

KENDAL®

Plant strengtheners for resistance induction

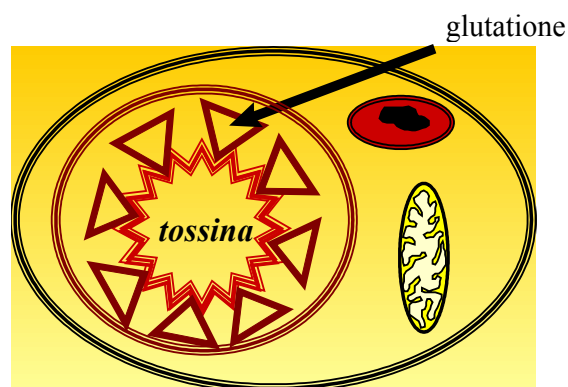
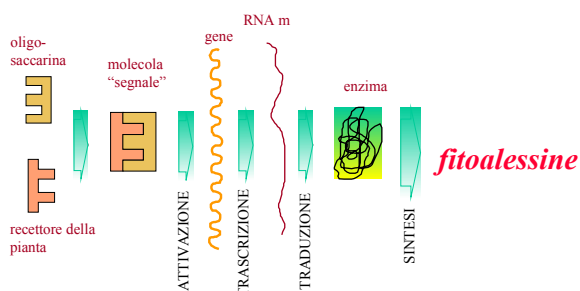
KENDAL optimizes the plants' natural physiological defence mechanisms through targeted organic components. It increases the plant's resistance against different fungal and bacterial harmful organisms. The product is a natural plant-strengtheners to be used for all kind of plants. The activation of the endogenous plant self-defence system leads to a better protection and reduction of microbial symptoms of infections.

KENDAL plays an important role in keeping healthier plants and prevention of diseases losses enhancing yield targets; improves overall colour and quality of crop foliage; increases crispness and yield of leafy vegetables.

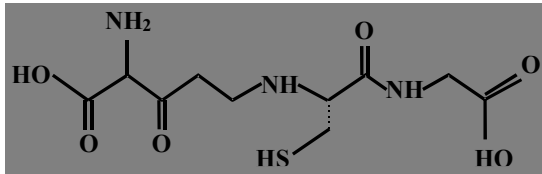
The product is composed of the following classes of substances:

OLIGOSACCHARIDES:

These are specific oligosaccharides which result from the fragmentation of cell walls caused by fungal and bacterial attacks. Their presence triggers the synthesis of phytoalexins, plant natural antibiotics.



GLUTATHIONE:



It is an essential constituent of plant defence systems. In fact, it is involved in the neutralization and isolation of cell toxins produced by pathogens during the infection processes.

In plant cells glutathione reacts with the toxin by forming a covalent bond; subsequently, the new molecule is transported inside the vacuole thus defusing the infection processes.

VEGETABLE EXTRACTS:

Substances with biostimulant action, they give plants a high capacity to trigger natural biological defence mechanisms.

POTASSIUM SALTS:

They limit the likelihood of pathogens' take over and diffusion by increasing physical barriers to infection through cell wall thickening.

KENDAL POTENTIATES PLANT NATURAL DEFENCES

KENDAL induces a type of aspecific resistance which guarantees its efficacy towards different pathogen groups while at the same time prevents the appearance of resistant populations.

Application combinations:

KENDAL can be mixed with the most common pesticides and foliar fertilizers. The combination with cupric preparations is possible on olive trees, vines, tomatoes, potatoes and artichokes. Before application of KENDAL mixes with cupric formulas to

other crops, selectivity tests has to be performed.

Since the product has an acid reaction, it is not advisable to associate it with preparations having highly alkaline reactions.

Recommendation of application:

sport turf:	6,0 - 10 l/ha
vegetable:	1,5 - 2,0 l/ha
leaf vegetable	1,0 - 1,5 l/ ha
fruit, grapes:	2,5 - 3,0 l/ha
ornamentals:	1,0 - 1,5 l/ha

Frequency of application:

KENDAL can be used very flexible, adapted at the individual situation and crops.

Best results is to start before or at an early stadium of pathogen infection. Repeat treatments all 5-10 days.

Important: shake well before use

Important notice:

All statements support itself on the today's position of our awareness, they represent yet no assurance of product characteristics and found no contractual legal relationship. All statements are not binding and cause neither one warranty - one more liability claim.

Composition:

Total nitrogen (N):	3,5%
Potassium oxide (K ₂ O):	15,5%
Organic carbon © biological source:	3,0%

Organic Components:

Plant extracts, oligosaccharides, glutathione

Packaging: 5l cans in 4 unit cartons

Self life: min 10 years

Storage conditions: -5°C to + 35 °C

Distribution:

Gerlach Natürliche Düngemittel, D