



# STEFES

## MACRO PK



## SUSPENSION FOLIAR FERTILIZER

Highly concentrated PK suspension for intensive nutrition of a wide range of crops

Content: 10,80 % N + 21,60 %  $P_2O_5$  + 21,60 %  $K_2O$   
+ microelements



STEFES MACRO PK is characterised by a very high concentration of phosphorus and potassium. The product additionally incorporates nitrogen and a full set of readily available microelements as a supplementary nutrient source to achieve optimal plant growth.

STEFES MACRO PK is suited to autumn and spring fertilisation, especially in periods unfavourable for absorption of phosphorus and potassium from the soil (high or low temperatures, drought or excess of water together with flooding of the root system).

### Key advantages of STEFES MACRO PK

- Very high phosphorus and potassium content, which are absorbed immediately
- Well-balanced composition of micronutrients
- It increases resistance to pathogens and stress conditions (frost, drought, etc.)
- It helps to achieve higher crops of higher quality
- It increases resistance of plant for low temperatures
- It stimulates the growth of root system of plants (improved water management)

Crop	Number of treatments	Usa rate l/ha	Time of application
Sugar beets	2-3	2-3	From 4 – 6 leaves unfolded stage to 100% closure of rows (BBCH 16-39)
Fruit trees	a few	3-5	At green bud stage, after flowering and during the intensive growth. It is also recommended to use STEFES Macro PK after exposition to stress conditions such as drought, low temperatures, etc. when there are difficulties with absorption of nutrients from the soil
Berries	a few	3-5	After exposition to stress conditions such as drought, low temperatures, etc. when there are difficulties with absorption of nutrients from the soil and during intensive growth
Corn	1	2-3	During intensive growth stage (6-10 leaves unfolded – BBCH 16-19)
Oilseed rape	2	2-3	Autumn: 1 treatment from 6-8 leaves unfolded (BBCH 16-25); spring: 1-2 treatment after restart of the vegetation to the beginning of buds' development (BBCH 25-50)
Open field vegetables	3	2-3	1st from 4 – 6 leaves unfolded (BBCH 14-16), then at 14 days intervals to increase the resistance to stress conditions
Spring Cereals	2	3	From 3 – 4 leaves unfolded stage to the beginning of inflorescence emergence stage (BBCH 13-50)
Winter Cereals	2	2-3	Autumn: 1 treatment from 3-4 leaves unfolded (BBCH 13-25), spring: 1 treatment from the beginning of spring vegetation to the beginning of inflorescence emergence, heading (BBCH 31-50)
Potatoes	2-3	2-3	From main stem elongation (crop cover) to 40% of total final tuber mass reached (BBCH 35-73), at 12-14 days intervals

STEFES MACRO PK is miscible with most crop protection chemicals. However, we recommend to make a small compatibility test with those agents scheduled for mixing and spraying. Use the product on dry crops – not at high temperatures.

STEFES MACRO PK may be applied at recommended plant development stages for prevention, especially under adverse conditions for potassium and/or phosphor uptake from the soil, or after deficiency symptoms of these macronutrients appear.

CAUTION: STEFES MACRO PK can not be mixed with calcium fertilizers and magnesium sulfate.

Macroelements	% of weight	% of volume
Nitrogen (N) total including	8,00	10,80
Ammonium N (NH <sub>4</sub> )	3,00	4,05
Nitrate N (NO <sub>3</sub> )	3,00	4,05
Urea N (NH <sub>2</sub> )	2,00	2,70
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	16,00	21,60
Potassium (K <sub>2</sub> O)	16,00	21,60
Microelements	% of weight	% of volume
Boron (B)	0,035	0,047
Copper (Cu)	0,045	0,061
Iron (Fe)	0,100	0,135
Manganese (Mn)	0,015	0,020
Molybdenum (Mo)	0,007	0,009
Zinc (Zn)	0,035	0,047



ANTI EVAPORATORS



SURFACTANTS



HUMECTANTS



EDTA CHELATION



ADHESION INTENSIFIERS



MISCIBLE WITH PLANT PROTECTION AGENTS

Microelements chelated with EDTA and fully water soluble  
Density 1,35 kg/l, pH 5,0-6,0