POLYOLS

TECHNICAL DATASHEET

Polyols, like sorbitol and mannitol, are commonly used for their **biostimulant and humectant properties** in the plant care industry. The role of polyols in plant care is well described in literature demonstrating **increased productivity** and **tolerance** to environmental stresses (drought, high-salinity, etc.). Naturally occurring in many plant families, and found in many seaweed and algal extracts, polyols are a natural stress-related metabolite used as a chelating agent, cryoprotectant, and in transport of sugars. Polyols are **naturally unreactive** and **highly compatible** with other bioactive compounds.

NEOSORB® (sorbitol) can be utilized for its role as a **biostimulant** and for its **high water solubility**, **chemical/pH stability, thermal stability**, and **preservative functionality**.
Mannitol is used as a co-formulant in numerous commercial products and is known for its **low hygroscopicity, high water stability and ability to delay settlement in suspensions.**

Our major advantage: as the global leader in polyol production, Roquette has strong expertise and technical skills for producing high quality products, using time-tested methods that guarantee reproducibility, along with a wide range of product options/grades.

HOW TO USE?

As a direct biostimulant or as part of a fertilizer composition having improved formulations for the following:

- Biostimulant applications
- Foliar applications
- Granulated nutrients and compounds

Polyols can be purchased in powder or liquid form.

Please contact your technical representative for dosage recommendations.

OUR ADVANTAGES

PROVEN PLANT BIOSTIMULANT

- Provides improved growth response and stress tolerance

WIDE PRODUCT RANGE

- Available in powder or liquid form, we offer a large range of product grades

CONSISTENCY AND QUALITY

- Proprietary process used to produce a consistent, stable product

POLYOLS

PHYSICAL PROPERTIES

This is a non-exhaustive list of our entire polyol range. Please contact our dedicated support team in order to select the grade that will best match your requirements.

	NEOSORB® 70/20	NEOSORB® 70/70	Mannitol 60	SweetPearl® P35
Type	Sorbitol	Sorbitol	Mannitol	Maltitol
State	Liquid	Liquid	Powder	Powder
Appereance	Clear Syrup	Clear Syrup	White Crystal.	White Crystal.
Purity	64% min	45% min	98% min	98% min
Water	~30%	~30%	0.3% max	1% max

MISCELLANEOUS INFORMATION

Storage temperature	5–30°C
Storage instructions	Closed container, protect from humidity
Shelf life	12 months
Packaging	25 kg bag, 1000 kh bag, bulk

Powder Sorbitol

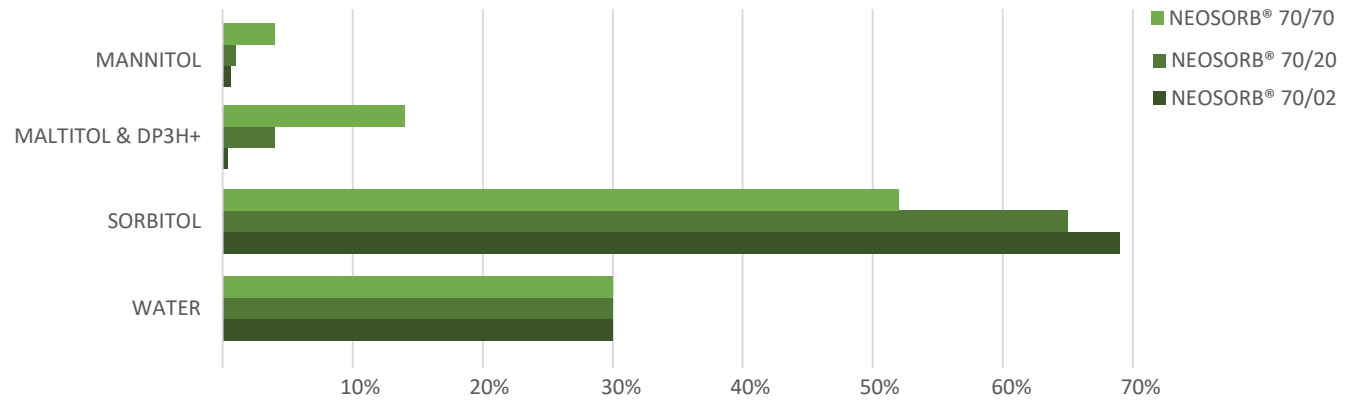
GRADES	SPECIFICATIONS
NEOSORB® P 20/60	Coarse
NEOSORB® P 30/60	Decreasing Particle size
NEOSORB® P 60	
NEOSORB® P 100T	Super fine

Liquid Sorbitol

GRADES	SPECIFICATIONS
NEOSORB® 70/02	Crystallizable Syrup
NEOSORB® 70/20	
NEOSORB® 70/70	Non-crystallizable Syrup

Roquette's primary grades of mannitol

GRADES	SPECIFICATIONS
MANNITOL 60	Coarse
MANNITOL 35	Decreasing Particle size
MANNITOL 25	Super fine
PEARLITOL® SD range	Specific for spray direct
PEARLITOL® DC range	Specific for direct compression
PEARLITOL® PF	Pyrogen free
PEARLITOL® 160 C	Coarse
PEARLITOL® 110 C	Decreasing Particle size
PEARLITOL® 50 C	
PEARLITOL® 25 C	Super fine



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