

# N-POWER BLUE

OPTIMAL NITROGEN-SULFUR-BORON RATIO

unique composition, synergistic,  
which compensates, less volatile, complementary



The time is past  
for nitrogen alone

To reduce the ecological footprint of activities,  
while improving the profitability of farms,  
in using the right products



# N-POWER BLUE

a unique composition,

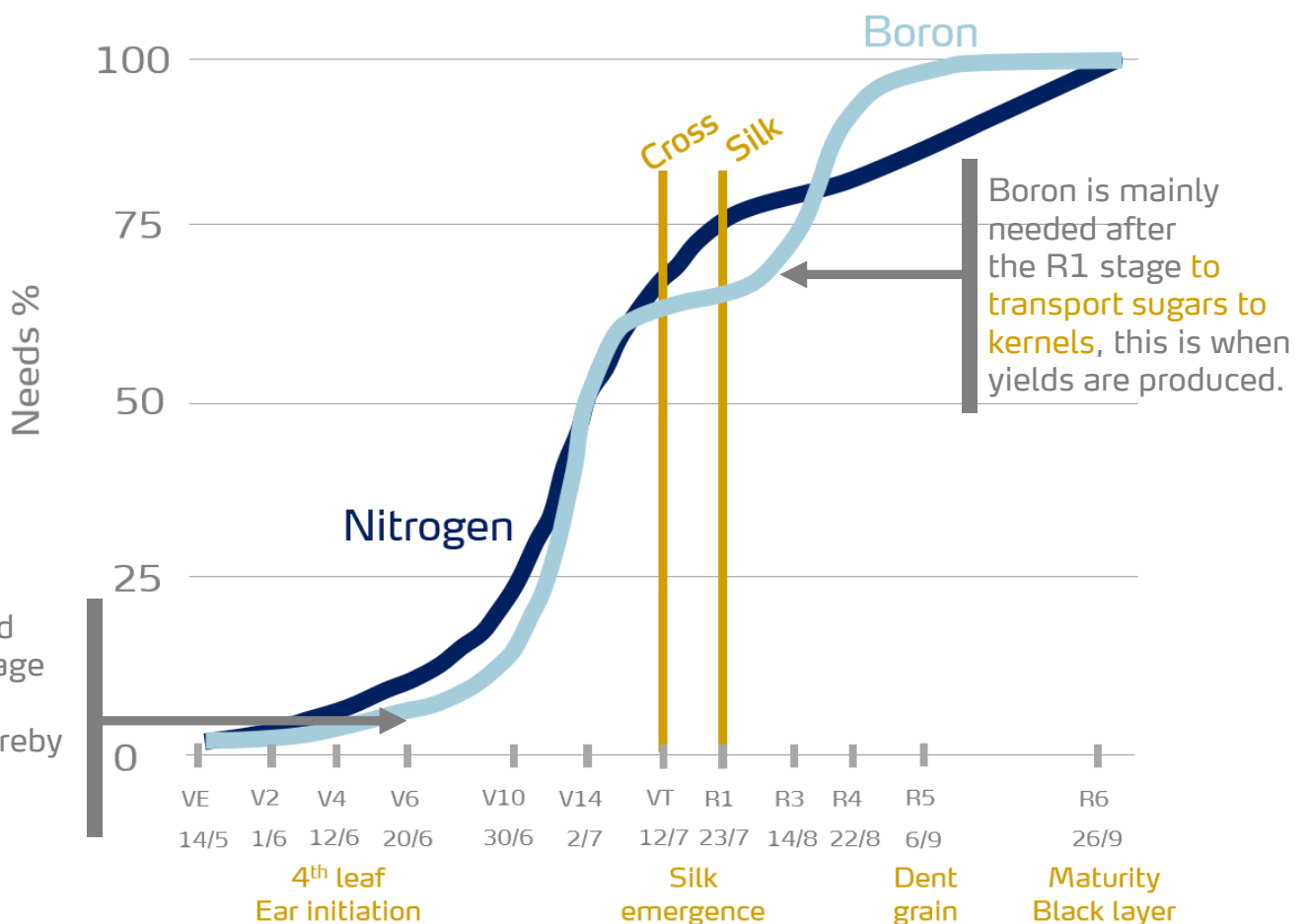
it works when it matters most  
to ensure better yields

Split application, a crucial step.

