®</sup>

DakotaBIO  
THE BIOLOGICAL COMPANY

**Field Tested &  
Grower Approved**

## PheNom Reduced Nitrogen Study



**FSM  
Brand**

**Fowler Seed Marketing 888.249.SEED**

# PheNom<sup>®</sup> Video



Watch the video to learn more about PheNom.



**FSM**  
**Brand**

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 PheNom<sup>®</sup>

 PheNom<sup>®</sup> ST

## Every plant makes nitrogen

PheNom is a biological that lives inside the plant that converts atmospheric nitrogen to a usable form inside the plant. PheNom increases nitrogen availability to feed your crop all season long.

### Economic Benefits of PheNom

**PheNom Corn +8.2 bpa**

4 yrs of independent trials

77% win rate

+\$34.82 net profit/ac average

**PheNom Soybeans +2.7 bpa**

4 yrs of independent trials

78% win rate

+\$31.50 net profit/ac average

PheNom has an average win rate of 85% across all crops tested

### Operational Benefits of PheNom

PheNom is to be applied foliar or infurrow

- Low use rate of 16 oz per acre
- Compatible in tank with fertilizers up to 15 days
- Compatible in spray tank with herbicides and fungicides up to 12 hours.

Convenient case sizes of

- 2x2.5 gal bladders - treats 40 acres
- 200 gal bulk treats - treats 1600 acres

PheNom ST is to be applied on seed by a seed treater.

- Low use rate of 2 oz per 100 lbs of seed
  - On seed life of up to 30 days
- Convenient case size of
- 1x120 bladder treats 120 cwt of seed

833-DAKOTAB

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# PheNom<sup>®</sup> Label

DOWNLOAD



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 PheNom<sup>®</sup>

#### Attention:

- Specimen Label is for general information only.
- It is customer responsibility to follow all federal, state, and local regulations regarding biologicals.
- Before using any biological be sure the intended use is approved in your state.
- Your state may require additional precautions for biologicals that are not included here.
- This information may differ from product label.
- Always follow the label and instructions on the product.
- Not a fertilizer substitute

#### For best results:

- Store in a dry and shaded location in temperatures between 35° and 70° F.
- Apply product foliar with 10-20 gallons of water.
- Apply product infurrow with the seed with minimum of 3 gallons per acre of liquid carrier.
- Calibrate the sprayer to correct rate.
- If mixing with herbicides do jar test first and apply within 12 hours of tank mixing.
- Compatible in liquid fertilizer up to 2 days. Agitate if not used right away.
- Apply when plant is actively growing.
- Call Dakota Bio representative for questions and compatibilities with other products.

#### Minimum Guaranteed Analysis:

Active Ingredients:

*Pseudomonas sil.* 1x10<sup>5</sup> CFU/mL

*Curtobacterium sal.* 1x10<sup>5</sup> CFU/mL

Inert Ingredients: Aqueous carrier 98%

Specific Gravity = 1.002  
Density = 8.36 lbs./gallon

#### Cautions

Eyes: May cause mild irritation to eyes if high exposure.

Skin: May cause mild irritation to skin if high exposure.

#### Purpose:

Biological nitrogen fixation and increased phosphorus efficiency. Not a fertilizer substitute.

#### Shelf life:

- 10 months from time of production.

#### Package sizes available:

- 2x2.5-gallon, net weight 42.5 lbs.
- 275-gallon shuttle, net weight 2412 lbs.
- 4000-gallon bulk, net weight 33,640.

#### Application rate:

- Apply at a rate 16 oz per acre foliar or in furrow
  - 2x2.5 gal = 40 acres
  - 200 gal = 1600 acres

#### Directions for use:

- Shake or agitate contents of package to mix thoroughly.
- Open package when ready to use.
- Add to tank last

DakotaBIO  
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[www.dakotabio.com](http://www.dakotabio.com)

6066 Shingle Creek Parkway #216

Brooklyn Center, MN 55430


833-325-6822

#### LIMITED LIABILITY AND WARRANTY

Dakota Bio LLC assumes no responsibility for loss or partial loss of crop from any cause whatsoever. This Limited Warranty is in lieu of all other warranties, expressed or implied. The Limited Warranty is void where prohibited by law.

