

# FITOSTIM<sup>®</sup>



NUTRITION

STRONG  
BIOSTIMULANT  
ACTION

RICH IN FREE AMINO ACIDS  
AND POLYPEPTIDES



bioagricert  IFAM  
International ACCREDITED



COMPATIBLE WITH ORGANIC FARMING

# FITOSTIM<sup>®</sup> BIOSTIMULANT ACTION

## LIQUID BIOSTIMULANT

### Specific action product

- Stimulates and accelerates plant metabolisms
- Sustains production in conditions sub-optimal conditions for the plant, optimising yield and quality
- Acts as a vector for the nutrients and optimises their efficacy
- Provides nourishment thanks to the high organic nitrogen content.

### CHARACTERISTICS

FITOSTIM<sup>®</sup> is a biostimulant consisting of amino acids, peptides and peptones that promote growth and revitalisation while stimulating and optimising the productive metabolism of plants. It is transported rapidly across the cell walls and exerts targeted action on the accumulation organs, such as: roots, root tips, flowers, fruit and leaves. Once it reaches the tissues, it is transformed into important metabolites that are essential for the development of the plant (proteins, peptides, sugars, chlorophyll, enzymes and hormones). One of the most important accumulation sites is, without a doubt, pollen, which benefits from the action of the product by increasing its vitality. In addition, by forming complexes with the micro-elements, FITOSTIM<sup>®</sup> facilitates their diffusion throughout the plant.



1 kg/Ha Mean recommended dose



#### COMPOSITION

ORGANIC NITROGEN (N) Total of which water soluble 8%	8.0%
ORGANIC CARBON (C) of biological origin	25.2%
RATIO C/N	3.15
Mean molecular WEIGHT of the hydrolysates	< 2500 Dalton
Ratio: glycine/proline + hydroxyproline	1,1
Degree of hydrolysis on dry matter	380
Free amino acids	15%



#### CLASSIFICATION

CLP -



#### FORMULATION

Brown liquid



#### PACK FORMATS

Bottle: kg 1  
Canister: kg 20 - kg 1100 (PAT)



#### MISCIBILITY AND PRECAUTIONS

The product may have phytotoxic effects on all types of arboreal plants, with the exception of olive trees, and the herbaceous plants that are more susceptible to copper phytotoxicity, if used in combination with, or immediately following the application of copper-based products. • Shake gently before use. Read the label before use.  
\*DO NOT USE on apricot or plum trees.



#### CROP



#### PERIOD OF APPLICATION



#### DOSE



#### NOTES

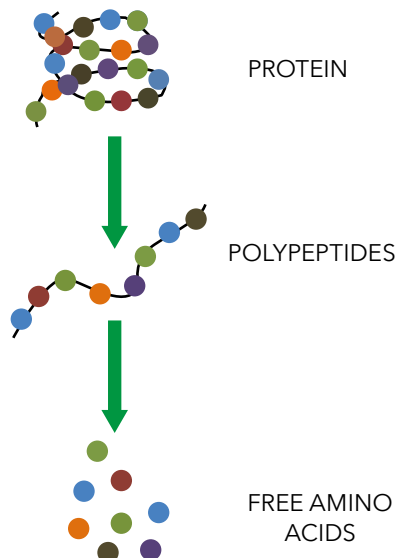
CROP	PERIOD OF APPLICATION	DOSE	NOTES
VINES AND EDIBLE GRAPES	2-3 applications from onset of vegetative resumption, every 15-30 days	1.0-1.5 kg/Ha	The dosage refers recommended spraying volumes of 1000 L/ha for fruit bearing plants and vegetables; 500 l/ha for cereals and industrial crops. Fertigation, as a synergist to mineral fertilisers: 5-10 kg/ha.
APPLE AND PEAR TREES	3-4 applications from onset of pre-flowering, every 20-30 days	1.5-2.0 kg/Ha	
PEACH AND DRUPACEOUS FRUIT TREES	2-3 applications from FRUIT SETTING, every 10-20 days	1.0-1.5 kg/Ha	
ACTINIDIA AND FRUIT BEARING PLANTS IN GENERAL	2-3 applications from onset of vegetative resumption at fruit enlargement	1.0-1.5 kg/Ha	
OLIVE TREES	Apply during pre-flowering and drupe enlargement	2.5-3.0 kg/Ha	
CITRUS TREES	Apply at vegetative resumption, fruit setting and veraison	1.5-3.0 kg/Ha	
EATING TOMATOES, MELONS, POTATOES, STRAWBERRIES, FRUIT VEGETABLES	2-3 applications from the initial phases, repeating once every 10-15 days	1.0-2.0 kg/Ha	
LETTUCE, ROCKET, LEAF VEGETABLES	1-3 applications from the initial phases, repeating once every 10-15 days	1.0-1.5 kg/Ha	
INDUSTRIAL AND OIL-SEED CROPS	During the formation and accumulation phase of the sugary/oily substances.	2.5-3.0 kg/Ha	
CEREALS	Applications during ripening.	3.0-4.0 kg/Ha	
FLOWERS AND ORNAMENTALS IN GENERAL	During initial phases up to the formation of buds, repeating once every 15-20 days. Do not use on open petals.	100-150 g/hl	



