

BRANDT High Yield Potato Foliar Nutrition Program

Foliar feeding is one of the most efficient ways to supply nutrition to crops during critical growth stages. The proprietary BRANDT® SMART SYSTEM® and BRANDT® MANNI-PLEX® technologies both greatly improve the absorption and movement of nutrients to the plant growth points. This results in better crop health and quality, and improves seed set and formation.

Application Number	Timing	Product	Rate	Water	Purpose
0	With post-emergent herbicide application*	BRANDT Smart Quatro®	2 L/Ha	400 L	Help mitigate plant stress and aids in crop recovery from herbicide stress, providing a stay green effect. Deliver Zn, Mn, B and Mo to plant growing points, increasing root system and nutrient uptake.
1	10% beginning tuber growth (BBCH 41)	BRANDT Manni-Plex Complex; OR BRANDT Smart Quatro	2.5 L/Ha 2 L/Ha	600 L	Increase and improve root system and tuber size.
2	30% tuber growth (BBCH 43)	BRANDT Manni-Plex Ca AND BRANDT Manni-Plex B-Moly	2 L/Ha 1.5 L/Ha	600-800 L	Strengthen tuber and increase tuber size.
3	In presence of manganese deficiencies: 50% tuber growth (BBCH 45)	BRANDT Manni-Plex Complex; OR BRANDT Smart Quatro; OR BRANDT Smart Mn Plus	2.5 L/Ha 2 L/Ha 2 L/Ha	600-800 L	Improve vegetative efficiency. Manganese improves photosynthesis and promotes general health of the plant.
4	60% tuber growth (BBCH 47)	BRANDT Manni-Plex Ca AND BRANDT Manni-Plex B-Moly	2 L/Ha 1.5 L/Ha	600-800 L	Increase tuber size, dry matter and starch content. Strengthens and thickens skin. Helps prevent physio-pathological tuber dysfunctions.
5	90-100% of tuber growth (BBCH 50)	BRANDT Manni-Plex Ca	2.5 L/Ha	800 L	Enhance tuber quality and extend shelf life. Improve skin thickness.
Note:	Can be applied with each insecticide and/or fungicide application*	BRANDT Smart Quatro	2 L/Ha	400-800 L	Zinc, manganese and boron aid herbicide metabolism and help relieve crop stress.

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Product	Analysis w/w
BRANDT Smart Quatro	3.0% Zn, 3.0% Mn, 2.0% B, 1.5% S, 0.1% Mo
BRANDT Manni-Plex Complex	0.25% B, 1% Fe, 2.5% Mn, 2% Zn
BRANDT Manni-Plex Ca	10% Ca, 5% N
BRANDT Manni-Plex B Moly	3.3% B, 0.5% Mo
BRANDT Smart Mn Plus	4.0% Mn [2.0% S, 5% N]

High performance foliar zinc, manganese, sulphur and a highly efficient new form of boron. Designed for compatibility with most post-emergent herbicides, fungicides and insecticides.



How BRANDT SMART SYSTEM Works

BRANDT SMART SYSTEM nutrients are formulated with a protective barrier around the nutrient that prevents the metal from binding with pesticides. Incompatible nutrients and pesticides, especially herbicides, that bind often lead to crystallization and gelling in the tank, which can cause a host of application issues. BRANDT SMART SYSTEM helps prevent this from occurring so that nutrients and agrochemicals can co-exist in the tank with no issues.

BRANDT Manni-Plex B Moly is up to 8x more efficient and mobile than 10% boron.



How BRANDT MANNI-PLEX Technology Works

BRANDT MANNI-PLEX technology is a unique blend of sugar alcohols (polyols) of low molecular weight which react with nutrients, making them more mobile within the plant, both through the phloem and xylem, carrying them directly to the plant's growth forming locations, both reproductive (in particular fruit and inflorescence) and vegetative.

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