

BiesterSOL

The water soluble fertilizer for all types of fertigation

As a high quality water soluble NPK fertilizer, **BiesterSOL** is made of only the best raw materials of European origin. It uses phosphorus (P) derived from mono-ammonical and mono-potassium phosphates as well as potassium derived from nitrate. Each composition is enriched with special trace elements like boron, iron, manganese, copper or zinc to improve the physical-chemical characteristics. **BiesterSOL** is extremely pure and does not contain any harmful substances like chlorine or sodium.

Wide range for each stage of vegetation

BiesterSOL is offered in a wide range of different compositions which provides the correct dosage for each plant development stage from planting until harvesting. Tailor made compositions are available on request.

Being 100% water soluble, **BiesterSOL** can be used in all kinds of irrigation systems: for drip irrigation and sprinkler systems, for soil grown crops and with hydroponic systems and in greenhouses as well as in open field cultivations. It is the perfect fertilizer for any horticulture, for fruit farming, grapes and citrus as well as for floriculture and plant nurseries.

Easy handling and application

Thanks to the use of a unique drying facility during the production process, **BiesterSOL** contains almost no humidity. This assures that the product does not cake, has an extended shelf life and is always free-flowing. These characteristics increase the solubility and facilitate the dosing. **BiesterSOL** is packaged in high-quality aluminium bags with a special durability.

The application of **BiesterSOL** is easy and time saving. The high product quality reduces the risk of leaching as well as of any water eutrophication.



**Available in 25 kg and
10 kg bags and in 2 kg buckets**

BiesterSOL

Composition

	N total	nitr.	amm.	ureic	P P₂O₅	K K₂O
20-20-20	20	6.0	4.0	10.0	20	20
18-18-18	18	2.5	5.5	10.0	18	18
30-10-10	30	3.0	5.0	22.0	10	10
15-5-30	15	9.0	6.0	–	5	30
15-30-15	15	4.0	9.0	2.0	30	15
11-52-10	10	2.5	8.5	–	52	10
12-12-36	12	7.0	2.0	3.0	12	36
18-10-32	18	6.0	–	12.0	10	32

Tailor made compositions are available on request.

Trace elements (in percent)

	Fe	B	Mn	Zn	Cu
	Iron chelated EDTA	Boron water soluble	Manganese chelated EDTA	Zinc chelated EDTA	Copper chelated EDTA
All compositions	0.03	0.01	0.02	0.01	0.01

Depending on the composition, BiesterSOL can also contain Magnesium (MgO) and Calcium (CaO).

Chemical and physical characteristics

	pH value	Solubility	Conductivity
	in a solution of 0,1 %	max at 24 °C (in gr./liter H ₂ O)	at 24 °C in mS/cm, solution of 0,1 %
20-20-20	5.20	500	0.84
18-18-18	5.50	490	1.24
30-10-10	5.80	520	0.80
15-5-30	4.70	440	1.24
15-30-15	6.50	420	0.80
11-52-10	6.25	420	0.93
12-12-36	6.10	450	0.90
18-10-32	6.20	430	0.80

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Dosage	kg/ha in fertigation
Horticulture in open field	100 - 200
Horticulture in greenhouse	80 - 100
Fruit farming	150 - 200
Grapes	150 - 200
Citrus	150 - 200
Floriculture and plant nurseries	30 - 50