

GRO GREEN

NEW

GL

GL-products are a new generation of specialty fertilizers developed, tested and approved by our in-house research and development team.

The GL-line features products both for fertigation and for foliar application.

GL is a fertilizer gel designed specifically for optimum performance of roots and leaves enabling growers to increase yield and improve product quality.

GL - SPECIALTY FERTILIZER GEL

Key advantages

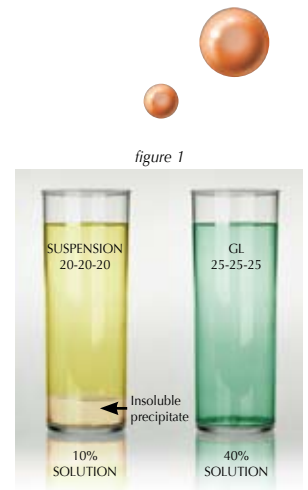
- **CONCENTRATED** GL fertilizers are highly concentrated formulations and therefore more efficient, often with fewer applications.
- **EFFECTIVE** Due to their unique composition, GL fertilizers reduce stress symptoms and protect against unfavorable growth conditions.
- **USER FRIENDLY** GL fertilizers combine the benefits of powders and liquids into one product, and are packed in a unique user friendly packaging.
- **FULLY SOLUBLE** Unlike suspension fertilizers, GL-formulations are free of insoluble compounds.
- **BLOCKAGE-FREE IRRIGATION** Low pH irrigation with GL opens up drippers, resulting in a clean and efficient irrigation system.
- **INCREASED NUTRIENT AVAILABILITY** GL-fertigation provides a sharp raise in nutrient availability because of a low pH and unique nutrient composition.
- **FOLIAR EFFICIENCY** For flourishing growth, leaves need effective yet mild products to control deficiencies and to avoid leave burning and scorching. A spray with GL-gel assures a uniform nutrient film with optimum adhesion.





Gel versus Suspensions

- GL-products are more concentrated (up to 30%)
- GL-products are free of insoluble additives and therefore guarantee a maintenance free and efficient irrigation system (figure 1)



GL 16-67-16

Crop stage :



Physical aspects :

Appearance : blue colored gel
Solubility : 200 gram per liter of water
Density : approximately 1,6 kg/l
Packing : 5, 10 or 20 kg PE pouches in carton box

Chemical aspects	% W/W	% W/V
Total Nitrogen (N)	10	16
• Ammonium Nitrogen, NH_4-N	2,5	4
• Urea Nitrogen, NH_2-N	7,5	12
Water soluble Phosphorous Pentoxide (P_2O_5)	42	67
Water soluble Potassium oxide (K_2O)	10	16
Boron (B), soluble in water	0,010	0,016
Copper (Cu), soluble in water, EDTA chelated	0,0025	0,004
Iron (Fe), soluble in water, EDTA chelated	0,050	0,080
Manganese (Mn), soluble in water, EDTA chelated	0,025	0,040
Molybdenum (Mo), soluble in water	0,0015	0,0025
Zinc (Zn), soluble in water, EDTA chelated	0,0035	0,006

GL 25-25-25

Crop stage :



Physical aspects :

Appearance : green colored gel
Solubility : 200 gram per liter of water
Density : approximately 1,5 kg/l
Packing : 5, 10 or 20 kg PE pouches in carton box

Chemical aspects	% W/W	% W/V
Total Nitrogen (N)	16,5	25
• Nitrate Nitrogen, NO_3-N	1,6	2,4
• Urea Nitrogen, NH_2-N	14,9	22,6
Water soluble Phosphorous Pentoxide (P_2O_5)	16,5	25
Water soluble Potassium oxide (K_2O)	16,5	25
Water soluble Magnesium oxide (MgO)	0,65	1
Boron (B), soluble in water	0,010	0,015
Copper (Cu), soluble in water, EDTA chelated	0,0025	0,0035
Iron (Fe), soluble in water, EDTA chelated	0,050	0,075
Manganese (Mn), soluble in water, EDTA chelated	0,025	0,0375
Molybdenum (Mo), soluble in water	0,0015	0,002
Zinc (Zn), soluble in water, EDTA chelated	0,0035	0,005

GL 17-11-55

Crop stage :



Physical aspects :

Appearance : red colored gel
Solubility : 200 gram per liter of water
Density : approximately 1,7 kg/l
Packing : 5, 10 or 20 kg PE pouches in carton box

Chemical aspects	% W/W	% W/V
Total Nitrogen (N)	10	17
• Nitrate Nitrogen, NO_3-N	3,6	6,2
• Urea Nitrogen, NH_2-N	6,4	10,8
Water soluble Phosphorous Pentoxide (P_2O_5)	6	11
Water soluble Potassium oxide (K_2O)	32	55
Water soluble Magnesium oxide (MgO)	1	1,7
Boron (B), soluble in water	0,010	0,017
Copper (Cu), soluble in water, EDTA chelated	0,0025	0,004
Iron (Fe), soluble in water, EDTA chelated	0,050	0,085
Manganese (Mn), soluble in water, EDTA chelated	0,025	0,040
Molybdenum (Mo), soluble in water	0,0015	0,0025
Zinc (Zn), soluble in water, EDTA chelated	0,0035	0,006

GL 9-54-54

Crop stage :



Physical aspects :

Appearance : orange colored gel
Solubility : 200 gram per liter of water
Density : approximately 1,9 kg/l
Packing : 5, 10 or 20 kg PE pouches in carton box

Chemical aspects	% W/W	% W/V
Total Nitrogen (N)	5	9
• Urea Nitrogen, NH_2-N	5	9
Water soluble Phosphorous Pentoxide (P_2O_5)	28,5	11
Water soluble Potassium oxide (K_2O)	28,5	54
Boron (B), soluble in water	0,010	0,019
Copper (Cu), soluble in water, EDTA chelated	0,0025	0,0047
Iron (Fe), soluble in water, EDTA chelated	0,050	0,095
Manganese (Mn), soluble in water, EDTA chelated	0,025	0,045
Molybdenum (Mo), soluble in water	0,0015	0,0028
Zinc (Zn), soluble in water, EDTA chelated	0,0035	0,0065