

Soil application l/ha	Foliar application l/ha	30-0-0	15-5-5	10-10-10	0-29-26	6-24-0	8-32-5	3-6-18	22-0-16	0-0-27
Tomato, Pepper		15-25	0.2-0.4/100 l water	0.2-0.4/100 l water	2-5	7.5-10	7.5-10	0.2-0.4/100 l water	10-20	5-15
		25-45	5-7	5-7	2-5	15-25	15-25	5-8	20-40	5-20
Cucumber, Squash, Watermelon		7-25	0.2-0.4/100 l water	0.2-0.4/100 l water	2-5	7.5-10	7.5-10	0.2-0.4/100 l water	10-20	5-15
		25-45	5-7	5-7	2-5	15-25	15-25	5-8	20-40	5-20
Melon		7-25	0.2-0.4/100 l water	0.2-0.4/100 l water	2-5	7.5-10	7.5-10	0.2-0.4/100 l water	10-20	5-15
		25-45	5-7	5-7	2-5	15-25	15-25	5-8	20-40	5-20
Open field Horticulture		15-25	0.2-0.4/100 l water	0.2-0.4/100 l water	2-5	7-10	7-10	0.2-0.4/100 l water	10-20	5-15
		25-45	5-7	5-7	2-5	10-25	10-25	5-8	20-40	5-20
Greenhouse Horticulture		15-25	0.4-0.6/100 l water	0.4-0.6/100 l water	4-5	8.5-10	8.5-10	0.3-0.5/100 l water	15-25	5-15
		30-45	8-10	8-10	4-5	20-25	20-25	5-10	30-45	5-20
Leafy vegetables		15-25	0.2-0.4/100 l water	0.2-0.4/100 l water	2-5	7-10	7-10	0.2-0.4/100 l water	10-25	5-15
		25-45	5-7	5-7	2-5	10-40	10-40	5-8	20-40	5-20
Potatoes, Onions, Beets		7-15	0.3-0.5/100 l water	0.3-0.5/100 l water	2-5	7-15	7-15	0.2-0.4/100 l water	7-20	5-15
		25-45	5-7	5-7	2-5	10-40	10-40	5-7	20-40	5-20
Strawberry		7-25	0.4-0.6/100 l water	0.4-0.6/100 l water	2-5	7.5-10	7.5-10	0.4-0.6/100 l water	5-20	5-15
		25-45	5-7	5-7	2-5	15-20	15-20	5-10	20-40	5-20
Trees		10-30	0.5-0.6/100 l water	0.5-0.6/100 l water	2-5	7-10	7-10	0.4-0.5/100 l water	10-30	5-15
		45	7-10	7-10	2-5	10-30	10-30	5-10	40	5-20
Citrus trees		10-30	0.4-0.5/100 l water	0.4-0.5/100 l water	2-5	7.5-10	7.5-10	0.3-0.4/100 l water	10-30	5-15
		45	7-10	7-10	2-5	30-40	30-40	6-8	40	5-20
Vineyard		12.5-20	0.5-0.6/100 l water	0.5-0.6/100 l water	2-5	7.5-10	7.5-10	0.4-0.5/100 l water	10-20	5-15
		25-45	5-10	5-10	2-5	20-40	20-40	5-10	20-40	5-20
Cereals, Corn		7-30	0.2-0.4/100 l water	0.2-0.4/100 l water	3.5-5	5-15	5-15	0.3-0.5/100 l water	5-30	5-15
					10-45	10-45				
Cotton, Tobacco		5-25	0.4-0.6/100 l water	0.4-0.6/100 l water	2-5	7-10	7-10	0.3-0.5/100 l water	5-20	5-15
		25-45	5-6	5-6	2-5	25-45	25-45	4-6	20-40	5-20
Fodders		10-30	0.4-0.6/100 l water	0.4-0.6/100 l water	2-5	7.5-10	7.5-10	0.3-0.5/100 l water	10-30	5-15
		25-45	5-6	5-6	2-5	15-25	15-25	5-6	20-40	
Ornamental bushes		10-30	0.4-0.5/100 l water	0.4-0.5/100 l water	2	7.5-10	7.5-10	0.3-0.4/100 l water	10-30	5-15
		25-45	5-8	5-8	2-5	10-25	10-25	4-8	20-40	5-20
Ornamental plants		10-30	0.2-0.4/100 l water	0.2-0.4/100 l water	2	7.5-10	7.5-10	0.2-0.4/100 l water	10-30	5-15
		25-45	5-7	5-7	2-5	15-25	15-25	4-8	20-40	5-20
Urban green		15-25	0.6-0.8/100 l water	0.6-0.8/100 l water	2-5	10-30	10-30	0.4-0.6/100 l water	15-25	5-15
		25-45	5-7	5-7	2-5			5-10	20-40	5-20
Aromatic crops		15-25	0.4-0.6/100 l water	0.4-0.6/100 l water	2-5	7.5-10	7.5-10	0.3-0.5/100 l water	15-25	5-15
		25-45	5-6	5-6	2-5	15-25	15-25	4-6	20-40	5-20

DILUTION RATE - Whenever it is not mentioned, the usual dilution rate is:

1:200-400

# Liquid Fertilizers

# G R O W E R



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**GROWER 30-0-0** is a liquid slow release nitrogen fertilizer. It derives from poly-methylene urea and is a highly condensed source of liquid nitrogen.

- Offers gradual release of nitrogen.
- The release of nitrogen is affected only by ultraviolet sun radiation, temperature and microbial activity.
- Is resistant to volatilization and leaching due to the nitrogen form that it contains.
- Does not contain suspended particles and does not need any special agitation.
- Is ideal for foliar sprays and fertilization systems which have problem of clogging due to the high salinity of the water.
- Can be used also as a chemical sticking agent.
- Does not cause burns.
- Provides an energy source for the beneficial soil microorganisms.



