

MicroSupport®
- chelated micronutrient

interfiller a/s

Chelated metals (Fe, Mn, Cu, Zn, Co)

A chelate is an organic chemical compound, in which the metal (Fe, Mn, Cu, Zn m.fl.) is a part of the molecule, which is held so steady that it is not able to steal from other substances and thus being made insoluble. Meaning that the metals **do not** respond with negative ions (borate, molybdate, phosphate and carbonate) in for instance tank mixture, on the ground or in the plant and thus made insoluble. Therefore they are fully accessible for the plant.

Besides chelates are easy to move to the spot in the plant, where the need is at its highest, meaning that the function is partly systemic.

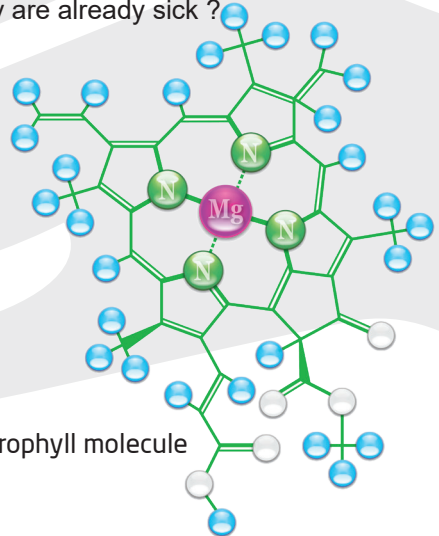
Chelates absorb best from roots and leaves and are better assimilated from the plant. Although chelates are easily dissolved in water, they do not disappear from the ground because of adsorption (attachment) to the ground granules.

The chelate medium on its own is proven to act stimulating to the plant.

Chelated Micronutrient also work nourishment for important microorganism in the ground and is widely used for nourishment of the microorganism at depollution of polluted soil

Correct balanced chelated micronutrient (**MicroSupport® products**) help ensuring a green healthy plant in good condition with a good immune system for a long time. Does the plants become sick because they are under attack or are they attacked because they are they are already sick?

Chlorophyll and haemoglobin are natural chelates. Therefore the technique to chelate substances is not new to the world.



Chlorophyll molecule

Product range

Interfillers' chelated MikroSupport® products, phosphorus products, additives and service products:

MikroSupport®:



MikroSupport® Wheat	(Chelated)
MikroSupport® Rape	(Chelated)
MikroSupport® Corn	(Chelated)
MikroSupport® Potato	(Chelated)
MikroSupport® Peas	(Chelated)
MikroSupport® Beet	(Chelated)
MikroSupport® Onion	(Chelated)
ManganChelat 35	(Chelated)
MikroSupport® Iron 54	(Chelated)
MikroSupport® Copper 20	(Chelated)
MikroSupport® Zinc 20	(Chelated)
MikroSupport® Cobalt 20	(Chelated)
Minomit	(Chelated)
Mikronit std.	(Chelated)
ManganSupport 235	(Mangannitrat 235g Mn)
Boron Support 150F	(Liquid Boron 150g B)
MolybdænSupport 77	(Flydende Mo 77g Mo)

Other

CalciumSupport 20	(Chelated)
MikroSupport Magnesium 64	Magnesiumnitrate 64g Mg
PotassiumSupport 360	(liquid potassium 360g K)

Phosphorus products:

Fosmagnit®	(P + Mg)
New Phosphorus Support®	(P + K)
PK- Fertiliser	(P + k)
Support Onion Start	(P + K + Mg + Zn)

Additives:

Support Super-ADD	(wetting agent)
SpraySupport	(wetting agent)
Support Kip-R	(Adjuvant for soil)
Boron Additive	(For Boron Support 150F)
Fosmagnit	(Buffer to pH adjustment)

Service products

EpsoTop (Magnesium sulfate)	(Mg + S)
Universal cleaner	
Rust Protection	
Sprayer Additional	



How to dose..

Typical per season:

8-12 l. MikroSupport (Chelate)

0,5 l. Fosmagnit per 100 l. water (not with boron 150F)

0,1 l. Support Super-ADD per 100 l. water

Other:

Boron treatment

0,5 l. Boron Additive per 1,0 l. Boron Support 150F

Phosphorus treatment:

2,0 l. Fosmagnit per 1,0 l. New Phosphorus Support®

Magnesium treatment:

1-2 kg. EpsoTop (Magnesium sulfate)

We recommend:

3,0 kg. N from N32 or similar for each application



Protein/oil application (for seed formation)

Drive (PS-COHN) + Micro.