  @DakotaBioBiological

 @dakota\_bio

 Dakota Bio: The Biological Company

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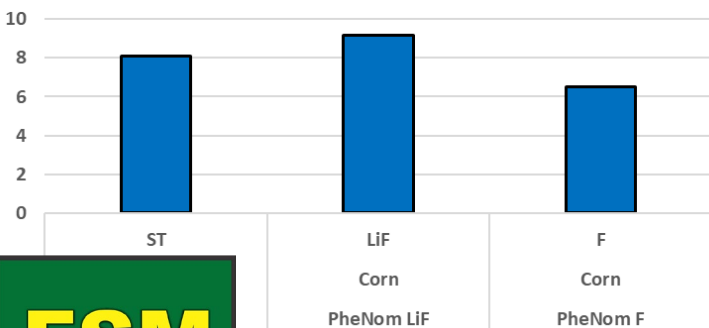


# Every plant makes nitrogen

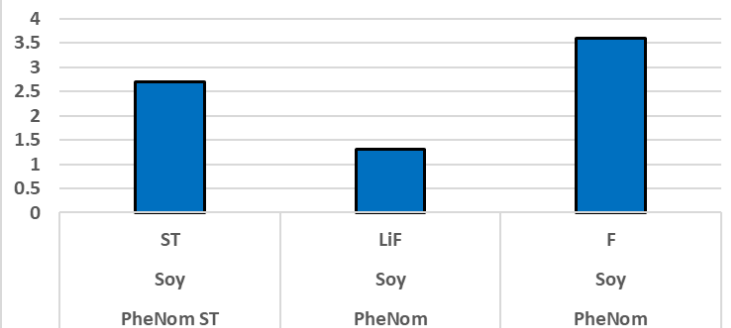
141 Replicated trials

Product	Crop	How Applied	Win Rate	Av yield dif	% yield increase
PheNom Total	Corn	all	77%	8.2	4.00%
PheNom ST	Corn	ST	76%	8.07	4.00%
PheNom LiF	Corn	LiF	71%	9.15	4.00%
PheNom F	Corn	F	100%	6.5	4.10%
PheNom Total	Soy	all	78%	2.7	4.00%
PheNom ST	Soy	ST	80%	2.7	4.00%
PheNom	Soy	LiF	100%	1.3	1.74%
PheNom	Soy	F	100%	3.6	4.94%
PheNom total	Pea	all	100%	6.4	7.45%
PheNom F	Pea	F	100%	9.9	11.25%
PheNom ST	Pea	ST	100%	3	3.65%
PheNom ST	Potato	ST	100%	57.4	10.00%
PheNom ST	Wheat	ST	100%	4.06	4.80%

Corn PheNom 4 yrs  
ST vs LiF vs F



Soy PheNom 4 yrs  
ST vs LiF vs F



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**PheNom<sup>®</sup>**  
Field Trials

**REGISTER**  
Your Side-by-Side Comparison

Bring the benefits of PheNom to your farm this year?

**REGISTER**  
Your Field Today

**CLICK**  
HERE

... and see the results for yourself in a side-by-side comparison

## Here's the Details

- PheNom can be applied in-furrow or as a foliar.
- PheNom reduces the nitrogen need on any crop. Our 2023 focus is on corn, but Hay and Pasture side-by-side trials are accepted.
- All PheNom product used in the Field Trials is discounted **10%** (with payment by March 30<sup>th</sup>) at an approx. cost of \$17.28/acre.
- Field Trials are monitored throughout the growing season... and plant responses and crop yield results will be shared with all participants.

 **PheNom<sup>®</sup>**

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