Supplement your crops' nutrition  
by maximizing the benefits of each drop!



## NUTRIENT ELEMENTS UPTAKE IN CORN



GROW CROPS DIFFERENTLY

# N-POWER BLUE

a synergistic composition,

boron and nitrogen are essential to ensure better yields

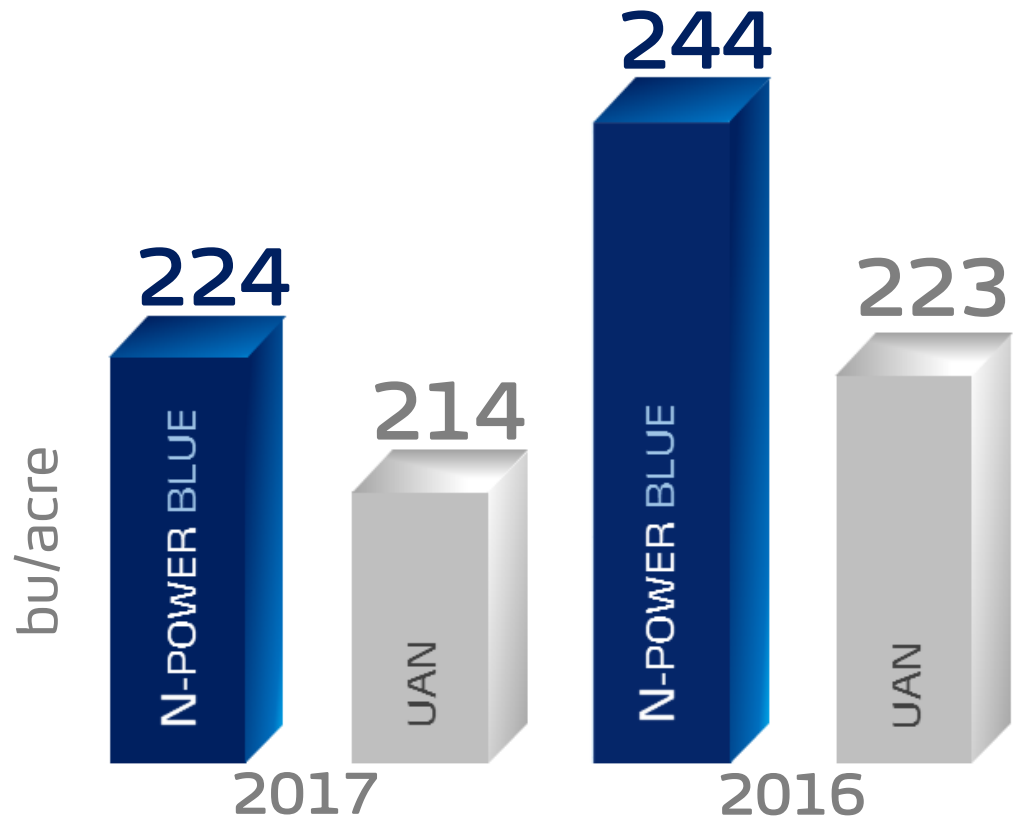


For optimal yields, plants need boron and nitrogen. Boron is an important nutrient, as it is involved in cell division, flower development (pollen viability), synthesis of sugars and proteins, use of water and nitrogen. As these results show, the synergy of these two nutrients. makes a difference.