(PS-COHN) 2,0 l. Fosmagnit - 350g (P)+ 125g (Mg)

P - phosphorus, 1,0 l. New Phosphorus Support - 110g (P) + 70g (K)

S - sulphur 5,0 kg. N (from N32 or sim.) 5000g (N)

C - carbon 2,0 kg. EpsoTop (Magnesium sulf.) 200g (Mg)+260g (S)

O - oxygen 1,0 – 2,0 l. MikroSupport (Chelate)

H - hydrogen 0,1 l. Support Super-ADD

N - nitrogen

Example- Winter Wheat

Fall application

1 Treatment: 0,5 l. Fosmagnit® per 100 l. water
 3,0 kg. N
 1,0 kg. Epsotop (Magnesium sulfate)
 2,0 l. MikroSupport® Wheat
 0,1 l. Support Super-ADD per 100 l. water

Spring application

1 Treatment March/April:
 0,5 l. Fosmagnit® per 100 l. water
 3,0 kg. N
 1,0 kg. Epsotop (Magnesium sulfate)
 2,0 l. MikroSupport® Wheat
 1,0 l. ManganChelat 35
 0,1 l. Support Super-ADD per 100 l. water

Summer application

2-3 Treatment May/Juin
 0,5 l. Fosmagnit® per 100 l. water
 3,0 kg. N
 1,0 kg. Epsotop (Magnesium sulfate)
 2,0 l. MikroSupport® Wheat
 0,1 l. Support Super-ADD

Protein treatment

(Seed formation)

2,0 l. Fosmagnit®
 1,0 l. New Phosphorus Support®
 5,0 kg. N
 2,0 kg. Epsotop (Magnesium sulfate)
 1-2 l. MikroSupport® Wheat
 0,1 l. Support Super-ADD per 100 l. water

Protein consists of PS-COHN: P-phosphorus, S-sulphur, C-carbon, O-oxygen, H-hydrogen, N-nitrogen

Chelates

Growth

ROI



Plant Sap analysis (PSA)

Plant sap analysis is a precise and quick way to check the condition of the crop - a bit like a blood test with humans.

PSA provides a snapshot of of the nutrient content in the plant sap, that the crop has at its disposal.

PSA results shows the Plant's pH and 16 nutrients, including both macro- and micro-elements.

PSA will clearly show deficiency symptoms long before it can be seen visually (and this will result in downturn on profit), as well as imbalance for instance because of antagonism.

Use with advantage PSA :

- to apply nutrients if you want to cultivate according to the principle of equilibrium
- to diagnose deficiency symptoms long before it becomes visual (and costly), as well as imbalances e.g. due to antagonism.
- to see if the autumn treatment has been sufficient before winter
- to receive an indication "early spring" of what the crop either needs to absorb or must have applied for the next coming opportunity.

PSA provides the farmer with opportunity to correct the fertilizer strategy in a timely manner.

Visual deficiency/misgrowth costs yield and sets the mind in motion - why does it look like this - too much Mn, sludge, slurry or something else? In this situation, PSA is unsurpassed. PSA provides a very clear picture of the crop problem. With PSA in hand, you quickly create the opportunity to target your efforts and further reduce the yield loss.

The price for a PSA (16 nutrients) is approx. 500 DKK including postage to Sweden. There is no need to guess anymore. Get the results, black on white. Within 3-5 days after the sample is sent, a PSA result is available.

Instructions for removing plant parts and the shipping documents can be supplied upon request Just contact Interfiller.

Interfiller sees a lot of PSA's and can quickly put together a treatment strategy for your individual needs. Just give us a call.



CONTACT

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For further technical information about our product range - please consult our website
- www.interfiller.com.

More than 50 years experience within Micronutrient!

At Interfiller, we aim to work in close cooperation with our suppliers and customers to provide the best solution and products.

We are a Danish family-owned business within chemical production, including our own brand of chelated micronutrients.

We produce and sell liquid fertilizer for forestry, horticulture and agriculture as well as nutrition for microorganisms for water and soil purification, at our own factory in Ølby near Køge, where administration and main storage are also located.

Since 1971 we have with great success developed and sold fertilizers and fertilizer products primarily for horticulture and agriculture in Scandinavia. With own laboratory we also able to assist with special blend fertilizer products for your individual operation - just give us a call.

