

NEW

LIGNO
 SULFO
 NATES

 NATURAL CHELATING AGENT
 (LIGNOSULFONATE ACID)

Datasheet

tangelAGRO


Lignosulfonic Acid
 Foliar / Soil

 Complex Organic Manganese corrector
 (Lignosulfonic Acid)

CHARACTERISTICS

What is Mn important for?

Ligno Mn, a Manganese deficiency corrector, is a highly soluble liquid solution that can be soluble and assimilable by crops. Its complexing by means of lignosulfonic acid provides it with a high stability, favouring its absorption. This ensures effectiveness and speed of action as well as its effect on the crop. Ligno Mn is a hygroscopic biopolymer based on lignin with natural properties of low surface tension, which ensures good distribution of microelements on the leaf surface. It helps to maintain nutrients in a water-soluble form, so they can diffuse and penetrate the leaves, even in low humidity conditions.

- Accelerates germination and early season seed development.
- Activate enzymes that perform important functions.
- Aids in chlorophyll synthesis.
- Better flowering and tillering of crops
- Important role in cereal cultivation.
- Increase the availability of Phosphorus and Calcium.
- Regulates the splitting of the water molecules during Photosynth.

BENEFITS

- PREVENTS MN DEFICIENCY SYMPTOMS IN THE PLANT
- INCREASE THE USE OF AVAILABLE NITROGEN
- RESPONSIBLE FOR THE SYNTHESIS OF PROTEINS NECESSARY FOR GROWTH AND BUILDING BIOMASS
- INCREASES PLANT TOLERANCE TO LOW TEMPERATURES AND FROSTS

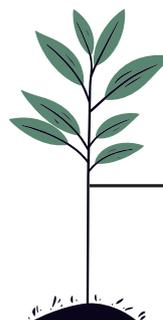
LIGNO Mn

COMPOSITION

 Manganese
 Natural Chelating Agent (Lignosulfonic Acid)

%w/w

10,0



Increases the availability of P and Ca

Activates several enzymes

Seed development

Accelerates germination and maturity

Healthy flowers

Green leaves and healthy inflorescences

APPLICATION



CROPS	AIM/PROBLEM	RECOMMENDATIONS	TIME
In all crops	To provide manganese, leaf quality, yield, water balance, photosynthesis rate...	Numerous applications of 2 – 4 L/ha (in at least 200L water)	When required
Cereals	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 4 times 1 – 3 L/ha	From 3-leaf stage
Potatoes	N efficiency, vitality, skin quality	2 – 4 times 1 – 3 L/ha	From 6-leaf stage
Legumes	N efficiency, increased vitality (e.g. in cold conditions)	2 – 3 times 1 – 3 L/ha	From 6-leaf stage
Maize	Increased vitality (e.g. in cold conditions)	1 – 2 times 1 – 3 L/ha	From 4-leaf stage
Oilseed rape	Vitality, oil yield, winter hardiness.	2 – 3 times 1 – 3 L/ha	From 4-leaf stage
Sunflower	Vitality, oil yield.	1 – 3 L/ha	From 4-leaf stage
Pome fruit	N efficiency, increased vitality (e.g. in cold conditions) fruit colouration	2 – 4 times 1 – 3 L/ha	Red bud until harvest
Soft fruit	N efficiency, increased vitality.	2 – 3 times 1 – 3 L/ha	Start of shoot growth
Citrus fruit	N efficiency, increased vitality (e.g. in cold conditions)	2 – 3 times 2 L/ha	From white bud to harvest
Wine grapes	N efficiency, increased vitality (e.g. in cold conditions)	2 – 3 times 2 L/ha	Inflorescences visible
Tobacco	Increased vitality (e.g. in cold conditions)	1 – 3 times 2 L/ha	From 4-leaf stage
Ornamental plants	Leaf quality, vitality	2 times 2 L/ha	Once sufficient leaf mass has developed
Cotton	Increased vitality (e.g. in cold conditions), winter hardiness	2 – 3 times 2 – 4 L/ha	From 4-leaf stage
Rice	N efficiency, vitality, tillering, stem stability	2 – 5 times 2 – 4 L/ha	From 3-leaf stage

Ligno Mn is compatible with most pesticides and fertilizers. However, if the desired combination has not been previously used, check for chemical mixture compatibility using a jar test prior to application.

LIGNOSULFONATES
 tangelAGRO

www.tangelagro.com

 AVAILABLE IN
 1L - 5L - 10L - 20L - 1000L
 Plastic Bottle/IBC


FERTILIZER



IMPORTED FROM EU

