Ammonium Sulphate from Air Scrubbers

AMMONIA + SULPHURIC ACID + WATER >

3-10 % N Solution + Sulphur

CO2 FOOTPRINT : 0

An Excellent Spring Fertilizer:

NH4 injected into the rootzone

minimizes leaching and volatilization of N2O and NH3

When mixed with chemical N fertilizers: NITROSOL, ANASOL ETC
Ammonium Sulphate from Air Scrubbers
• Film inno-plus

• https://www.youtube.com/watch?v=jtxprwGe4cw
Ammonium Sulphate from Air Scrubbers

SUPPLY

12.238.120 Pigs
1.630.000 Cows:

40.000 tons of Nitrogen
+40.000 tons of Nitrogen from industrial waste processing
Ammonium Sulphate from Air Scrubbers

DEMAND
In the area nearby:

350,000 ha grassland & maize
50,000 ha potatoes & cereals
50,000 ha other crops:

40,000 tons of Nitrogen

Equipment:
Ammonium Sulphate from Air Scrubbers

SFO Smart Fertilization Organisation

DVD 10/10/16
Ammonium Sulphate from Air Scrubbers
Ammonium Sulphate from Air Scrubbers
• FILM  Sulphate of Ammonia injected together with planting of potatoes spring 2016

• See:
  https://www.youtube.com/watch?v=qHfsYyIT0Rw
Ammonium Sulphate from Air Scrubbers
• Film Precisiebemesting met spuiloog op gras van Loonbedrijf Slingerland en van den Berg

• https://www.youtube.com/watch?v=3cBg4e2M8uE
Ammonium Sulphate from Air Scrubbers
• FILM Spaakwielinjector Ven AGRA Service
• https://www.youtube.com/watch?v=SapKlgXA_N4
Ammonium Sulphate from Air Scrubbers
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Ammonium Sulphate from Air Scrubbers

FILM
https://www.youtube.com/watch?v=By3YVgWmZY
Ammonium Sulphate from Air Scrubbers

The CO2 Footprint of Potatoes - on farm level -
Emission : 40-60 % from fertilizers due to emissions at production and application
Carbon, one of the potato footprints

CFT-Potato output of 4 NL systems

<table>
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<tr>
<th>Factor</th>
<th>Table</th>
<th>Organic</th>
<th>Seed</th>
<th>Starch</th>
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<tr>
<td></td>
<td>kg</td>
<td>%</td>
<td>kg</td>
<td>%</td>
</tr>
<tr>
<td>Seed</td>
<td>3.9</td>
<td>5.1</td>
<td>6.5</td>
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<tr>
<td>Emission</td>
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<td>32.6</td>
<td>26.3</td>
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<td>Biocides</td>
<td>5.1</td>
<td>6.7</td>
<td>0</td>
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<td>9.2</td>
<td>25.8</td>
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<td>1.4</td>
<td>2.0</td>
<td>2.4</td>
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<tr>
<td>Storage</td>
<td>10.1</td>
<td>13.1</td>
<td>22.3</td>
<td>26.9</td>
</tr>
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<td>Sprout inhibition</td>
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<td>0.3</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Total</td>
<td>77.1</td>
<td>100</td>
<td>82.4</td>
<td>100</td>
</tr>
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</table>

Bron: WPC lezing, Dr. A. Haverkort, 12 oktober 2011
THE CO2 FOOTPRINT OF POTATOES

Visit us at: www.walkers.co.uk

working with the Carbon Trust

120g CO2 per pack

We promise to continue working with the Carbon Trust and our suppliers to further reduce the carbon footprint of our crisps.

It's very rare that our spuds don't make perfect crisps, but if it ever happens then they're on us! If you don't think these crisps are top taters, tell us why, where you bought them and send them back to us (with the bag) to:

Consumer services department,
Walkers Snack Foods Ltd.
Ammonium Sulphate from Air Scrubbers

The CO2 Footprint of Potatoes - on farm level -

Emission : 0  AS from AS due to O emissions at production and application