YaraVera® AMIDAS™

OPTIMAL NITROGEN-SULFUR RATIO

homogeneous, less volatile, stronger, uniform spreading

N:S **40-0-0 5.5(S)**

40% nitrogen and 5.5% sulfur in the same granule

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

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GROW CROPS DIFFERENTLY

YaraVera® AMIDAS™

homogeneous composition,

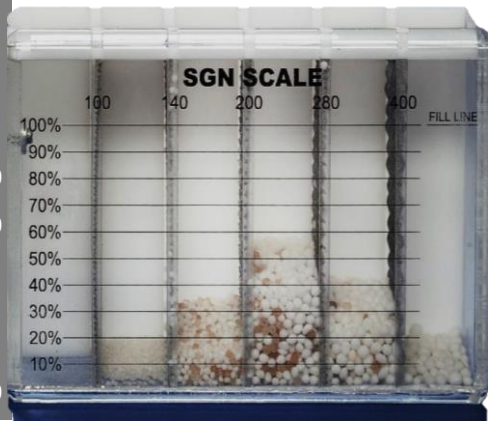
therefore, uniform spreading
to ensure better yield

The Amidas is unique because of its production process. Urea liquor and ammonium sulfate are combined during the manufacturing process to create a homogeneous granule. It is a truly homogeneous product that ensures uniformity application. The ammonium nitrogen and sulfate sulfur are immediately available to plants. AMIDAS's N:S ratio of 7.3:1 is ideal for most crops.

40-0-0 5.5(S)

Classic Blends

Physical blend of urea and ammonium sulfate, granular segregation



Amidas

Blend of urea and ammonium sulfate, in the same granule, no segregation

Amidas' homogeneous composition of urea and ammonium sulfate will not segregate. The physical blend of urea and ammonium sulfate does. Note the ammonium sulfate (brown) concentration in the 1.4mm to 2.8mm size fractions in classic blends.

