



CYNOYL R

*Nourishes, stimulates
and raises plant resistance*



AGRIGES srl
Contrada Selva di Sotto Zona Industriale
82035 San Salvatore Telesino (BN) ITALY
T +39 0824 947065 - F +39 0824 947442
www.agrigen.com | info.contact@agrigen.com



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Nourishes, stimulates and raises plant resistance



Resistance inducer

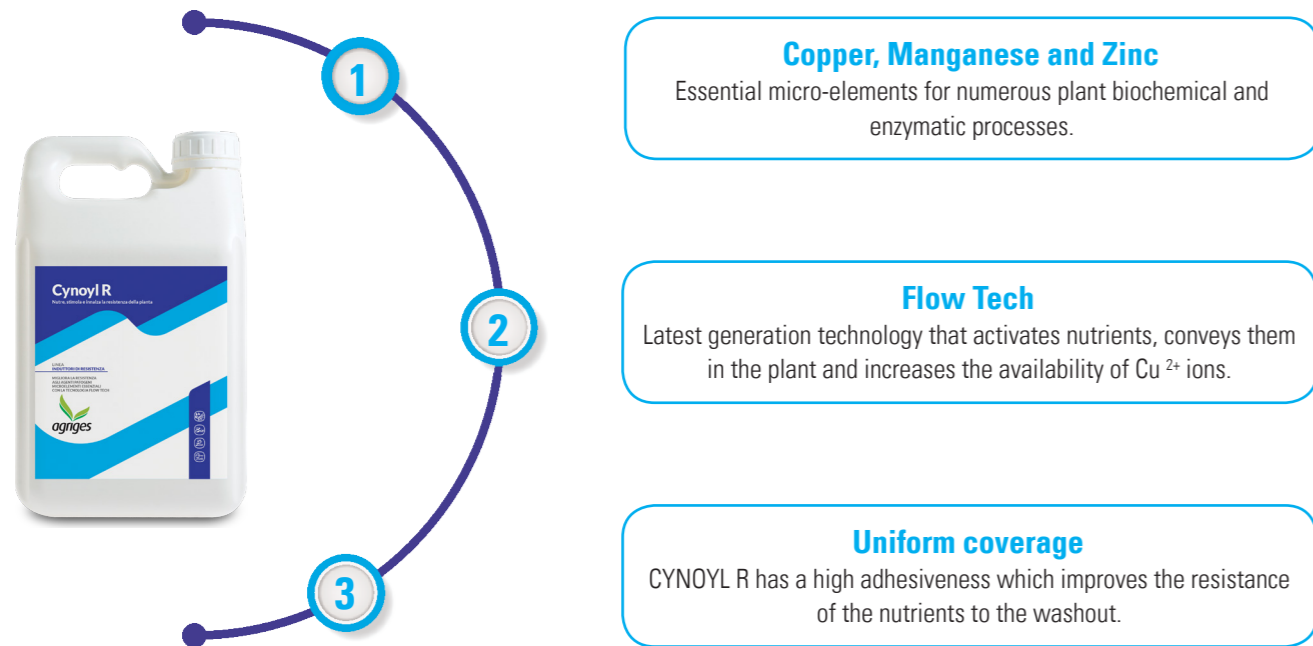


Suitable for Organic Agriculture



Foliar application

CYNOYL R is the new member of the "CYNOYL family" enriched with the microelements Copper, Manganese and Zinc. It has been designed with the innovative and exclusive **Flow Tech** production technology that makes the formulation of CYNOYL R "super flowable". Flow Tech complexes the microelements in a stable and balanced mixture and it conveys them effectively in the plant.



COMPOSITION

	w/w	w/v		w/w	w/v		w/w	w/v
Total Copper (Cu)	23,0 %	34,7 %	Total Zinc (Zn)	0,5 %	0,75 %	Total Manganese (Mn)	0,5 %	0,75 %

* %w/w equivalent to %w/v at 20°C.

COPPER, ZINC AND MANGANESE

They are essential micro-elements for the numerous biochemical and enzymatic processes of the plant. From recent studies, it has been seen that Copper, Zinc and Manganese together, if complexed and activated in certain formulations like CYNOYL R, stimulate the cellular synthesis of natural substances, called **pre-inhibitins**. These substances are the product of secondary cellular metabolism and are actively involved in biochemical resistance to pathogens which reduce the incidence of damage.

Cu²⁺ COPPER
Copper is a constituent of numerous enzymes and is directly involved in redox processes. Within the chloroplasts, Copper is necessary for the biosynthesis of chlorophyll and for the correct execution of the photosynthetic process. Thanks to Copper, CYNOYL R:

- ✔ protects the protein structures of degradation;
- ✔ maintains a high level of functionality of cellular structures over time;
- ✔ activates **plastocyanine**, a water-soluble protein containing Copper responsible for electron transport to produce energy in the form of ATP.

