

EXPANDO

THE BEST FRUIT SIZE



EXPANDO is a special fertilizer containing nutritive elements and organic compounds entirely of plant origin.

The organic components of **EXPANDO** are substances with hormone-like activity naturally present in seaweed extracts, that are able to stimulate the fruit enlargement and even out the fruit size.

EXPANDO, thanks to its bioactive molecules, helps the metabolic and physiological processes that provide energy to plants like photosynthesis, essential for fruit growing. Moreover, **EXPANDO** makes fruits more resistant to falling and improves crop yields.

WHY CHOOSE EXPANDO

- 1** Increases fruit size and uniformity
- 2** Increases the commercial value of the production
- 3** Promotes rachis elongation and reduces millerandage

APPLICATION RATES

CROPS	DOSES		STAGES AND RECOMMENDATIONS
	FOLIAR		
FRUIT TREES			3-4 treatments starting from fruit set each 10-15 days
Stone fruits	2.5 - 3.5 l/ha	1 st application: from stone hardening 2 nd application: 8-10 days after 1 st application 3 rd application: 8-10 days after 2 nd application	
Apple and Pear		From 20 mm fruit size (or after thinning) 3-4 applications each 12-15 days	
Hazelnut		From early fruit enlargement. 1 st application between E and F, 2 nd application between G and H	
Actinidia	3.5 - 4.5 l/ha	1 st application: after fruit set 2 nd application: 15-20 days after 1 st application 3 rd application: 15-20 days after 2 nd application 4 th application: 30 days after 3 rd application	
Clementine / Tangerine	3.5 - 4.5 l/ha	From 15-20 mm fruit size, 3 applications each 15-18 days	
TABLE GRAPES	3.5 - 4.5 l/ha	Berry enlargement: 1 st application: berries 4-6 mm fruit size 2 nd application: 10-16 mm fruit size 3 rd application: pre-veraison	
		Rachis elongation and millerandage reduction: 1 st application inflorescences clearly visible (or in the presence of 6 leaves at least) 2 nd application: inflorescences fully developed; flowers separating 3 rd application: flower hoods fall	
WINE GRAPES	Rachis elongation and millerandage reduction: 1 st application inflorescences clearly visible (or in the presence of 6 leaves at least) 2 nd application: inflorescences fully developed; flowers separating 3 rd application: flower hoods fall		
OLIVE TREES	2.5 - 3 l/ha	From stone hardening, 2 applications (also with pesticides)	
VEGETABLES	2.5 - 3.5 l/ha	From fruit set, 3-4 applications each 10-15 days	
STRAWBERRY AND SMALL FRUITS	3 l/ha	From fruit set, 3-4 applications each 10-15 days	

COMPOSITION % w/w (equivalent to % w/v at 20°C)

Total Nitrogen (N)	3% w/w (3.8% w/v)
Organic Nitrogen (N)	3% w/w (3.8% w/v)
Total Phosphorus pentoxide (P ₂ O ₅)	4% w/w (5.1% w/v)
Phosphorus pentoxide (P ₂ O ₅) sol. in water from orthophosphoric acid	4% w/w (5.1% w/v)
Potassium oxide (K ₂ O) soluble in water	6% w/w (7.6% w/v)
Organic Carbon (C) from biological origin	12% w/w (15.2% w/v)
Boron (B) soluble in water	0.02% w/w (0.025% w/v)
Manganese (Mn) chelated by EDTA sol. in water	0.02% w/w (0.025% w/v)
Molybdenum (Mo) soluble in water	0.1% w/w (0.13% w/v)

PHYSICAL AND CHEMICAL PROPERTIES:

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

EXPANDO

BIOLOGICAL ACTIVITY

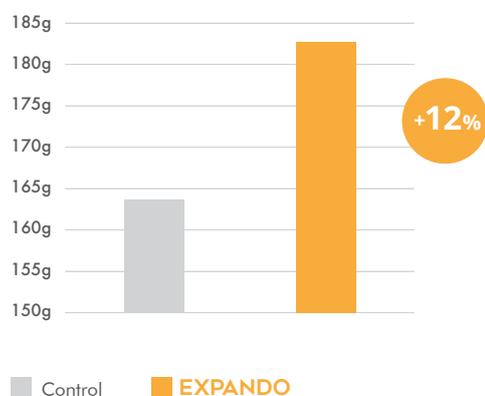


The plant quickly absorbs **EXPANDO** in foliar application. The content of seaweed extracts acts on the cellular division, with a particular influence on the hormones involved in the fruit development process like auxins and gibberellins. The organic compound (aminoacid and vitamins) and the molybdenum promote the nitrogen cycle, fundamental in the fruit development process.

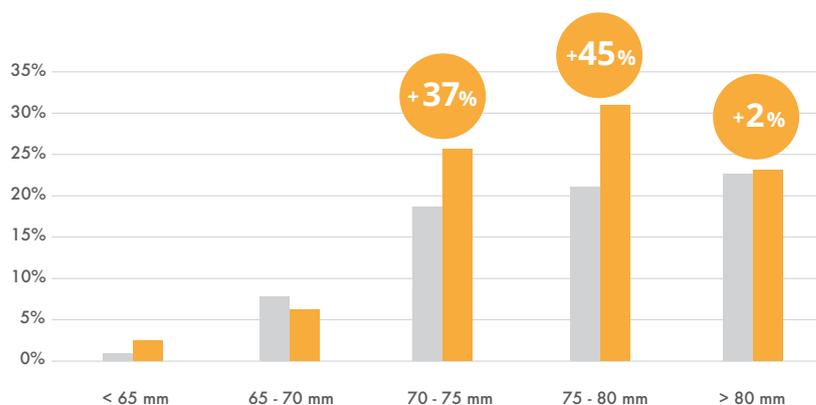
EXPANDO contains also phosphorus, responsible for energy process regulation, essential during the development of the fruit, as well as potassium, a nutrient largely requested by the cells during the distension phase and very important for the sugar movement.

AGRONOMIC TRIALS

Average weight of fruits (g)



Caliber classes distribution (%)



EXPANDO's efficacy on apple. Lagnasco - Italy. Rates 3.5 l/ha in 2 applications.