

**vardan**  
**sugar**



## NATURAL BRIX ENHANCER

AMINOACIDS 7,8%

### **Natural brix enhancer - increases synthesis of sucrose**

Homogeneous ripening - a greater percent of fruit ripens at the same time which typically results in a greater pick on first harvest. Homogeneous ripening also reduces harvest frequency because more fruit ripens at the same time. Provides crops with a greater capacity to synthesize polysaccharides (sugars); by increasing the synthesis of two of the main polysaccharides, cellulose (structural function) and starch (reserve function) achieving a direct effect on maturation, colouring, flavour whilst improving sugar content (brix).

Produced with modern fermentation technologies combined with natural organic chemistry. It contains a specific amino acid profile, secondary metabolites, organic matter, fulvic acids and oligosaccharides, elements such as Fe and K, betaines, enzymes, auxins and vitamins.

**Natural brix enhancer - increases synthesis of sugar....**High concentration of biologically active molecules to promote sugar formation and ripening processes including colour.

**Precocity -** Use when brix increase required for earlier harvest.

- Increases the synthesis of two of the main polysaccharides, cellulose (structural function) and starch (reserve function) .
- Increases the mobilisation and accumulation of solutes in the fruit.
- Improves organoleptic qualities of the fruit like flavour, aroma and colour.
- Obtained through bacterial fermentation, providing the crop with additional biostimulants including an amino acid

Composition	(% w/v)
Oligosaccharides	38.3
Free Amino Acids	10.3
Fulvic Acid	19.8
Total Nitrogen (N)	6.6
Total Organic Matter	85.8

Aminogram - obtained from bacterial fermentation. (Plant based)

Aspartic Acid 0.83%, Glutamic Acid 5.45%, Alanine 0.99%, Arginine 0.01%, Phenylalanine 0.01%, Glycine 0.04%, Histidine 0.01%, Isoleucine 0.01%, Leucine 0.02%, Lysine 0.01%, Proline 0.31%, Serine 0.03%, Tyrosine 0.02%, Threonine 0.01%, Valine 0.05%.

**Foliar:** 200 - 400ml/100L water

**Fertigation:** 20L/ha

It is recommended a minimum of 2 - 3 applications depending on the crop.

**Vegetables** - Tomatoes, Peppers, Eggplant

Apply at the fruit growth stage every 7 - 10 days.

**Cucurbits** - Melons, Watermelons

Early seeding: Apply at least 2 times, 30 and 15 days before harvest.

Late seeding: Apply at least 2 times, 25 and 10 days before harvest.

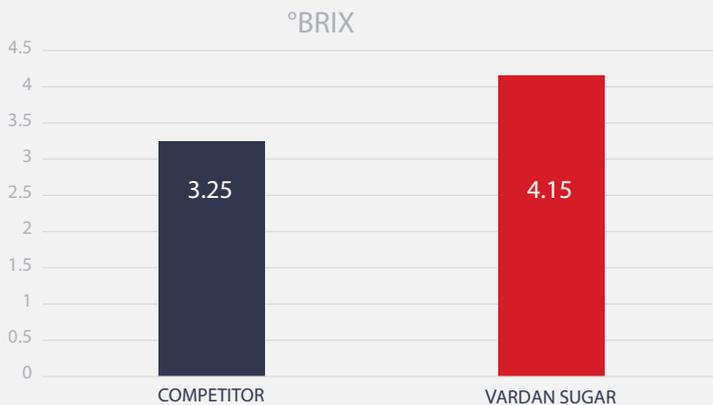
**Fruit Trees** - Mangoes, Avocados, Citrus, Bananas etc

Apply 45, 30 and 20 days before harvest.

**Vines**

Apply 30, 20 and 10 days before harvest.

## PROCESSING TOMATOES



**3 Vardan Sugar applications (20 L/ha):**

- 21 days before harvest.

- 14 days before harvest.

- 7 days before harvest.

**The application of Vardan**

**Sugar increased BRIX by 28%,  
increasing the sugar content  
from 3.25 to 4.15 (Bx).**

## WINE GRAPES



**3 Vardan Sugar applications (15 L/ha):**

- 30 days before harvest.

- 20 days before harvest.

- 10 days before harvest.

**The application of Vardan  
Sugar increased °BRIX by 14%,  
increasing the sugar content  
from 17.9 to 20.35 (°Bx).**

