



# NITROPHOSKA BLUE

## Maximise the potential of Nitrophoska Blue with Entec

### What is Entec Nitrophoska Blue?

Entec Nitrophoska Blue is a nitrogen, phosphorus, potassium compound fertiliser containing a nitrogen stabiliser additive.

#### PRODUCT ANALYSIS

##### Primary Nutrients

12.0%	Nitrogen (N) → 6.8% Ammonium (NH <sub>4</sub> ) Nitrogen → 5.2% Nitrate (NO <sub>3</sub> ) Nitrogen
5.2%	Phosphorus (P) → 2.6% P water soluble
14.1%	Potassium (K) as potassium sulfate, water soluble

##### Secondary Nutrients

4.3%	Calcium (Ca)
1.2%	Magnesium (Mg)
6.0%	Sulfur (S)
0.02%	Boron (B)
0.01%	Zinc (Zn)

Entec Nitrophoska Blue also contains traces of Copper (Cu), Manganese (Mn) and Molybdenum (Mo) which are derived from the phosphate and potassium minerals used to make the product.

The potassium is in the sulfate form which makes Entec Nitrophoska Blue suitable for chloride sensitive crops.

### Why use Entec Nitrophoska Blue over other NPK compounds?

Entec Nitrophoska Blue contains the nitrification inhibitor 3,4-Dimethylpyrazolephosphate (DMPP), also known by the product name Entec. Entec stabilises ammonium nitrogen in the soil by delaying the activity of the Nitrosomonas bacteria. During the active phase of Entec (4 to 10 weeks, depending on soil temperature and soil humidity), the conversion of ammonium to nitrate is delayed and this delay better synchronises the availability of nitrogen in line with crop demand.

The benefits of using Entec Nitrophoska Blue can be seen as:

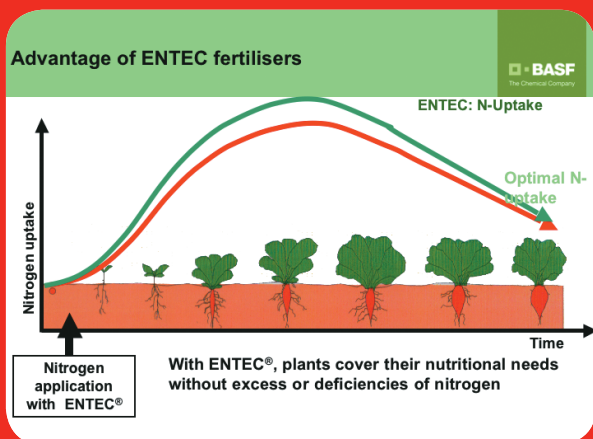
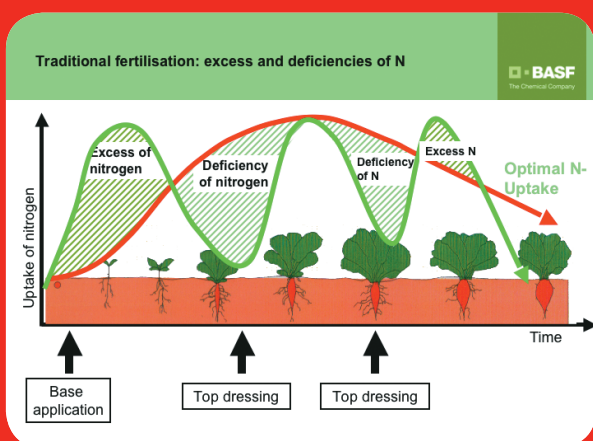
- Reduced leaching from the root zone when large amounts of irrigation or rainfall occur.
- Improved marketable yields - the increased concentration of stabilised ammonium has the potential to promote plant uptake, which means that crops can often reach their quality grades earlier.

(continued overleaf)



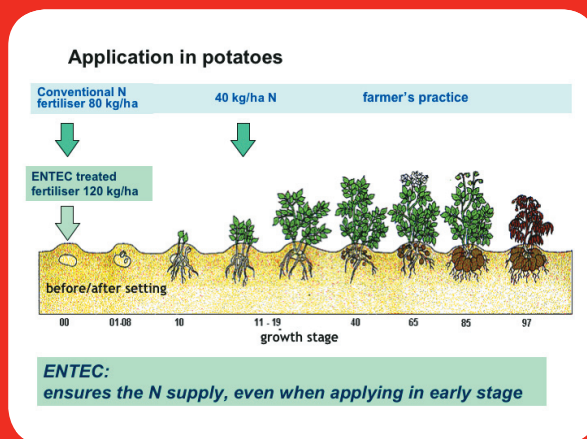
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- Increased plant quality – European experience has shown that plants receiving Entec Nitrophoska Blue have the potential to be more compact, have a darker leaf colour and be more homogenous.
- Better crop utilisation of applied nitrogen can be achieved by reducing the effect of nitrogen pulsing. This means that nitrate is supplied to the plant in accordance with plant growth, reducing the deficiencies and excesses in nitrogen often associated with the traditional fertiliser programs.



- Reduced labour costs can be achieved due to this stabilised product offering flexibility in fertiliser application. European experience has shown that crops using Entec Nitrophoska Blue can achieve

similar yields with the application interval extended – often eliminating an application round. Fertiliser rates may also be varied due to better utilisation of applied nitrogen – with lower rates achieving similar yields or equivalent conventional rates increasing yield.



- Environmental benefits – reduced nitrogen leaching minimises the risk of soil acidification and nitrogen gaseous losses due to denitrification.

## Recommendations for application.

Entec Nitrophoska Blue is suitable for the base and top dressing of most horticultural crops including fruits, grapes, ornamentals and vegetables.

It is also suitable for use on chloride sensitive crops, eg. lettuce, beans, carrots, peas, onions & celery, and salt affected soils.

The amount of Entec Nitrophoska Blue applied will vary according to crop, expected yield, soil nutrient reserves, total fertiliser program and seasonal influences. Local agronomic conditions should therefore be taken into account, as these may affect responsiveness of the fertiliser application.

**For details from the fertiliser specialists,  
contact your local Incitec Pivot Agent or Dealer.  
Freecall 1800 333 197**

**[www.incitecpivot.com.au](http://www.incitecpivot.com.au)**

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