



CHARACTERISTICS:

CITOBIOS 100 is a pure extract from brown algae (*Ascophyllum nodosum*), in the form of water-soluble powder. The algae are harvested fresh in the North Atlantic Ocean. **CITOBIOS 100** contains natural elements that are essential for the healthy growth of the plant: they are promptly absorbed by the plant through foliage or root system. Combined with a good nutritional process, **CITOBIOS 100** facilitates the ideal physiological balance of the plant, optimizing flowering, setting, ripening and lignification. It becomes an essential product in case of stress due to frost, drought and hail; moreover, it optimizes the natural plant resistance against pest attacks.

WARNINGS:

CITOBIOS 100 can be mixed with the most common pesticides and fertilizers on the market. Avoid to mix it with products that contain glycols. It is recommended to repeat the treatment rather than using an overdose. **CITOBIOS 100** can be used with low/medium/high volume applications. It is recommended to dissolve the product first in a small quantity of water and then fill to the mark for the treatment.

COMPOSITION	FORMULATION	CLASSIFICATION	PRE-HARVEST INTERVAL	PACKAGING
Organic Nitrogen (N): 1% Potassium Oxide (K ₂ O): 19% Betaine: 0.1% Mannitol: 4% Organic carbon (C) of biological origin: 20%	Soluble microcrystals			1 kg sack Boxes of 10 pieces 25 kg sack

Crop and Rates	Time of application
FRUITS – FOLIAR APPLICATION	
Apple/Pear 800-1000 g/ha	1. Awakening – 2. Pre-flowering – 3. Full bloom 4. Fruit swelling – Other: every 3 weeks until harvest
Citrus fruit 1200-1500 g/ha	1. Beginning of flowering – 2. Petal fall 3. Formation of fruits – 4. Nut fruit Other: 6-7 weeks before harvest
Grapevine 800-1000 g/ha	1. Length of jets: 25-30 cm – 2. Length of jets: 50-60 cm 3. Full bloom – 4. Formation of bunches Other: berries touching – beginning of ripening
Stone fruit 1000-1300 g/ha	1. Pink button – 2. Full bloom – 3. Formation of fruits 4. Nut fruit – Other: every 3 weeks
Strawberry (annual-perennial) 800-1000 g/ha	1. Pre-transplantation or Awakening – 2. Pre-flowering 3. Formation of berries – Other: every 3 weeks
VEGETABLES – FOLIAR APPLICATION	
Table tomato, Eggplant, Pepper, Melon, Zucchini 80-100 g/1000 sqm	1. 15 cm plant – 2. Pre-flowering 3. Formation of fruits – 4. Veraison Other: within 48 hours from the harvest of each branching
Potato 80-100 g/1000 sqm	1. Formation of tuber – 2. After 2 weeks 3. First flowering
Salads 80-100 g/1000 sqm	1. 4 th leaf stage 2. Every 2 weeks
VEGETABLES – ROOT APPLICATION	
Solanaceae, Cucurbits 130-180 g/1000 sqm	1. At transplantation – 2. Flowering 3. Formation of fruits – 4. Every 15-20 days
Turf 100-150 g/1000 sqm	Treat at first growth stage, at 3-4 weeks' intervals. Increase the frequency of applications in case of sport facilities.
Seed treatment 90-110 g/100 lt of water	1. Directly on seed or seedbed