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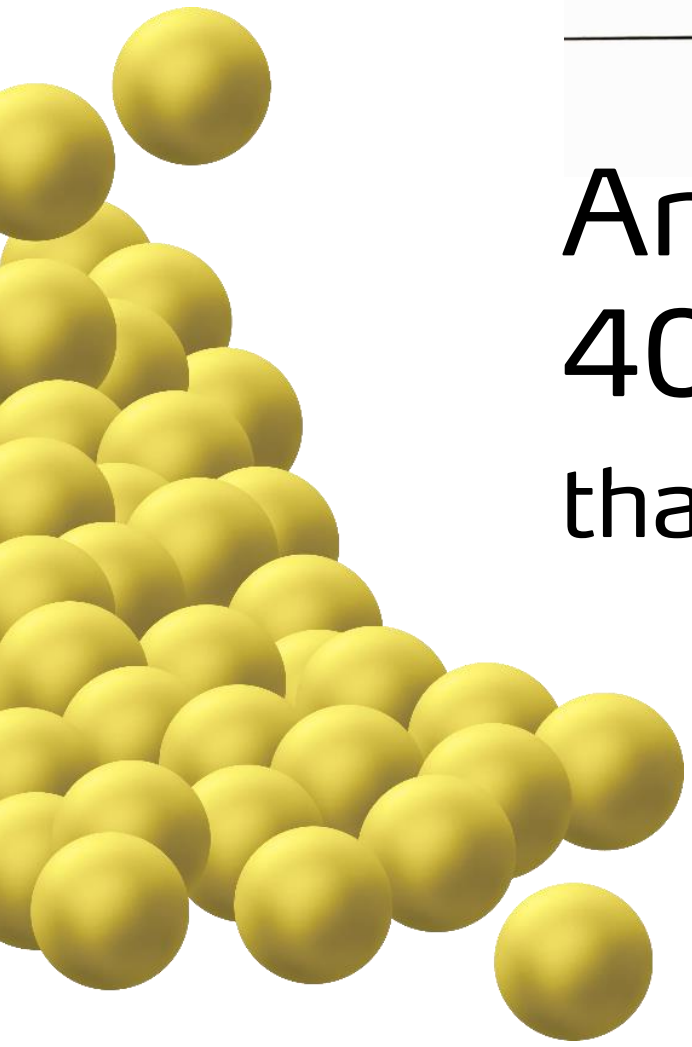
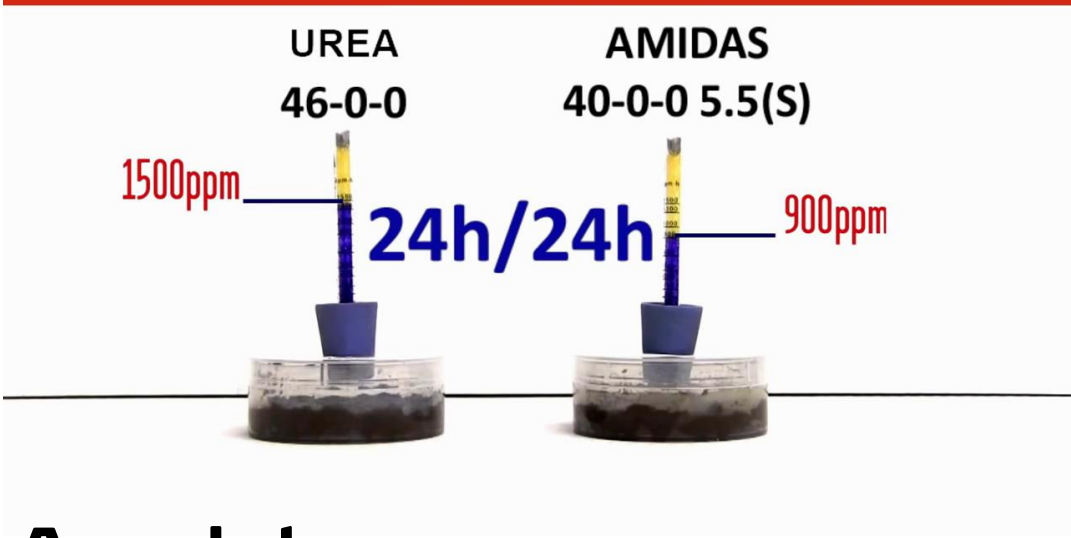
a less volatile composition,

therefore, stay active longer where it is necessary to ensure better yields

N:S 40-0-0 5.5(S)



NITROGEN VOLATILIZATION TEST



Amidas, 40% less volatile than Urea

A **nitrogen volatilization laboratory test** was conducted to compare Amidas 40-0-0 5.5(S) vs Urea 46-0-0.

See in less than 2 minutes (24h, time-lapse) in this video how Amidas is less volatile (40% less volatile) than urea : https://youtu.be/DFs4Qb5xzyA