## NPOWER BLUE VS UAN APPLIED AT V5-6 STAGE AT A RATE OF 150 LBS/ACRE OF NITROGEN INCORPORATED



- Crop: Grain-corn
- Year: 2016 and 2017
- Site: St-Hyacinthe
- Source: R&D Synagri
- 4 repetitions per treatment
- Application of 45lbs/acre nitrogen in starter
- Corn price : \$4.83/bu (\$190/TM)



**Net Gain with N-POWER BLUE**  
acre

+ 10 bu  
+ \$46

+ 21 bu  
+ \$92

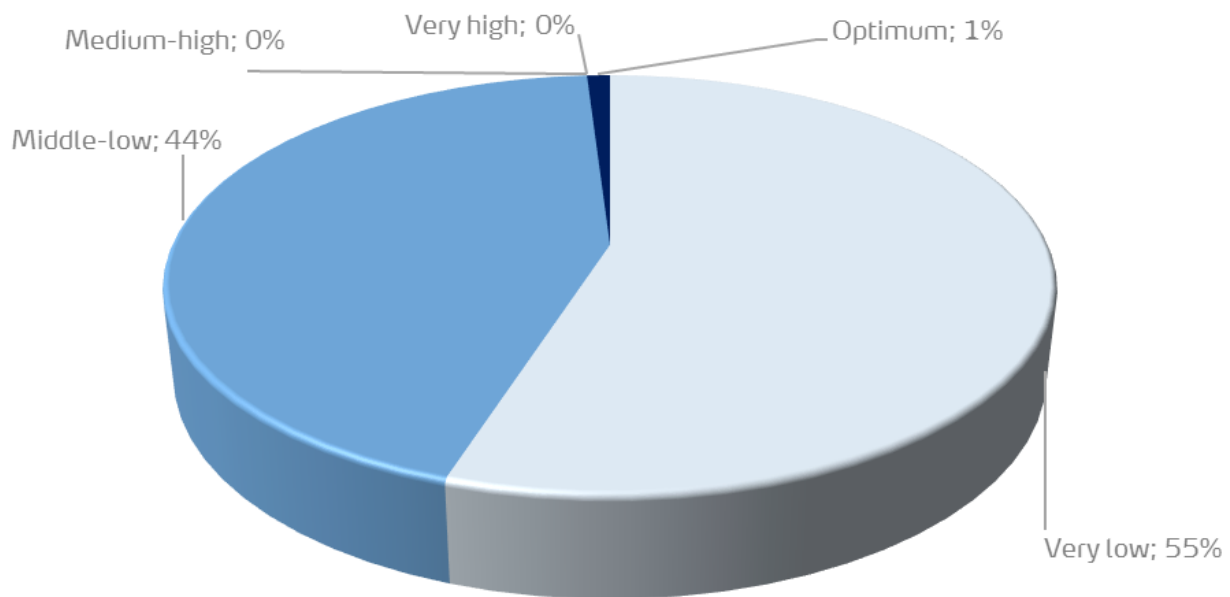


GROW CROPS DIFFERENTLY

# N-POWER BLUE

a composition that compensates,  
it supplies boron, which is lacking in soil,  
to ensure better yields

## % OF SAMPLES ACCORDING TO BORON INDEX CLASS SYNAGRI



Boron levels in our region's soil are inconsistent and particularly vulnerable to soil moisture and rainfall.



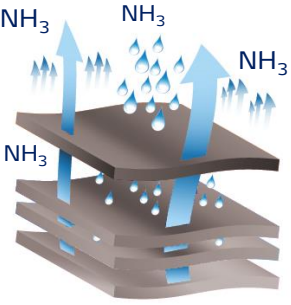
## In our soil

- The amount of boron is generally low.
- Boron needs water to penetrate into the roots, but too much water can leach it away.
- Boron has little mobility in plants.
- Input must be consistent to ensure distribution throughout the plant, especially to ears.

