



# Vitalem Forte®

AMINO ACIDS FROM TOTAL ENZYMATIC HYDROLYSIS

## Benefits of its use

**VITALEM FORTE** formulation contains a high concentration of L-free amino acids obtained by a controlled process of enzymatic hydrolysis. This process maintains the chemical properties and the biological activity of the amino acids.

**VITALEM FORTE** produces an immediate effect on developing crops helping them with organ development (roots, flowers, and fruits), maximizing protein biosynthesis and saving energy to the crop. **VITALEM FORTE** helps plants achieve a proper hydric balance, especially during harsh environmental conditions.

**VITALEM FORTE** is obtained from 100% vegetal sources, and provides the correct proportions of amino acids to achieve an optimal hormonal balance in every important developmental stage of the crop (root system, vegetative growth, flowering, pollen development, fruit setting and fruit growth).

In fertigation **VITALEM FORTE** activates the soil flora (bacteria) responsible of the mobilization of nutritive elements, thus increasing their availability to the crop.

**VITALEM FORTE** is a powerful tool to reactivate vegetative growth after environmental and /or biotic stress.



## Composition

(%w/w)

L-free amino acids <sup>1</sup>	12,00
Total nitrogen	2,00

<sup>1</sup> Amino acids obtained by enzymatic hydrolysis of vegetal proteins

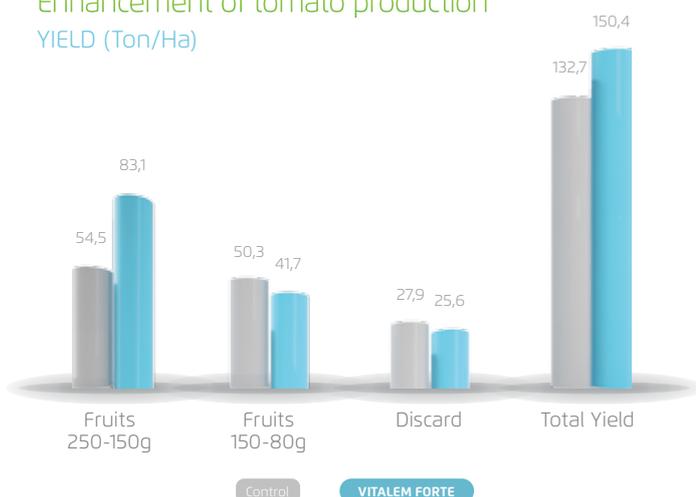
### Standard aminogram:

Aspartic acid, Glutamic acid, Serine, Histidine, Glycine, Threonine, Arginine, Alanine, Tyrosine, Valine, Methionine, Phenylalanine, Isoleucine, Leucine, Lysine, Hydroxyproline, Proline

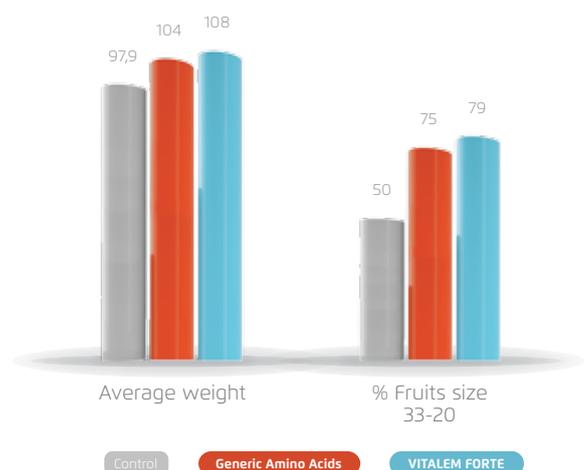
## Efficacy Trials

Enhancement of tomato production

YIELD (Ton/Ha)



Effect on weight and size, Kiwi (Chile)





## Application System

**VITALEM FORTE** can be applied at any moment during the crop cycle. It is especially recommended after stress (drought, plagues, pathogens or applications of plant protection products).

It can be applied by foliar spraying, and also by drench or fertigation. Apply every 10-15 days with enough water volume to cover the whole foliar area.

## Stability and Storage

**VITALEM FORTE** is stable during at least 3 years from the manufacture date.

Keep in a fresh and ventilated place with temperatures below 50°C.

Do not store for prolonged periods under direct sunlight.

Keep away from children.

Do not eat, drink or smoke while handling this product.

## Dosage

CROP	DOSAGE		OBSERVATIONS
	L/Ha	cc/100L	
Vegetables	2 - 3	200 - 300	3 - 4 applications after transplant
Fruit trees	2 - 3	200 - 300	Shooting, fruit setting and fruit growth
Citrus	2 - 3	200 - 300	Shooting, fruit setting and fruit growth
Table grape	-	100 - 200	Shooting, pre-flowering, fruit setting and 3 weeks before harvest
Olive trees	3 - 5	300 - 500	Pre-flowering and during fruit hardening
Banana	3 - 5		During the whole cycle
Strawberry, berries	3 - 5	300 - 500	3 applications distributed during the crop cycle
Cereals	-	200	Together with plant protection products
Alfalfa	-	300	10 days after each cut
Cotton	-	200 - 300	During first stages and at the beginning of flowering
Ornamentals	1 - 2	100 - 200	At transplant, and 3-4 applications during the whole cycle
Beets, potato	2 - 3	200 - 300	3 applications distributed during the crop cycle
Rice	2 - 3	200	Post-herbicide applications for recovering

## Compatibility

For mixing with any other product conduct a test in a small volume to assess compatibility.

If you have any doubt, please contact your local dealer for technical advice.