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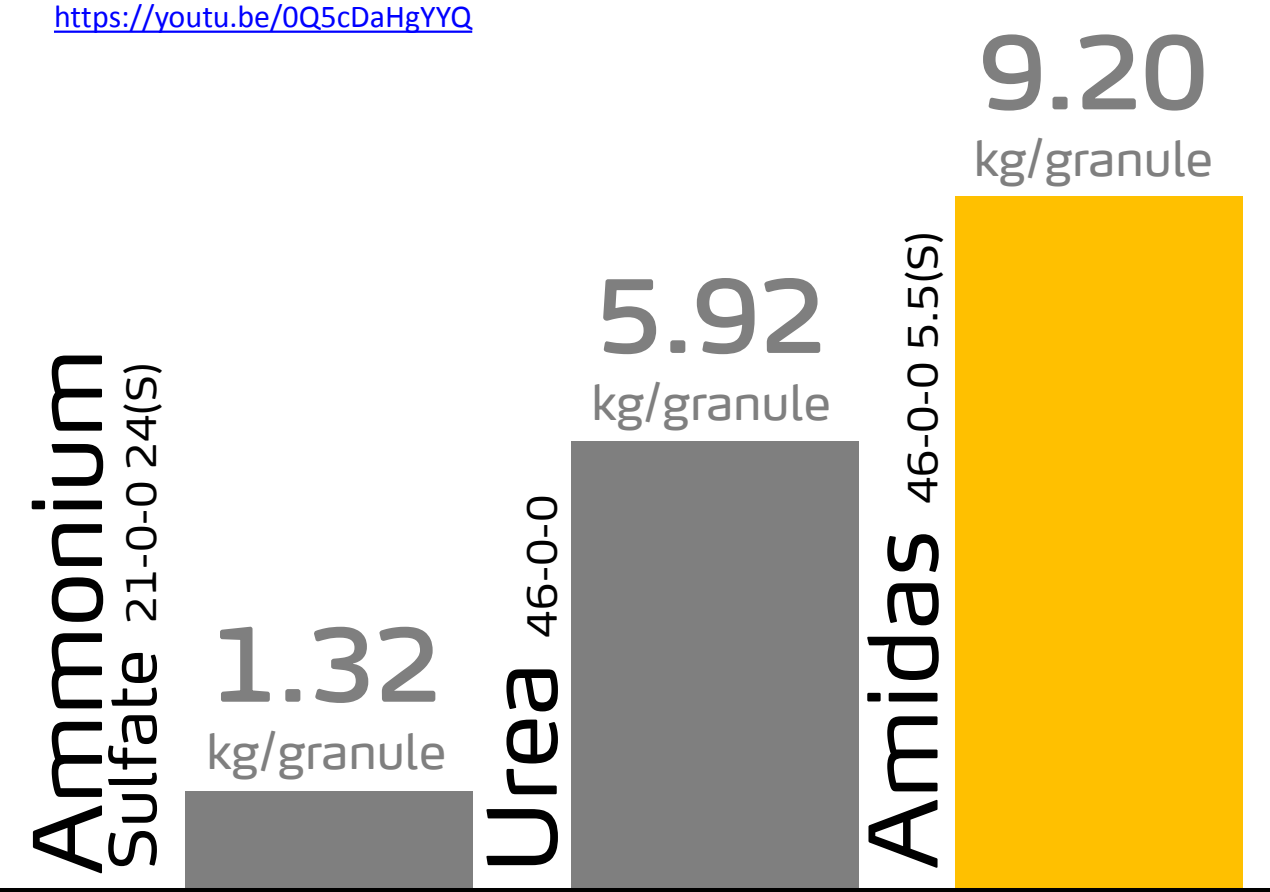
a stronger composition,

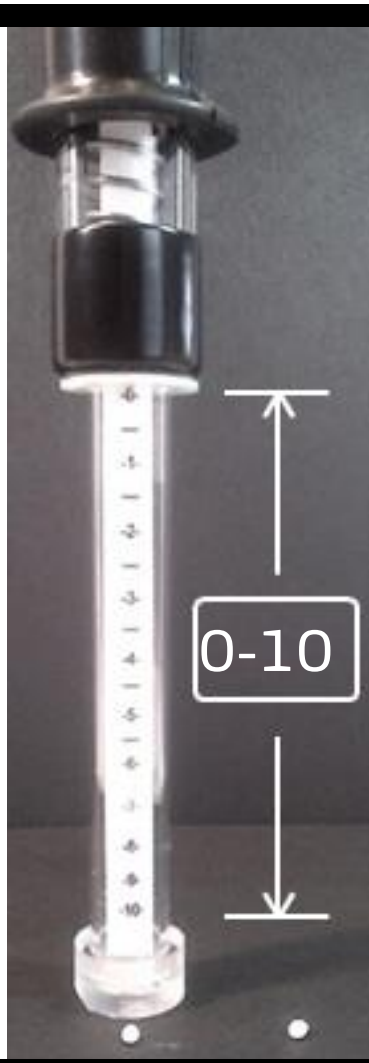
therefore, less dust and a greater distribution to ensure better yields

Using an hardness meter, Amidas 40-0-0 5.5(S) is demonstrated to be stronger (average: 9.20 kg/granule) than granular urea 46-0-0 (average: 5.92/kg/granule) and ammonium sulfate 21-0-0 24(S) (average: 1.32 kg/granule) . In addition to the granule hardness, Amidas offers superior handling due to particle uniformity and its virtually dust-free consistency.

