



TERRA

Restore the soil life

- It stimulates the multiplication of Native microbial flora
- It stimulates the roots development
- It promotes the translocation of typical compounds
- It magnify the organoleptic characteristics of local final products (wines - oil – fruits) It improves the yield



Formulation:
Liquid



Bioactive Compounds

Bioactive Element	Definition	Function performed in the product
Specific polisaccharides	Complex sugars (amilose, Pectinates) at slow release	Nutrizione della flora batterica a medio termine
Alcooli specifici	Different types of alcohol very reactive	Immediate degradation to feed the microbial flor in short time
Selected Humic Acids	Top quality Leonardite extracts by KOH	Improves the structure of the soil Maximum rizogenetic activity
CITOKININE S (Zeatin, Kinetin, Isopentenyladenine) cytokinin like activity	Natural compounds that stimulate the internal production of hornmonlike substances of the Cytokinin family	Increase cellular multiplication of fruit and pulp - healing effect - delay of senescence - chlorophyll protection - increased protein synthesis - stimulates apical dominance
AUXINE Auxin like activity	Natural compounds that stimulate the internal production of hornmonlike substances of the Auxin family	It enhances the multiplication of roots, stimulates the relaxation of apical cells and leaf surface. Reduces the activity of enzymes that alter chlorophyll



Dosages

Crops	Soil application	Fertigatione
Orchard	30-40 Lt/Ha for 2-3 appl	20-30 Lt/Ha for 2-3 appl
Grape wine	30-40 Lt/Ha for 2-3 appl	20-30 Lt/Ha for 2-3 appl
Industrials (Corn, Rice, Cereals)	20-30 Lt/Ha for 1 appl	10-15 Lt/Ha for 2-3 appl
Open field vegetable	20-30 Lt/Ha for 1-2 appl	20-30 Lt/Ha for 3-4 appl
Greenhouse vegetable	X	20-30 Lt/Ha for 5-6 appl
Salades	X	20-30 Lt/Ha for 2-3 appl



Label

CATEGORY: Humic extracts from Leonardite. Extraction by KOH	
COMPOSITION	%
Organic Carbon (C) % of dry matter	40
Humified Organic Carbon: % of total Organic Carbon	60%
Humificatio rate	60%
Organic Carbon (C) % of fresh matter	6
Fresh matter	11,2
Fresh matter : % of dry matter	69
Humified fresh matter: % of organic matter	60
Organic Nitrogen	0,12
C/N ratio	50



Positionning



Raw Material

Special Vegetal Extracts

Specific Polysaccharides

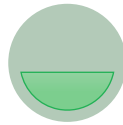
Alcohol with energy action

Alkaline hydrolyzed from Canadian Leonardite

Selected Humic Acids

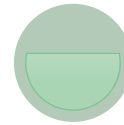
Enzymatic hydrolyzed of *Ascophyllum Nodosum*

hormonlike compounds (IAA e CK)



Process

Enzymatic hydrolyzed neutral environment at T° and pH controlled.

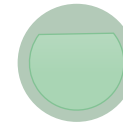


Functioning

Polysaccharides and specific alcohols feed the native microbial flora of the soil.

The Humic acids improve the soil structure and stimulate the root development

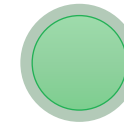
The vegetable extracts from yeasts and seaweed *A. Nodosum* promote the multiplication native microbial flora of the soil



Objectives

To rebalance the native population of microorganism in order to exalt the potential yield and quality (terroir)

To stimulate the root development in order to reduce the damages from drought stress



Note

Totally soluble. Any problem of filters blocking
Allowed at ultra low volumes