

BiesterSOL Slow N

Water soluble fertilizer for fertigation with nitrogen stabilized

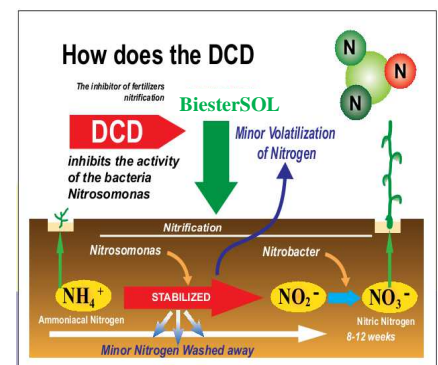
Our formulations are crystalline water-soluble fertilizers containing the three main elements required for plant nutrition. Nitrogen(N), Phosphor (P) and Potassium (K). The Nitrogen present under Ammoniacal form is stabilized with Dicyandiamide (DCD), a chemical Nitrification Inhibitor.

The DCD inhibits the bacteria which are responsible for the Nitrification for several weeks, by this, the transformation of the Ammoniacal Nitrogen into Nitric Nitrogen is slowed down.

This phenomenon permits a longer presence of the Ammoniation (NH_4) in the soil, which exalts the acidification affect of the fertilizer resulting into a major Ammoniacal Nitrogen absorption of the plants.

The Phosphorus (P) used in our Product deriving from Mono-Ammonium Phosphate which is highly soluble and immediately available to the plants. The Potassium (K), entirely deriving from Sulphate, assures a stabilized repining of the fruits, improving the coloration, the sugar contents, the conservation as well as the quality.

When our product is used immediately after planting it stimulates the sprouting and rooting of the plants, whilst used before blossoming it increases fertility of the soil.



Slow N 21 (SO3)	
COMPOSITION	Chemical and Physical characteristics
Total Nitrogen (N) 21 % of which Ammoniacal Nitrogen (N) 21%	pH in a solution of 0,1% = 6,30
Sulphuric Anhydride soluble in water 57,5%	Conductivity at 24° expressed in mS/cm of a solution at 0,1% = 2,03
Nitrification Inhibitor: Dicyandiamide (DCD) 2,5 % of the Ammoniacal Nitrogen (N)	Solubility max at 24° (gr./lt H2O) = 420
	Formulation: soluble crystals

BiesterSOL

Slow NPK 18-18-18 (SO3) water soluble Inhibitor of Nitrification

COMPOSITION												
Our product	(N) tot.	(N) nitr.	(N) amm.	(N) Ureic	P2O5	K2O	SO3	B	Cu	Fe	Mn	Zn
18.18.18	18%	2%	6%	10%	18%	18%	16%	0,01%	0,01%	0,03%	0,02%	0,01%
Chemical and Physical Characteristics												
pH in a solution of 0,1%= 6,3												
Conductivity at 24° expressed in mS/cm of a solution at 0,1% = 2,03												
Solubility max at 24° (gr./lt H2O) = 420												
Formulation: soluble crystals												

Slow NP 14-48-0 (SO3)

COMPOSITION	Chemical and Physical characteristics
Total Nitrogen (N) 14 % of which Ammoniacal Nitrogen (N) 14%	pH in a solution of 0,1% = 4,9
Phosphoric Anhydride (P2O5) soluble in water 48%	Conductivity at 24° expressed in mS/cm of a solution at 0,1% = 0,95
Sulphuric Anhydride soluble in water 11,5%	Solubility max at 24° (gr./lt H2O) = 380
Nitrification Inhibitor: Dicyandiamide (DCD) 2,5 % of the Ammoniacal Nitrogen (N)	Formulation: soluble crystals

Slow NK 8-0-32 (SO3)

COMPOSITION	Chemical and Physical characteristics
Total Nitrogen (N) 8 % of which Ammoniacal Nitrogen (N) 8%	pH in a solution of 0,1% = 3,2
Potassium Oxide (K2O) soluble in water 32%%	Conductivity at 24° expressed in mS/cm of a solution at 0,1% = 1,2
Sulphuric Anhydride soluble in water 51,2%	Solubility max at 24° (gr./lt H2O) = 120
Nitrification Inhibitor: Dicyandiamide (DCD) 2,5 % of the Ammoniacal Nitrogen (N)	Formulation: soluble crystals

Biesterfeld International GmbH

Ferdinandstrasse 41 · 20095 Hamburg · Germany
 Phone +49 40 32008-0 · Fax +49 40 32008-311
 E-Mail international@biesterfeld.com
<http://www.biesterfeld-international.com>