40-0-0 5.5(S) N:S

See the **relative hardness test** performed in a laboratory:
https://youtu.be/0Q5cDaHgYYQ





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GROW CROPS DIFFERENTLY

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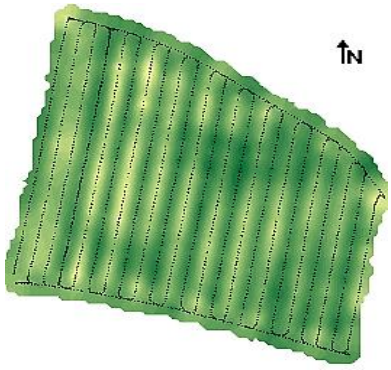
uniform spreading,

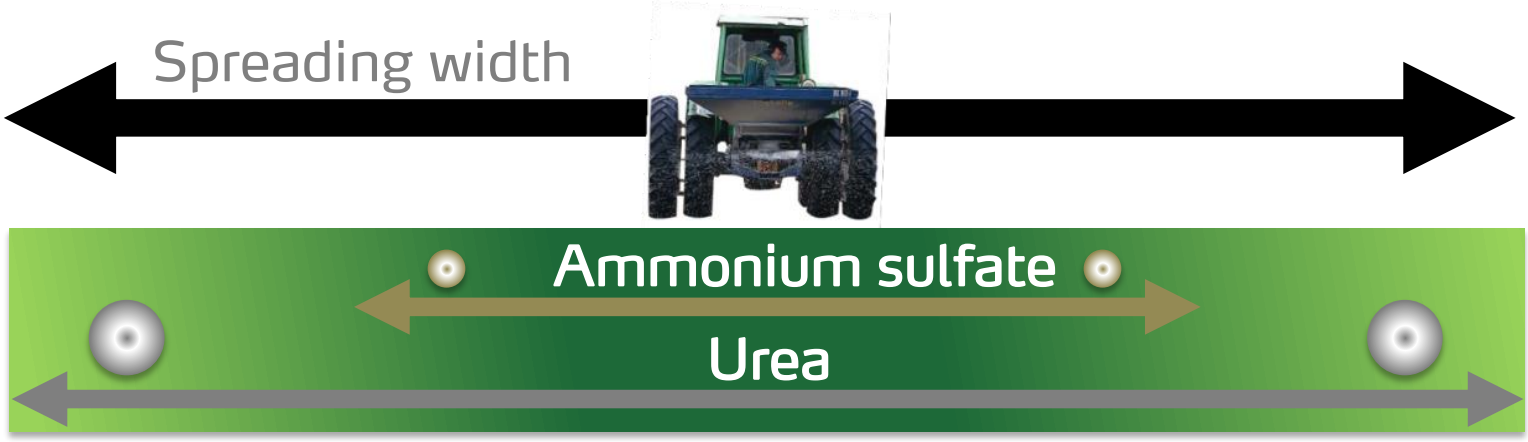
therefore, no defiency or overdosing
to ensure better yields

The spreading width of small light particles is less than that of a larger heavier particles in a blended mixture.



Striped fields from poor spreading patterns can cause yield loss due to:

- nutrient deficiency
- nutrient overdosing
  - lodging
  - quality loss



Uneven nutrient application causes striped fields and reduced yields

Amidas is homogenous; even nutrient distribution is achieved

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