

# Nor-Grape® 80



Vit E replacer



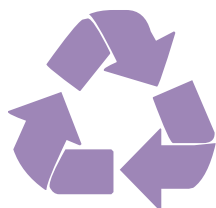
Partially replaces vitamin E, up to 50%

**Nor-Grape 80** is a standardized grape extract rich in polyphenols (very potent natural antioxidants), anthocyanins & proanthocyanidins. Vitamin E can be partially replaced by **Nor-Grape 80**.

## Product Highlights

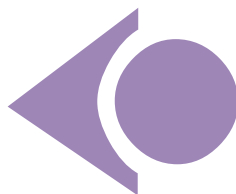
- ▶ Synergy with other antioxidants
- ▶ Optimization of the antioxidative defense
- ▶ Can be used in organic farming
- ▶ Low inclusion rate
- ▶ Well characterized and fully standardized plant extract

## Mode of action



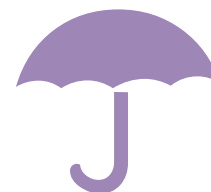
Synergy with other antioxidants

Can regenerate vitamin E (redox reaction) and overcome its limitations



Free radicals neutralisation

Antioxidants neutralize free radicals activity by donating electrons



Protection of membranes against oxidation

Nor-Grape 80 offers a better resistance to oxidative stress.

## Instruction for use

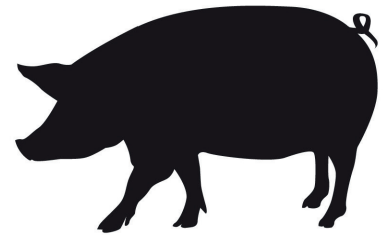
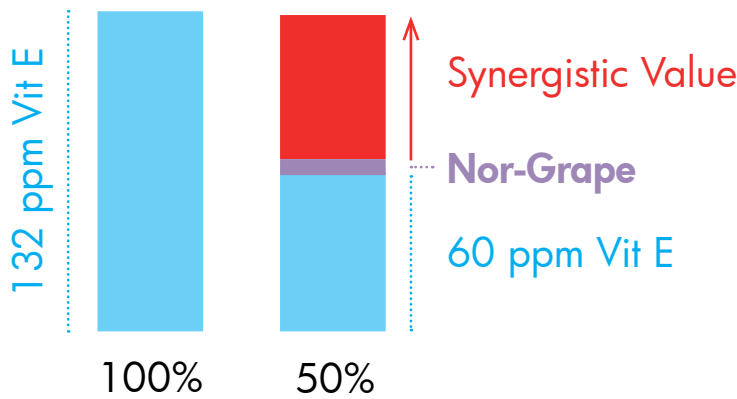


**Powder** 1 g of Nor-Grape 80 can replace 11 g of vitamin E (up to 50% substitution)

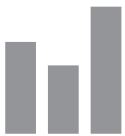
## Material & Methods





- ▶ Calculation of Vitamin E substitution by Nor-Grape 80
- ▶ Based on fattening pigs



## Results



	Nor-Grape 80
 <b>Nor-Grape substitution quantity</b> to pure vitamin E	<b>6 ppm (ratio 1:11)</b>
Price for <b>Vitamin E</b> (50%)	9 €/kg
Price for <b>Nor-Grape</b>	130 €/kg
<b>SAVINGS PER TON OF FEED</b>	 <b>0,41 €/t</b>

## Conclusion



- ▶ 1g of Nor-Grape 80 can replace 11g of vitamin E (up to 50% substitution)
- ▶ In this example, Nor-Grape 80 allows a saving of **0,41 €/t of complete feed**

Others trials available upon request