

EXPANDO



INCREASES FRUIT SIZE

EXPANDO is an innovative bio-regulator studied by Green Has Italia Research that contains nutrients and organic components of purely vegetable origin. The components that characterize **EXPANDO** are hormone-like substances derived from seaweed extracts (*Ascophyllum nodosum*), amino acids and vitamins which are able to stimulate the fruit enlargement and standardize the size of the fruit of fruit and vegetable crops.

EXPANDO, thanks to the content in bioactive organic molecules and phosphorus, helps the metabolic and physiological processes that provide energy to the plant, particularly to the photosynthesis, which is essential to the growth of the fruits.

WHY TO CHOOSE EXPANDO

INCREASES FRUIT SIZE AND UNIFORMITY

INCREASES COMMERCIAL PRODUCTION AND REDUCES FRUIT LOSS

FAVORS RACHIS ELONGATION



APPLICATION RATES

CROPS	RATES PER APPLICATION	STAGES AND RECOMMENDATIONS
	FOLIAR*	
FRUIT TREES	3 - 4 l/ha	3-4 treatments starting from fruit-set each 10-15 days
Stone fruit	3.5 - 4.5 l/ha	1 st appl: from stone hardening 2 nd appl: 8-10 days after 1 st treatment 3 rd appl: 8-10 days after 2 nd treatment
Apple	3.5 - 4.5 l/ha	From 20 mm fruit size 3-4 treatments each 12-15 days BBCH 71-72
Pear	3.5 - 4.5 l/ha	From 20 mm fruit size 3-4 treatments each 12-15 days
Kiwi fruit	4.0 - 4.5 l/ha	1 st appl: after fruit-set 2 nd appl: 15 - 20 days after 1 st treatment 3 rd appl: 15 - 20 days after 2 nd treatment 4 th appl: 30 days after 3 rd treatment
Clementine, Tangerine	3.5 - 4.5 l/ha	From 15-20 mm fruit size 3 treatments each 15-18 days
TABLE GRAPE	3.5 - 4.5 l/ha	Fruit size increasing: 1 st appl: berry at size 8-10 mm 2 nd appl: berry at size 15-16 mm 3 rd appl: veraison Rachis elongation: 1 st appl: inflorescences clearly visible BBCH 53 2 nd app: before flowering BBCH 57 3 rd appl: after flowering BBCH73
GRAPEVINE	3.5 - 4.5 l/ha	Fruit size increasing: 1 st appl: after fruit set 2-3 treatments each 10-15 days Rachis elongation: 1 st appl: inflorescences clearly visible BBCH 53 2 nd app: before flowering BBCH 57 3 rd appl: flowerhoods fall BBCH71
OLIVE TREES	3.5 - 4.5 l/ha	Starting from stone lignification: 2 treatments also with agrochemical treatments
VEGETABLES	3.5 - 4.5 l/ha	3-4 treatments starting from fruit-set each 10-15 days
STRAWBERRIES AND SMALL FRUITS	3.5 - 4.5 l/ha	3-4 treatments starting from fruit-set each 10-15 days

*Use the product at the concentration of 3-5‰

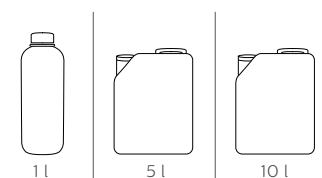
COMPOSITION % w/w (EQUIVALENT TO % w/v AT 20°C)

Nitrogen (N) total	3% w/w (3.8% w/v)
Nitrogen (N) organic	3% w/w (3.8% w/v)
Phosphorus pentoxide (P ₂ O ₅) total	4% w/w (5.1% w/v)
Phosphorus pentoxide (P ₂ O ₅) soluble in water from ortho-phosphoric acid	4% w/w (5.1% w/v)
Potassium oxide (K ₂ O) soluble in water	6% w/w (7.6% w/v)
Boron (B) soluble in water	0.02% w/w (0.25% w/v)
Manganese (Mn) chelated with EDTA soluble in water	0.02% w/w (0.25% w/v)
Molybdenum (Mo) soluble in water	0.1% w/w (0.13% w/v)
Organic carbon (C) from biological origin	12% w/w (15.2% w/v)

PHYSICAL AND CHEMICAL PROPERTIES

Density (at 20°C): 1.27 g/ml
pH (1% w. sol. w/w): 6.5 ± 0.5 u. pH
Electrical conductivity (w. sol. 1 g/l): 350 µS/cm

PACKAGING:



EXPANDO



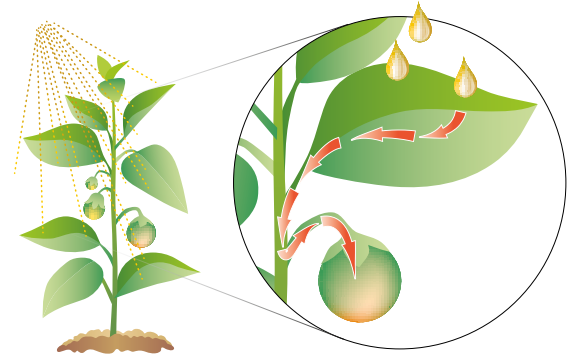
HOW IT WORKS

The plant quickly absorbs **EXPANDO** in foliar application. The content of seaweed extract acts on the cellular division with influence on the hormones involved in the fruit development process like auxins and gibberellins.

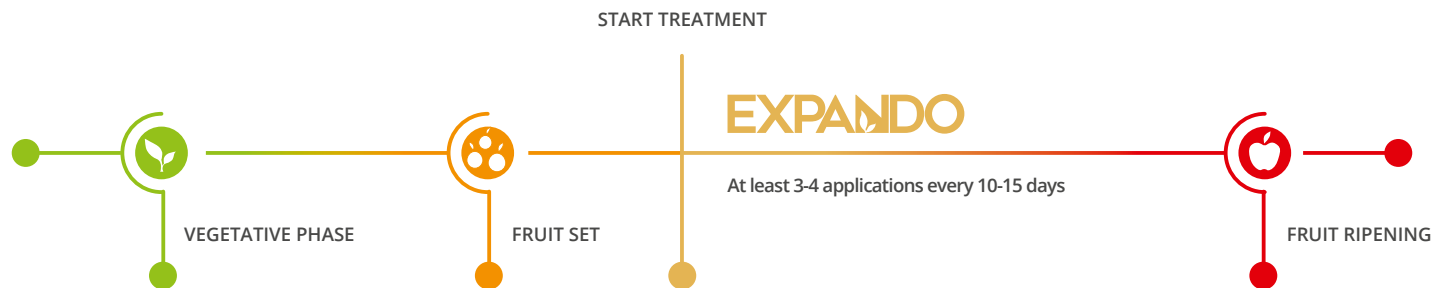
The organic compound (amino acid and vitamins) and the molybdenum favors the nitrogen cycle, fundamental in the fruit development process.

EXPANDO contains also phosphorus, responsible for the energy process regulation, essentials during the development of the fruit, and potassium, nutrients largely requested by the cells during the distension phase and very important for the sugar movement.

We suggest at least 3-4 application every 10-15 days following the indication in the table "application rates".



APPLICATION PHASE



AGRONOMIC TRIALS