# N-POWER BLUE

a less volatile composition,

when you apply nitrogen without incorporating it to ensure better yields

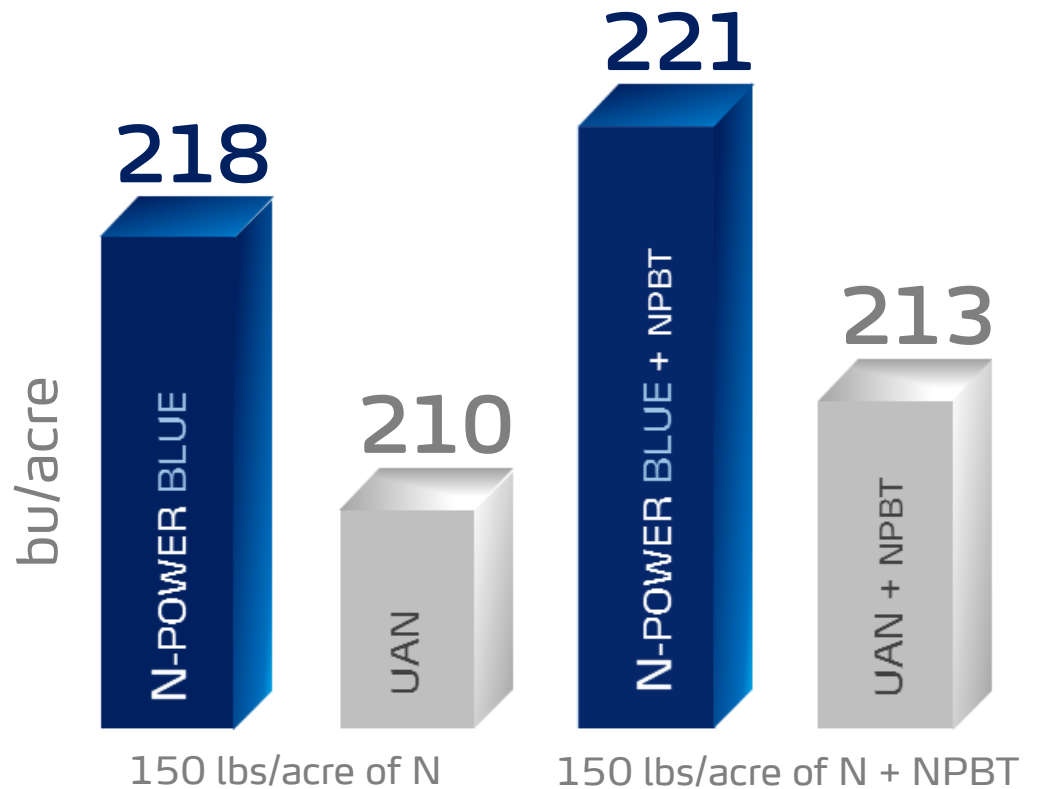


The N-POWER BLUE is a unique formula which greatly reduces the risk of nitrogen volatilization. It does not contain any additives that delay nitrogen availability and it achieves higher yields than the 32% solution treated with a urease inhibitor (NBPT). The 32% solution has a high pH and when applied to soil in contact with residues and organic matter, before or after light rain, a significant amount of nitrogen is likely to volatilize and evaporate into the atmosphere.

## NPOWER BLUE VS UAN APPLIED AT V5-6 STAGE AT A RATE OF 150 LBS/ACRE OF NITROGEN NOT INCORPORATED



- Crop: Grain-corn
- Year: 2017
- Site: St-Hyacinthe
- Source: R&D Synagri
- 4 repetitions per treatment
- Application of 45lbs/acre nitrogen in starter
- Corn price \$4.83/bu (\$190/TM)



Net Gain with N-POWER BLUE  
acre

+ 8 bu  
+ \$30

+ 8 bu  
+ \$30



GROW CROPS DIFFERENTLY

# N-POWER BLUE

a complementary composition,

sulfur and nitrogen are essential  
to ensure better yields



Nitrogen is essential for high yields. Sulfur is involved in the assimilation of nitrogen into protein. Sulfur-deficient plants have less protein even if the plant receives enough nitrogen. Note that nitrogen you apply can be wasted if your soil lacks sulfur.

## WHY ?

- Sulfur is needed to metabolize nitrogen in the plant that has been applied to soil. In other words, the absence of sulfur can cause nitrogen deficiency in the factory, which is the plant.
- To take full advantage of this synergy, nitrogen and sulfur must be supplied at the same time at the same absorption site, that is, at the root level in the soil solution surrounding the root hair.
- **N-POWER BLUE** provides this synchronized nitrogen-sulfur availability directly to the right place, in the right amount, when the need is greatest.