**GROWER 15-5-5** is a liquid condensed NPK fertilizer (Nitrogen-Phosphorus-Potassium) that contains slow release nitrogen at a ratio 80% of the total content of nitrogen. Is a clear solution totally water soluble which is easily absorbed by the plant tissues of the leaves and the root.

- Provides a normal and balanced growth in all crops.
- Promotes the growth of shoots and leaves, increases the productivity of plants.
- Releases nitrogen and rest nutrients gradually in order to be fully assimilated by the plants.
- Has a very low phytotoxic index and does not create residue problems.
- Has sticking properties and as a result it does not leach or volatilize when applied foliarly.
- Helps in the proliferation of the beneficial soil microorganisms since it contains a high concentration of organic carbon compounds.
- Is environmentally sound.



**GROWER 10-10-10** is a liquid condensed NPK fertilizer (Nitrogen-Phosphorus-Potassium) that contains slow release nitrogen at a ratio 75% of the total content of nitrogen. **GROWER 10-10-10** is easily absorbed by the plant tissues of the leaves and the root since it is totally water soluble.

- Provides a normal and balanced growth in all crops.
- Increases the productivity of plants.
- Releases nitrogen and rest nutrients gradually in order to be fully assimilated by the plants.
- Has a very low phytotoxic index and does not let salts in the soil.
- Has sticking properties and as a result it does not leach or volatilize when applied foliarly.
- Helps in the proliferation of the beneficial soil microorganisms since it contains a high concentration of organic carbon compounds.
- Is environmentally sound.



**GROWER 6-24-0** is a liquid NP fertilizer (Nitrogen-Phosphorus) derived from ammonium polyphosphate. Is totally water soluble and is rapidly absorbed by the plant tissues of leaves and root. The liquid fertilizer **GROWER 6-24-0** has important advantages in comparison to other nitrogen-phosphorus fertilizers since:

- The contained phosphorus is 100% soluble and readily available to the plants.
- Nitrogen is ammonium and as a result it does not leach easily and remains available to the plants for a longer period of time.
- Nitrogen is bound to phosphorus and therefore it does not volatilize easily.
- The contained in **GROWER 6-24-0** ammonium nitrogen helps plants use phosphorus more effectively.
- Since phosphorus comes from polyphosphate acid, it fortifies the retention of micronutrients in the solution and increases their availability and uptake by the plants.
- It is easy to handle since it is in a liquid form.

**GROWER 3-6-18** is a liquid condensed NPK fertilizer (Nitrogen-Phosphorus-Potassium). The contained Potassium derives from potassium carbonate while nitrogen is 65% slow release nitrogen.

**GROWER 3-6-18** is suitable for foliar sprays and applications through fertigation and is capable of being quickly absorbed by the plant tissues of the leaves and the roots.

- Promotes the maturity in all crops and increases the productivity of plants.
- Improves soil aeration.
- Has a very low phytotoxic index and does not leave salts in the soil.
- Releases nitrogen and the rest nutrients gradually in order to be fully assimilated by the plants.
- Has sticking properties and as a result it does not leach or volatilize when applied foliarly.
- It is environmentally sound.



**GROWER 22-0-16** is a liquid clear Nitrogen-Potassium fertilizer suitable for foliar and soil applications. The 85% of the contained nitrogen is slow release, while potassium comes from potassium carbonate. Due to its origin **GROWER 22-0-16** has very low salt index and does not contain chlorides, sulphates and nitrates.

- Covers quickly and effectively the needs of plants in nitrogen and potassium.
- Offers gradual release of nitrogen.
- Can be used as a chemical sticking and a wetting agent.
- Due to its sticking property, nitrogen and potassium remain for a longer period of time on the leaf and as a result they are fully assimilated by plants.
- Provides an energy source for the beneficial soil microorganisms.
- Does not volatilize or leach.



**GROWER 0-0-27** is a fertilizer with a high percentage of Potassium which derives from Potassium Carbonate and for that reason it has a very low salt index.

- Increases the root growth and improves the resistance against drought.
- Assists photosynthesis and transportation of sugars and starch inside the plant cells.
- Increases the protein content of plants.
- Enhances the water uptake by the plant.
- Activates the leaf stomata for the proper exchange of CO<sub>2</sub>, oxygen and humidity.
- Improves the development and the maturity of fruits.
- Enlarges the shelf life of fruits.



**GROWER 0-29-26** is a highly concentrated PK fertilizer (Phosphorus-Potassium) derived from potassium phosphonate. **GROWER 0-29-26** is a clear solution totally water soluble which is immediately absorbed through the plant tissues of leaves and roots.

- Is absorbed much faster in comparison to phosphate fertilizers covering more efficiently the needs in phosphorus and potassium.
- Releases phosphorus gradually throughout the various growth stages of the crop.
- Promotes the growth of the plant and the root and improves the physical condition of the plant.
- Contributes to the achievement of high yields and improved crop quality.
- Increases the ability of plants to resist against adverse conditions caused by biotic and environmental factors.



**GROWER 8-32-5** is a fertilizer with a high content of Phosphorus ideal for young plants, seedlings and newly sowed fields. **GROWER 8-32-5** derives from high quality sources of Nitrogen, Phosphorus and Potassium while 50% of the contained nitrogen is of slow release.

- Ensures a good root system for the plants.
- Prevents flush growth which can lead to increased susceptibility of the plants.
- Provides a stable and continuous source of nitrogen achieving in this way the gradual growth of the plants.
- Phosphorus and Potassium are fully water soluble and for that reason they are readily available to plants.
- Does not contain salts and chlorides and therefore it is ideal for sensitive plants.

