Sustainable Crop Nutrition



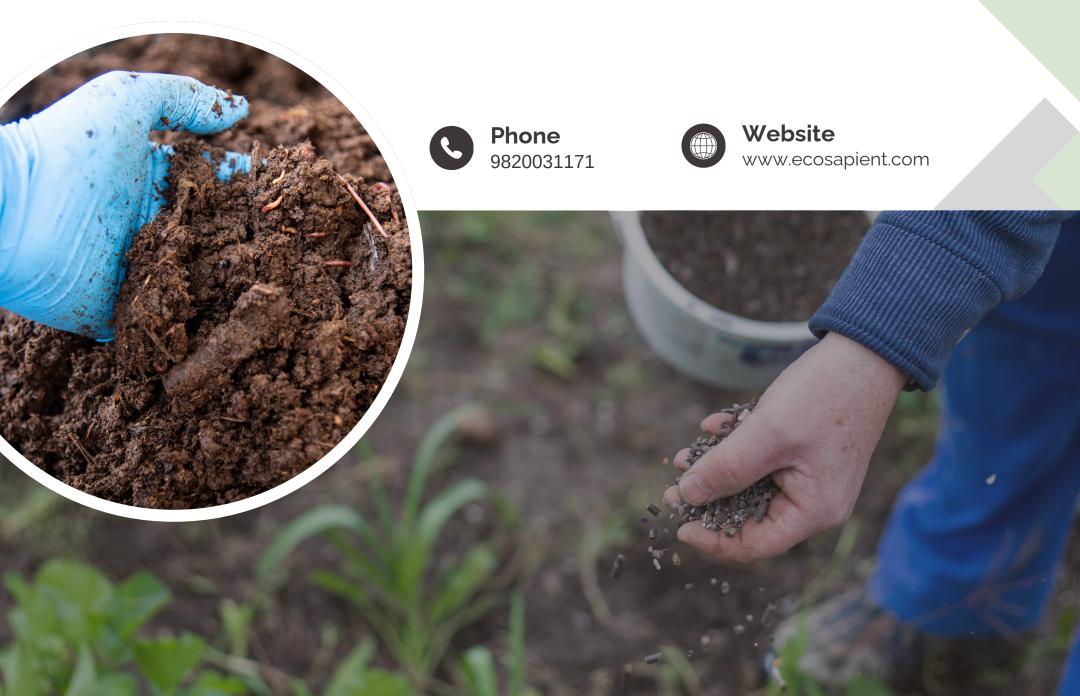
Revolutionizing agriculture with sustainable nanotechnology for higher yield and a greener future.

Boosts Crop Yield & Nutrient Uptake

Eco-Friendly & Sustainable

Cutting-Edge Innovation

Future of Agriculture



Nano Urea (N:12%)

Nano-Urea is a highly efficient and effective Nitrogen fertilizer with a particle size less than 100nm, providing enhanced solubility and rapid plant uptake.

Composition: Nitrogen: min 12% | SG at 20 °C: 1.08

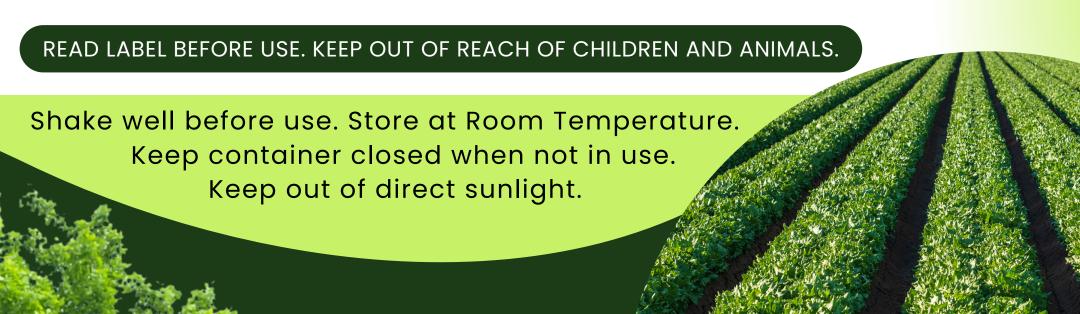
Compatabilty:

- Nano Urea can be mixed with bio stimulants, 100% water soluble fertilizers, and agrochemicals.
- It is always advised to go for jar test before mixing and spraying for compatibility.

