

Winter crops

– excellent start and robust foundation for high yield!



SPECIAL PROGRAM



Crop establishment



Root system boost



Winter cold resistance

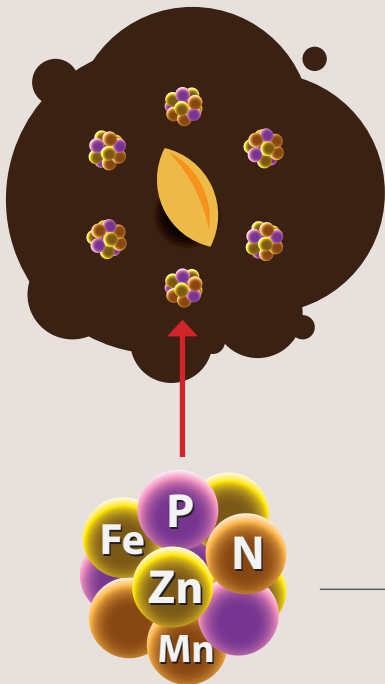
G C i C

Global Crop Improvement Company

Crop establishment



GCiC range of microgranular fertilizers developed to provide nutrients precisely where they are needed, at the time when they are most valuable – at plant establishment:



- 25 times more P available to the plant.
- Precise placement gives high plant uptake.
- Low application rates cut residues and leaching.
- Significant savings on transport and storage.

GCiC microgranulated product range for Autumn application:

- Complex NP fertilizer with Zinc
- Especially suitable for precision fertilisation
- Contains nitrogen in the ammoniacal form for minimizing losses
- Highly soluble and available phosphorus
- Zinc and Nitrogen synergy is vital in the proteins and auxins formation

Microgranular fertilizers to help give your crops a better start for a stronger finish!



5g approx. 35,000 microgranules – average diameter of **0.7 mm** (low dust level!).



5g of general NPK: approx. 330 granules – average diameter of **3.3 mm**.



Application method:

Directly into the seed bed, very close to the seed with special equipment on the drilling machinery.

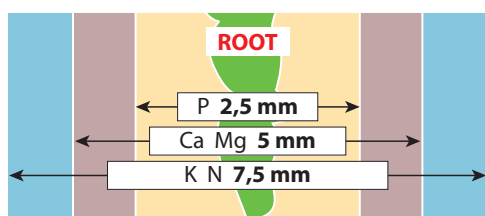


Declared Content	Crop Improver - Universal	Crop Improver - Super	Crop Starter 10-48-0
Nitrogen (N)	11 %	11 %	10 %
Phosphorus (P ₂ O ₅)	48 %	50 %	48 %
Zinc (Zn)	1 %	2 %	1 %
Iron (Fe)	0.6 %	-	-
Manganese (Mn)	0.1 %	-	-
Sulfur (SO ₃)	-	-	15 %



Packaging: **25 Kg bags**

GCiC microgranules contains around 4 million granules per kilogram which means it has an extremely high interface with your seeds, providing all important nutrients quickly and safely.



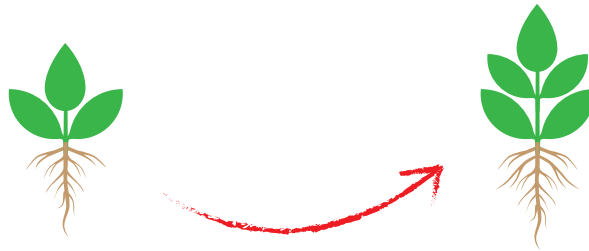
For maximum uptake, nutrients need to be available close to the root. This is especially true of phosphate as shown in the diagram. With a composition of high level of phosphorus, Crop Improver and Crop Starter places essential nutrients exactly where the plant needs them!

STEP

Winter crops – excellent start and robust foundation for high yield!

2

Root system boost



The early development of crop roots is essential to good establishment, stress resistance and ultimate yield.