NUTRITION

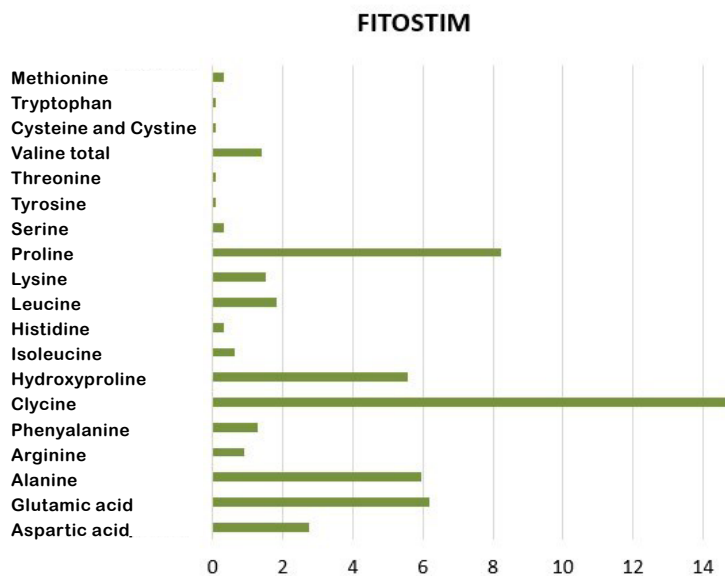
## Protein hydrolysis process

The intensive protein hydrolysis process employed in the production of FITOSTIM® guarantees a large quantity of free amino acids and polypeptides

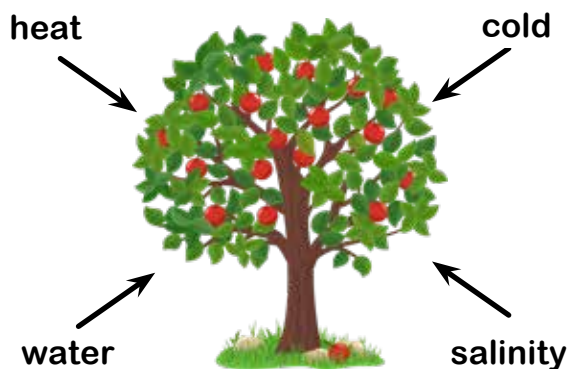


## Composition of amino acids

The variety and abundance of amino acids FITOSTIM® is designed to maximise its biostimulant effect.



### CAUSE OF STRESS



### with FITOSTIM

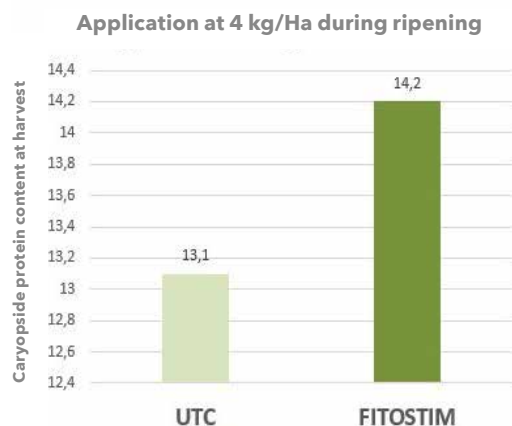


### without FITOSTIM



## Experience in wheat, North Italy area

results following application at 4 kg/ha during ripening







# FITOSTIM<sup>®</sup>

## Why is the use of biostimulants becoming increasingly important in agriculture?

The constant and unpredictable changes in environmental conditions are the principal factors limiting the growth of crops, and exert far-reaching effects on the health of plants and, hence, the quantity and quality of yields.

To limit the damage caused to plants by stress situations arising during the growing season, an efficacious response lies in the use of substances that promote or emphasize the plants' natural biochemical acclimatisation and stress-response processes.

Thus, biostimulants represent the most effective means of optimising our crop yields, irrespective of the cultivation system in use.

## Try FITOSTIM<sup>®</sup> for optimised fertilisation in association with FRUTTAFLOR and foliar supplements



### FRUTTAFLOR MINERAL FOLIAR FERTILISERS

	Nitrogen Total	Nitrogen	Nitrogen	Ureic Nitrogen	Phosphorus	Potassium	Sulphur trioxide	Boron	Iron	Manganese	Zinc
	N%	NO <sub>3</sub> %	NH <sub>4</sub> %	%	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O%	SO <sub>3</sub>	B%	Fe%	Mn%	Zn%
<b>START</b>	27	4.00	4.00	19.0	7	14	-	0.01	0.2	0.1	0.01
<b>20-20-20</b>	20	6.00	4.00	10.0	20	20	-	0.01	0.2	0.1	0.01
<b>PK</b>	11	7.00	4.00	-	15	31	-	0.05	0.2	0.1	0.05

### FOLIAR SUPPLEMENTS



	Magnesium Total	Calcium	Boron	Iron	Manganese	Zinc	Molybdenum	Copper	Chelating Agent	Formulation
	MgO%	CaO%	B%	Fe%	Mn%	Zn%	Mo%	Cu%		
<b>AXIBOR 110E</b>	-	-	11.0	-	-	-	-	-	Amines	Liquid
<b>AXICaL</b>	-	15	-	-	-	-	-	-	LSA	Liquid
<b>AXIMaG</b>	8	-	-	-	-	-	-	-	LSA	WDG
<b>AXIMICRO LSA</b>	-	-	0.9	6.8	2.6	1.1	0.2	0.3	LSA	WDG



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