Relevant Substance:

Nano Urea (CAS No: 57-13-6)

Concentration: min Nitrogen 12%



Application Table

Fertigation:

Crop	Application date	Dosage L/ha
Fruit Trees (Pomefruit, Stonefruit, Grapes, Berries, Deciduous fruit, Subtropical fruit, Citrus)	3–4 months before flowering • Drip irrigation: 6,000 L water/ha • Flood irrigation: 8,000–10,000 L water/ha	2.5L
Ornamentals	10–15 days after planting • 10,000-15,000 L of water/ha (drip irrigation)	2.5L
Maize	 15 days after planting the crops Drip irrigation: 8,000–12,000 L water/ha Flood irrigation: 15,000–20,000 L water/ha 	2.5L
Cereals (e.g., wheat or barley):	15 days after planting the crops • Drip irrigation: 6,000–10,000 L water/ha • Flood irrigation: 10,000–15,000 L water/ha	2.5L
Potato	15 days after planting the crops • Drip irrigation: 10,000–15,000 L water/ha • Flood irrigation: 15,000–20,000 L water/ha	2.5L
Tomato, Cucurbits	5–7 days after transplanting • 10,000-15,000 L of water/ha (drip irrigation)	2.5L
Beetroot, Carrot, Legumes	10–15 days after germination • 10,000-15,000 L of water/ha (drip irrigation)	2.5L

Foliar Application

Crop	application date	Dosage rate L/ha
Fruit Trees – High Density (Citrus, Stonefruit, Pomefruit)	2 sprays: • Before flowering (pre-bloom) • After flowering (fruit set stage)	0.45L
Fruit Trees – Low Density (Berries, Grapes, Subtropical fruits)	2 sprays: • Before flowering (pre-bloom) • After flowering (fruit set stage)	0.45L
Ornamentals	2–3 sprays: • Early growth stage (15–30 days after germination/transplanting) • Flowering stage (40–50 days after germination/transplanting) • Optional: Fruit setting stage (50–70 days after germination/transplanting)	0.45L
Maize	 2–3 sprays: First spray: 6-leaf stage (about 25–30 days after germination) Second spray: Pre-tasseling stage (about 40–50 days after germination) Optional third spray: End of flowering (about 60–70 days after germination, if deficiency signs appear) 	0.45L
Cereals (Wheat, Barley, etc.)	2–3 sprays: • First spray: End of tillering (about 20–30 days after germination) • Second spray: Booting stage (about 40–50 days after germination) • Optional third spray: Early heading (about 50–60 days after germination, if extra nutrients are needed)	0.45L

Foliar Application

Crop	Application date	Dosage rate L/ha
Potatoes	 First spray: Tuber initiation stage (about 20–30 days after germination) Second spray: Early flowering (about 40–50 days after germination) Optional third spray: Early bulking stage (about 50–60 days after germination, for increased tuber size/quality) 	0.45L
Tomato, Cucurbits	5–7 days after transplanting with 10,000–15,000 L water/ha	0.45L
Beetroot, Carrot, Legumes	10–15 days after germination with 10,000–15,000 L water/ha	0.45L

Hazard Statements:

Harmful if swallowed.

Causes serious eye irritation.

Causes skin irritation.

May cause respiratory irritation.

Harmful

Precautionary Statements:

- · Keep out of reach of children.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Use only outdoors or in a well-ventilated area.
- If medical advice is needed, have container or label at hand.

Prevention:

Response (In Case of Accidental Spillage or Exposure, Emergency Response, and First-Aid):

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- IF ON SKIN: Wash with plenty of soap and water.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- METHODS FOR CLEANING UP: Absorb with inert, damp, non-combustible material and dispose properly.

Storage:

- Store in a well-ventilated place. Keep container tightly closed.
- Store away from incompatible materials (acids, oxidizing agents).

Disposal:

• Dispose of contents/container in accordance with local/regional/national/international regulations.