Root development depends mainly on:

- **Organic matter in the soil**
- **Availability of phosphates and Calcium**
- **Cytokinins (biostimulants)**
- **Certain amino acids and sugars**
- **Fulvic acids**



**Natural
organic matter.**

Features & Benefits:

- Derived from naturally refined micronized 100% Leonardite – with no chemicals – so the natural integrity of the Leonardite is maintained. No alkaline hydrolysis process used.
- Contains fractions of Humin (insoluble fraction of humus) & Ulmic Acid compounds that stimulate and increase the root, vegetative growth and general development of the plant which are not available in chemically extracted Humic Acid products.
- All raw materials are milled to 5 microns which is up to 4 times smaller than other manufacturers of similar products. This SC formulation (micronized suspension) gives greater surface area, leading to better uptake & higher efficacy.
- Non alkaline formulation, unlike most Humic Acid liquids = better uptake (alkaline formulations tend to inhibit Humic Acid uptake).
- SC formulation & low pH aids tank-mixing, unlike most Humic Acid liquids.
- 100% soluble with rapid solubility, and no nozzle blocking, due to the micronized particles in the Viscofol formulation.
- Our dose rate is about 1/10 of a standard Humate due to the Viscofol formulation – cost effective.



NP Fertilizer Solution, EC Fertilizer:



1.2 L/ha of Phos-Stim

- Highly available P which is active in the plant
- Moves in xylem and phloem – highly mobile
- Quick acting on roots for crop establishment
- Enables optimum roots and shoot development
- Helps stressed crops (cold soils, dry soils, waterlogged soils)
- Root stimulation helps the crop find other essential minerals in deeper layers of the soil



Positioning of the products:

PHOS-STIM

High NPK, low biostimulants

VISCOFOL BLACK

High biostimulants, no NPK

Product Range – Root enhancers for Autumn application:

Declared Content	VISCOFOL Black	Phos-Stim
Nitrogen (N)	-	4 %
Phosphorus (P ₂ O ₅)	-	32,0 % (P 14,0 %)
Potassium (K ₂ O)	-	14,0 % (K 12,0 %)
Biostimulants	-	0.5%
Sugars	-	0.6%
Humic acids	20.5%	-
Fulvic acids	4.5%	-



Packaging: **5L**

Viscofol Micro Particle Effect

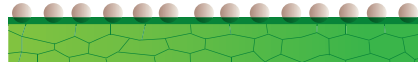
Normal foliar fertiliser

VISCOFOL
BLACK

Fine milled
to 5 microns

LAMINAR EFFECT

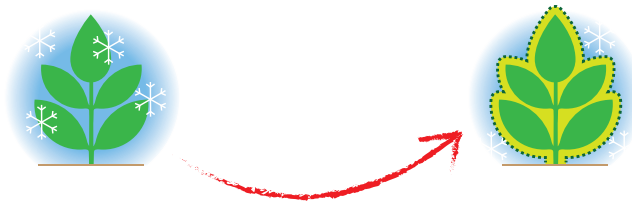
**Uniform distribution
on plant surface
= maximum nutrient uptake**



The natural refining process used to produce the fine milled Leonardite contained in Viscofol Black means it

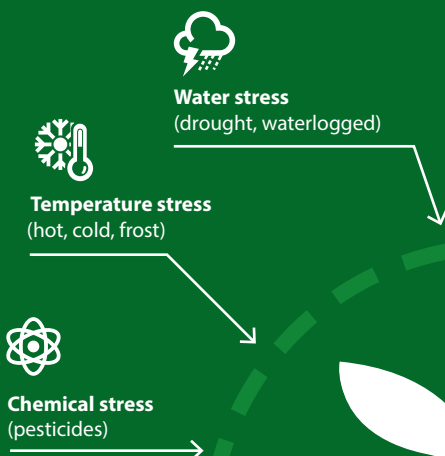
retains all the fractions of Humic, Humin, Ulmic and Fulvic acids that are lost in chemical processing methods.

