PRODUCT INFO & DATASHEET

SICOGREEN SEED ENHANCER

NPK 10.20.20 + 3MgO + CTE + Humic Acid + Cytokinin and GA3

Water Soluble Powder - Specially formulated soluble seed enhancer

1. PRODUCT ANALYSIS

A/ PHYSICAL DATA

Appearance	off white powder
Odour	neutral
Solubility in water	100%
Bulk density	1100 to 1200 g per litre
pH 1:100 w/v	t.b.d.

B/ CHEMICAL DATA

Nitrogen	10.0	%
Ammoniacal N	3.04	%
Nitrate N	5.04	%
Urea N	2.0	%
Phosphorus (P2O5)	20.0	%
Potassium (K2O)	20.0	%
Magnesium Oxide (MgO)	3.00	%
Copper (Cu) as EDTA Chelated Cu	0.05	%
Iron (Fe) as EDTA Chelated Fe	0.10	%
Manganese (Mn) as EDTA Chelated Mn	0.05	%
Zinc (Zn) as EDTA Chelated Zn	0.05	%
Molybdenum (Mo)	0.005	%
Boron (B)	0.02	%
Growth regulators:		
Cytokinin	0.01	%
GA3	0.025	%
Humic Acid	2.5	%

2. PRODUCT DESCRIPTION

- SICOGREEN SEED ENHANCER is a specially formulated seed dressing based on an NPK for ease of use, it is a soluble seed enhancer that ensures optimum seed germination.
It is a known fact that nutritionally superior seed is important to ensuring a good germination and root development in the early crop establishment. By applying **SICOGREEN SEED ENHANCER** to the seed, rapid absorption of important trace elements, amino acids and root growth regulators are achieved. The amino acids and growth regulators are also a food source for the micro-organisms of the soil around the root zone.
- SICOGREEN SEED ENHANCER is a water soluble synergistic powder containing an array of major and trace elements and NPK's. It is rich in analysis and acts as a valuable supplement to soil applied fertiliser programs and provides the nutrients **needed to induce blooming and fruit set**. **SICOGREEN SEED ENHANCER** increases production if adequate soil moisture and nitrogen are available. If the soil moisture is not adequate, when ready to apply, the producer should irrigate or wait until rainfall occurs before application. These applications do not replace your regular fertilization program.
Add **SICOGREEN SEED ENHANCER** for increased yields.

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3. BENEFITS

- Improved root surface area has better ability to extract costly nutrients from the soil.
- Reduced danger of seedling loss by water, wind erosion and drought.
- Greatly improved stress resistance.
- Countering the pruning effect on the roots by herbicides, which inhibit the uptake of the essential trace elements.
- Improvement of root: shoot ratio, with an increase in soil organic matter, resulting from root activity.
- Potential for reduction in fertiliser cost.
- Amino acids provided are a food source for the microbes.
- Application of **SICOGREEN SEED ENHANCER** has proven successful in improving plant vigor, crop quality, early maturity and increased yields.
- **SICOGREEN SEED ENHANCER is unique in its mode of action, resulting in heavy bloom and fruit set.**
- The balance of nutrients in **SICOGREEN SEED ENHANCER** encourages faster transition from plant vegetative stage to the reproductive stage of development, resulting in early maturity and increased yields.

4. APPLICATION

* Method of Application

Apply as a foliar spray with ground or aerial equipment. Apply with any spray tip and equipment that delivers a fine, even mist to ensure coverage. **Do not apply this product through any type of irrigation equipment**.

Spray solution and volume:: Mix with water to prepare spray solution. For ground applications, apply 50 to 200 litres of water per ha unless specified otherwise below. For aerial applications, apply in 5 to 50 litres of water per ha unless specified otherwise below.

* Suggested rates for Application

Cotton: Apply 500g per hectare directed to foliage at emergence of first leaves or 600g per ha directed to foliage at midpoint emergence of true leaves and prior to bloom.

Soybeans: Apply 500g to 1kg per ha broadcast between first true leaves and prior to bloom.

Wheat, Millet, Rice, Oats, Triticale, Rye and Rye Grass:

*** For spring planted grains and grasses**:
Apply 500 g per ha early in the growing season, as soon as sufficient foliage is present to get crop coverage.

* **For fall and winter planted grains and grasses** such as wheat, oats, rye and rye grass,
apply 500 g per ha as soon as dormancy is broken.

For rice: repeat with the last pre-flood herbicide application.

Corn and Grain Sorghum: Apply 500 g per ha directed to crop foliage at 3-5 blade stage.

Oil Seed crops (sunflower, rape, canola, sesame, safflower, etc.):
Apply 500 g per ha at 3-leaf stage. Repeat at 14-day intervals during growing season.

Peanuts: Apply 500 g per ha 28 days after emergence. Repeat every 10-14 days through bloom.

Forage, Fodder and Hay crops: Apply 0.5 to 1 kg per ha at the 4-5 leaf stage or at dormancy break.
For ratoon crops, repeat after cutting.

Legume Vegetables (succulent or dry) (beans, peas, lentils, etc):
apply 500 g per ha in a band at 3-5 leaf stage. Repeat at 10-14 day intervals during the growing season.

