

ANTI-STRESS ACTIVITY
BIOSTIMULATING ACTIVITY
IMPROVES COLOUR AND SUGAR CONTENT
ALLOWED IN ORGANIC FARMING

RA.AN 13156 is a 100% brown (*Ascophyllum nodosum*) seaweed concentrate, obtained with a COLD EXTRACTION process and subsequent condensation of the extracted liquid. With this particular extracting process RA.AN 13156 preserves all the seaweed bioactive components (amino acids, carbohydrates, vitamins, hormone-like natural substances).

Regular RA.AN 13156 applications:

- Improve crop hormone balance and nutritional balance
- Improve photosynthetic efficiency for greater yield
- Enable a stronger balance between the vegetative and the reproductive phases
- Have a direct effect on fruit size and uniformity, impacting productivity
- Improve product's quality parameters (sugar content, colour, firmness, shelf-life)



Moreover, the high mannitol and betaines contents trigger crop resistance to biotic and abiotic adversities. Regular applications of RA.AN 13156 throughout the crop cycle improve qualitative and quantitative results.

Here the most important RA.AN 13156 components:

- Amino acids > 1,3 %
- Alginate acid > 10%
- Mannitol 4.7%
- Gibberellins and Cytokinins > 300 ppm

CROP	TIME OF APPLICATION	DOSE FOGLIARE*	FERTIGATION DOSE*
Kiwifruit e Grapes	Budding, inflorescence clearly visible, pre-flowering, fruit set, berry/fruit enlargement, veraison (change of color), post-harvest. Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Citrus (Tangerine, Lemon, Clementine, Bergamot, Orange)	Pre-flowering, post-fruit set, fruit enlargement, veraison (change of color). Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Stone fruits (Plum, Peach, Nectarine, Cherry, Apricot) e Pome fruits (Pear, Apple, Quince)	Budding, fruit enlargement, post-harvest. Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Hazelnut, Walnut e Olive	Pre-flowering, post-fruit set, fruit enlargement, post-harvest. Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Small fruits (Currant, Blackberry, Blueberry, Raspberry) e Strawberries	Post-transplanting/vegetative restart, pre- and post-flowering, veraison (change of color). Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Fruiting vegetables (Pumpkin, Zucchini, Tomato, Pepper, Melon, Eggplant, Cucumber, Watermelon)	Post-transplanting, pre- and post-flowering, pre-veraison (change of color). Whenever it's necessary to overcome a stressful period.	0,5-1 kg	5-10 kg
Leafy vegetables (Spinach, Celery, Escarole, Rocket, Radicchio, Lettuce, Chicory)	From 4th true leaf to pre-harvest, every two weeks. Whenever a prompt vegetative restart is required.	0,5-1 kg	5-10 kg
Industrial crops (Tobacco, Soybeans, Industrial tomato, Sunflower, Cotton, Rapeseed, Sugarcane, Beets)	At early vegetative phases. Whenever a prompt vegetative restart is required.	0,5-1 kg	5-10 kg
Flowers and ornamentals	After transplanting, every 2-3 weeks. From early vegetative phases to crop cycle completion.	0,5-1 kg	5-10 kg
Nurseries e Seedbeds	From early vegetative phases to crop cycle completion	0,5 kg	5 kg

COMPOSITION	
Total nitrogen (N)	1.00%
Organic nitrogen (N) soluble	1.00%
Carbon (C) of biological origin	20.00%
Potassium oxide (K ₂ O) soluble in water	19.00%

PHYSICO-CHEMICAL FEATURES		
FLAKES		
pH (sol 1%)	9.4	
Conductivity E.C. µS/cm (1‰)	700	
METHOD OF USE		
	Foliar fertilization	Fertigation

PACKAGING: 1 - 5 KG