



## NURTURKIND – KMIX

### Nanolizer (NPK 06:00:18 SC)

NURTURKIND KMIX is prepared by Nano-technology which is the science of engineering large particles into significantly smaller micron size. NURTURKIND KMIX is a suspension concentrate (SC) to get micron sized particles of nutrients into suspended form. NURTURKIND KMIX has higher Nutrient Uptake Efficiency (NUE) due to SC form, compared to conventional fertilizer. NURTURKIND KMIX is a source of N, K and fortified with Ca, Mg and Bo.



## Mode of Action

NURTURKIND KMIX improves uptake of nutrients through pores of plant cells. The key principle lies in the smaller size of particle which has faster absorption rate and mobility in the plant. NURTURKIND KMIX particle size is less than 30  $\mu$  and thus promotes rapid absorption in roots and leaves. NURTURKIND KMIX enters the plant root (nutrient gateway) easily, because the plant cell wall openings are in the range of 20-80  $\mu$  and are highly porous on micro-meter scale. NURTURKIND KMIX particles are absorbed & penetrated into the leaf opening easily because the stomata openings of leaf are also in the range of 20-80  $\mu$ .







## Features & Benefits





- NURTURKIND KMIX has faster absorption rate and mobility in the plant.
- NURTURKIND KMIX, once enter into the plant through leaf, the cell-to-cell transportation is facilitated faster.
- NURTURKIND KMIX are more efficient or more active than normal NPK (WSF powder), due to smaller particle size.
- NURTURKIND KMIX contains 6% N in NO<sub>3</sub> form, which is readily taken up by plants. N accelerates carbohydrate metabolism, works as a vital element in protein metabolism & cell division and is an important element for healthy growth.
- NURTURKIND KMIX contains 16% K in the form of KNO<sub>3</sub>, which helps increased absorption of the element. K is a vital element during fruit development & maturity, improves fruit size & taste, gives better colour, shining and enhances shelf-life.
- NURTURKIND KMIX also contains some micronutrients (Ca, Mg and B), which are required in traces, but play very important role in plant growth, development and productivity.

## Crop Recommendation

CROPS	TARGET PEST/ DISEASE	DOSAGE
 Vegetables	<ol style="list-style-type: none"><li>1. Better fruit development &amp; maturity</li><li>2. Improved fruit size &amp; taste</li><li>3. Better colour &amp; shining</li><li>4. Enhanced shelf-life</li></ol>	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Cotton	<ol style="list-style-type: none"><li>1. Better fruit development &amp; maturity</li><li>2. Improved fruit size &amp; taste</li><li>3. Better colour &amp; shining</li><li>4. Enhanced shelf-life</li></ol>	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)

CROPS	TARGET PEST/ DISEASE	DOSAGE
 Soybean	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Ginger	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Green gram	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Pomegranate	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Mango	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Onion/Garlic	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)

CROPS	TARGET PEST/ DISEASE	DOSAGE
 Grapes	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Chillies	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Paddy	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Oranges	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Groundnut	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Cumin	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)

CROPS	TARGET PEST/ DISEASE	DOSAGE
 Potato	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Opium	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Green pea	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)
 Apple	1. Better fruit development & maturity 2. Improved fruit size & taste 3. Better colour & shining 4. Enhanced shelf-life	Apply @ 1 ml/L of water (Foliar spray) Apply @ 500 ml/acre (Drip irrigation)

1 Ltr	500 ml	250 ml	100 ml
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