Citrus (oranges, grapefruit, lemons, etc.), Pome Fruit (apples, pears, etc.), Stone Fruit (apricots, cherries, nectarines, peaches and plums), Grapes, Berries (all kins except strawberries) and small fruit: Apply 1 kg in 400 litres of water at fruit set.

Strawberries: Apply 500 g per ha 7 to 10 days after new foliage appears in the spring.
Repeat at 14-day intervals during the growing season.

Melons (watermelons, cantaloupes, honeydew melon etc.) and Cucumbers:
Apply 500g per ha as runners put out. Repeat at 14-day intervals during the growing season.

Squash (pumpkin, summer and winter): Apply 500 g per ha at 5-leaf stage. Repeat at 14-day intervals during the growing season.

Tomatoes: Apply 500 g per ha at 5-leaf stage. Repeat at 14-day intervals during the growing season.

Peppers: Apply 500 g per ha at 5-leaf stage. Repeat at 14-day intervals during the growing season.

Eggplant: Apply 750 g per ha at the 4-5 leaf stage. Repeat at 2-week intervals.

Okra: Apply 500 g per ha directed to foliage at emergence of first true leaves and again prior to bloom.

Asparagus: Apply 750 g per ha at the 4-5 leaf stage. Repeat at 2-week intervals during the growing season.

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Potatoes, Sweet Potatoes and Yams: Apply 250 g per ha at 6-8 leaf stage. Repeat at 14-day intervals during growing season.
Beets, Radishes, Carrots, Turnips and Parsnips:
Apply 500 g per ha at 5-leaf stage. Repeat at 14-day intervals during the growing season.
Onions, Garlic: Apply 500 g per ha 21 days after transplant. Repeat at 14-day intervals during the growing season.
Leafy Vegetables (lettuce, spinach, mustard, collards, kale, bok choy, etc.):
Apply 500 g per ha at 3-leaf stage. Repeat at 14-day intervals during the growing season.
Brassicas (broccoli, cabbage, cauliflower, brussel sprouts, etc.):
Apply 500 g per ha at 3-leaf stage. Repeat at 14-day intervals during the growing season.
Tree Nut Crops (almonds, macadamia, pecan, pistachio, walnut etc.):
Apply 750 g per ha in 400 litres of water at fruit set. Repeat 10 days later.
Tobacco: Apply 250 g/1000 litres of transplant solution at time of transplant. Apply 250 g per ha at suckering.
Outdoor/Indoor Flowering Shurbs, Ornamental Plants:
Apply 750 g per 5 litres of water sprayed in a fine mist every 14 days during growing season.
Pine Seedlings (in nurseries): Apply 1 kg per ha every 14 days during the growing season. At packaging for shipment, mix 1.5 kg per 400 litres of water and dip seedling roots or spray roots to runoff of solution.
Turf: Apply 500 g per ha broadcast when turf breaks dormancy.

*** Seed Treatment (all seeds):**
Planter Box Application Method: Partially fill the hopper box with a pre-measured amount of seed.
Apply 50g per 50 kg of seed as a seed treatment dressing. Mix with a stick or paddle until all the seed is coated.
Repeat procedure until the hopper box is full. **DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.**
Treat only those seeds for immediate use and planting. Do not store excess treated seed beyond planting time.

- Lentil, mung, azuki, faba & black eyed peas, field peas and other legumes	Apply 1-2 kg product + 5 ltr water per ton of seed (100 g per 100 kg seed)
- Rice, wheat, barley, oats	Apply 1-2 kg product + 3 to 5 ltr water per ton of seed (100 g per 100 kg seed)
- Maize, sweet corn	Apply 1-2 kg product + 2 to 5 ltr water per ton of seed (100 g per 100 kg seed)
- Vegetable seeds (onion, brassicas, carrots, melon, cucumber, tomatoes, etc.)	Apply 100 g product to enough water per 100 kg of seed

*** In-Furrow Application Method**: Apply 100 g per ha at planting into the furrow.
SICOGREEN SEED ENHANCER may be tank mixed. SEE COMPATIBILITY.

*** Seed Cleaning Application Method**:
Apply 100 g per 50 kg of seed at the time of seed cleaning.
DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES. An approved dye must be added to distinguish treated seed and prevent inadvertent use for food, feed or oil purposes. Seed treated with this product must be labeled in accordance with all applicable requirements of legislation governing seed treatments.

*** Potato Seed Pieces**:
Apply 25gm/50 kg of cut seed pieces. Treat potato seed pieces immediately after they have been cut.
Apply so that the cut seed pieces are thoroughly covered.
SICOGREEN SEED ENHANCER may be mixed with other seed treatments and carriers such as fir and alder bark to ensure uniform coverage.

5. COMPATIBILITY

SICOGREEN SEED ENHANCER *is compatible with most liquid fertilizers, herbicides and fungicides.*
When compatibility is in question, test with the standard quart jar method.

! DONOT USE WITH DINITRO COMPOUNDS, DORMANT OIL, BORDEAUX, SPRAY LIME, OR HIGHLY ALKALINE SPRAY MATERIALS.
! ALWAYS ADD SICOGREEN NPK 10-20-20 TO SPRAY MIXTURE AS THE LAST INGREDIËNT.

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