Zn ZINC
Zinc is a fundamental micro-element for the development of plants since it is an essential component of many enzymes. It intervenes in the respiratory process as well as in the metabolism of nitrogen and in the formation of carbohydrates and vitamin C.

Zinc participates in the biosynthesis of **tryptophan**, precursor of auxins, and can also influence the absorption and translocation of Phosphorus.

Mn MANGANESE
Manganese is essential for chlorophyll synthesis and it is involved in auxins metabolism. It is a fundamental element for the synthesis of carbohydrates, some vitamins and for the reduction of nitrates; it participates in the photosynthesis and respiration processes, stimulating the activity of numerous coenzymes. In addition, Manganese increases fruit setting, increasing production and improving plant resistance to stress, encouraging the formation of more resistant tissue.

FLOW TECH, THE SECRET OF CYNOYL R

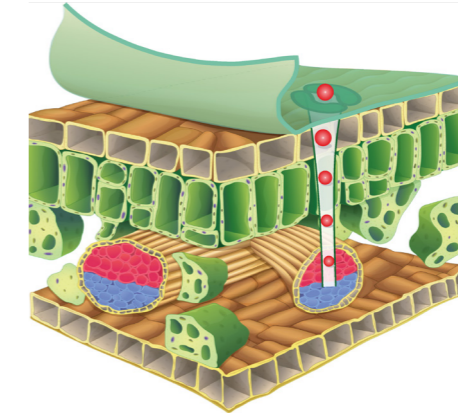
It is the latest exclusive production technology "Made in Agriges", designed specifically for CYNOYL R. It is born of a long research process at Agriges Laboratories to meet the requirements of a formulation:

- ✔ **stable;**
- ✔ **effective;**
- ✔ **covering.**

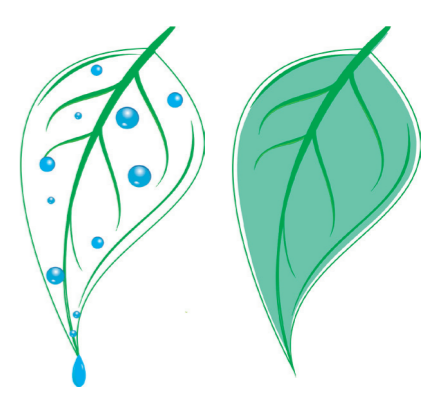
Mix of micro-elements | CYNOYL R



Facilitated input of nutrients through the leaf blade



Mix of micro-elements | CYNOYL R



STABILITY

The classic mixtures with Copper and micro-elements, both in powder and liquid formulation, have the disadvantage of precipitating forming a layer on the bottom of the container hard to be brought back into suspension. Unlike liquid formulations, in which the nutrients are simply dissolved in water, CYNOYL R has a "Super Flowable" technology, in which nutrients are dissolved in a polysaccharide polymer that enhances product stability and effectiveness.

READINESS OF ACTION

Thanks to Flow Tech and to the long mixing process carried out in Agriges plants, the Copper particles and microelements are in perfect suspension. In this way, greater efficiency and better conservation and management of the product are guaranteed. Furthermore, the Flow Tech technology avoids the formation of "wet residue", instead making immediately available the particles of Copper, Zinc and Manganese.

UNIFORM COVERAGE

CYNOYL R uniformly covers plants treated parts, thanks to Flow Tech technology and to the extremely reduced dimensions of the Copper particles and of the micro-elements. Moreover, thanks to Flow Tech which improves the resistance of the nutrients to the washout, CYNOYL R has a high adhesiveness. This increases the nutritional effectiveness of the product and it maximizes nutrients assimilation by the plant.

DOSES AND ADMINISTRATION

FOLIAR APPLICATION		
CROPS	PERIOD OF APPLICATION	DOSE l/ha
Fruit trees (excluding peach, plum and sensitive apple varieties) Peach, plum and sensitive apple varieties	From germination to fruit ripening and post-harvest	2-4
	From post-harvest and before leaves fall	2-4
Vegetables	Throughout the production cycle	2-4
Industrials	Throughout the production cycle	2-3
Cereals	In conjunction with the post-emergence weeding or subsequent fungicidal treatments	2-3
Ornamentals and nursery	Post-transplant every 5 - 7 days	1-3

PRECAUTION

In case of mixture with other products it is always advisable to carry out tests of miscibility and compatibility on a limited number of plants. The product is compatible with most of the fertilizers and phytosanitary products correctly used. Mixtures with mineral oils, captan, products with nitrate, chlorinated products, with oxidizing agents and with all products normally not miscible with Copper are not recommended. Reinforcing the endogenous defences of the plant predisposes it to a better response in case of phytoiatric treatment.

Packages: 1 - 5 - 10 - 20 l - **Formulation:** soluble liquid - **pH (sol. 6%):** approx. 7,0 - **Conductivity (sol. 10%):** approx. 2,0 dS/m - **Density (T=20°C):** approx 1510 kg/m³.
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