



## SPROUT Organic Fertilizers

### Granular Microbial NPK Blend

**SPROUT** Microbial NPK Blend (SNPK) is a granular version of liquid SPROUT Microbial Soil Conditioner (SSC) and SPROUT Biological Nutrient Supplement (SNS) combined into a single solid formulation which is 100% organic.

#### USES

- soil preparation / conditioning
- NPK fertilizer
- improving efficiency of chemical fertilizers

As a **soil conditioner** SNPK improves soil fertility and aeration by adding beneficial micro-organisms (bacteria and fungi) to the soil which through natural activity :

- transform naturally occurring major and minor nutrients in the soil into plant usable form.
- break down residual deposits left by chemical fertilizers into plant usable form.
- decompose organic matter and extract nutrients in plant usable form.
- break the life-cycle of harmful pests in the soil leading to eradication.
- fix atmospheric nitrogen.

As a **nutrient supplement** SNPK provides plants with major and minor nutrients as well as trace elements essential for plant growth and development.

SNPK is economical with an application rate of 50 kg/acre.

SNPK also works on weak soils when adding organic matter and/or compost and increasing the dosage.

#### BIO-CHEMICAL APPLICATION

SNPK improves the efficiency of chemical fertilizers like Urea and NPK. Only half the amount of Urea or NPK normally used is required when mixed 1:1 with SNPK.

Apart from yield increases, soil condition should no longer deteriorate and may improve.



#### ORGANIC APPLICATION

To grow totally organic produce, use SNPK on its own or with SNS and no chemical herbicides or pesticides.

After 3 years of organic application, soils should be free of chemical fertilizer residue and produce could be considered organically grown.

SNPK is suitable for vegetables, fruits, grains, legumes, flowers, herbs, shrubs, trees grasses etc.

For detailed instructions and recommendations for best yield results, consult the SPROUT Application Guidelines or online resources.

#### BENEFITS

- improved soil structure and aeration for improved water retention, root development and plant growth
- a greater availability of nutrients in the soil
- a reduction of harmful chemicals in the soil
- a reduction of harmful pests in the soil
- a greater tolerance to pests and disease
- fuller flowers and larger fruit with higher yields

#### INGREDIENTS

##### MICROORGANISMS

Plate count  $1.2 \times 10^3$  CFU/g

##### - BENEFICIAL BACTERIA

Achromobacter, Aerobacter, Bacillus, Clostridium, Nitrobacter, Nitrosomonas, Pseudomonas, Streptomyces

##### - BENEFICIAL FUNGI

Aspergillus, Polyporus Rhizopus

#### NUTRIENTS

Nitrogen	N	1.00%
Phosphorous	P <sub>2</sub> O <sub>5</sub>	1.00%
Potassium	K <sub>2</sub> O	1.00%
Calcium	CaO	0.25%
Magnesium	MgO	0.01%
Sulphur	S	0.03%
Boron	B	10 ppm
Chlorine	Cl	0.5%
Copper	Cu	2 ppm
Iron	Fe	8 ppm
Manganese	Mn	5 ppm
Molybdenum	Mo	1 ppm
Zinc	Zn	5 ppm
Organic matter		25.00%

#### IMPURITIES

Contains no chemicals or heavy metals.

#### PACKAGING

25 kg PP bags (recycleable).

**GROW ORGANIC - FERTILIZE WITH SPROUT**