3 Winter cold resistance



- **The product is designed to reduce the abiotic stress in plants caused by negative environmental factors: in particular – cold and frost.**
- **It adjusts the speed of assimilation of macro and trace nutrients and stimulates the immune system of plants.**
- **It substantially improves plant productivity and crop quality.**

A plant during its growth may face many different stresses:

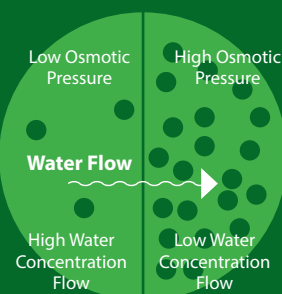


GO-Pro mechanism of action:

Improved stress tolerance is achieved by artificially increasing osmolytes in the cells of plants using GO-Pro.

GO-Pro interacts with enzymes to preserve protein structure and activities, which in turn helps the cell to maintain membrane strength.

GO-Pro accumulates in the cells and helps balance osmotic pressure in the cell, therefore helping to reduce dehydration of the cell under drought conditions.



GO-Pro 50SL

Contains: 5% specially selected essential L-amino acids.

GO-Pro 50 SL is:

- Highly increased stress resistance
- Stimulates the crop's natural defence mechanisms
- Stimulates natural sugar production to aid stress recovery
- Healthier plants
- Faster recovery and higher yields
- Root stimulation helps the crop find other essential minerals in deeper layers of the soil



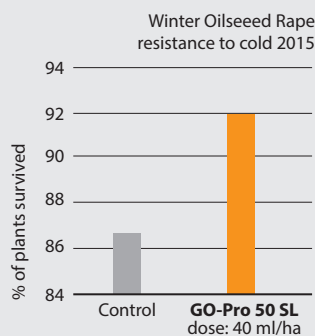
Package: **1 L**

Stable and active formulation

Content	(w/v)
Free L-amino acids (vegetable origin)	5 %
Ureic N	4.0 %
Organic N	0.6 %
Total N content	4.6 %



Scientifically proved results and effect:



Researchers calculated the increase of 18% on number of the plants survived after treatment with GO-Pro 50 SL before winter.

Source: Lithuanian Agricultural University, ASU

**Early prevention of stress leads to better yields
- do it before damage/suffering of the crop is evident!**

GO-Farming – Winter cereals



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Winter wheat is often drilled when soil temperatures are decreasing and soil moisture levels are increasing. The vegetation window is narrow and day light is limited. Therefore a key factor for us is to get quick effect on good plant establishment, root system development and winter resistance. Do the best for Your crops!

Pictures and growth stages			
	SOIL – SEED UNDERGROUND	GERMINATION 01-09	LEAF DEVELOPMENT 10-13
STEP 1 Crop establishment	Crop Improver - Universal 20-40 kg/ha or Crop Starter 20-40 kg/ha		
STEP 2 Root system boost		Phos-Stim 1.0-2.0 L/ha	
STEP 3 Winter cold resistance			GO-Pro 50 SL 40 ml/ha

GO-Farming – Winter Oilseed rape



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Oilseed rape is often drilled when soil temperatures are at their highest and soil moisture levels at their lowest but whatever your chosen method of planting, before winter sets in the aim is to achieve large deep rooted plants which provide good ground cover.

Pictures and growth stages				
	SOIL – SEED UNDERGROUND	GERMINATION 00-09	10	LEAF DEVELOPMENT 11-13 14-19
STEP 1 Crop establishment	Crop Improver - Super 20-40 kg/ha or Crop Starter 20-40 kg/ha			
STEP 2 Root system boost		VISCOFOL Black 1.0-2.0 L/ha		
STEP 3 Winter cold resistance				GO-Pro 50 SL 40 ml/ha

Ask for special offers now!

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