

INDORAMA GRANULAR UREA

INDORAMA NEEM COATED UREA

INDORAMA NPK



Uniform granule size.

Low moisture, anticaking properties, low biuret content & Free flowing.

Higher crushing strength, which prevents caking.

 Standards Organization of Nigeria (SON) Certified.



- Enhances the nitrogen use efficiency and crop remain green for longer time.
- It increases crop productivity
- Protect crop from pest and diseases.
- Prevent Urea application losses by Volatilization and Leaching



A = 50 KG

- Indorama NPK maintains quality and have a perfect balance of nitrogen, phosphorus, and potassium.
- Nitrogen is needed for vegetative growth.
- Phosphorus is needed to produce strong roots and shoots.
- Potassium is needed to produce quality fruit and flowers, also increases resistance to diseases.
- Calcium from limestone granules helps in decreasing soil acidity.



Nigeria's Juicy Gems of Nature, Bursting with Vibrant Flavors

INDORAMA

Essential materials, Better lives,

Tomato originated from Tropical America around Peru/Mexico regions in the 1860s where it was only grown as a garden ornament, called "Love Apple". It was introduced to Nigeria in the 19th century and now the most widely grown and important vegetable. China is the leading producer of tomato followed by USA. Nigeria is the second largest producer of Tomato in Africa cultivated in various regions of the country and 13th in the world with an average annual production of 2.3 million metric tons. Production of tomato mostly coming from the northern states such as Kano, Jigawa, Sokoto, and Kaduna being some of the major tomato-producing areas.









TOMATO CROP

Land Preparation and Soil Requirement

- Tomato is a daylength neutral plant. The optimum mean daily temperature for growth is 18 to 25°C.
- The land selected should be void of debris or stubbles from previous crops.
- Tomato is adapted to sandy loam to clay loam soil.
- Select a well-drained fertile soil, free from nematodes and with pH range between 5 7.
- Select a flat and well leveled site to avoid leaching nutrients.
- Pre-planting herbicide (Glyphosate) at the rate of 3L/ha should be sprayed 2 weeks before land preparation.
- The land should be ploughed and harrowed to ensure fine tilth.
- Ridging is done at the spacing of 75 cm.
- Where the land is slopy, ridge across the slope to prevent erosion.

Nursery Management and Transplanting

- Obtain seed from reputable licensed seed companies or research institutes.
- Seeds should be drilled at rate of 450 g/ha in seedling trays, raised or sunken nursery beds.
- Mulch with dry grasses or perforated synthetic material and irrigate lightly using watering can immediately after sowing.
- Seedlings should be transplanted when they are about 10-15 cm in height (4 - 6 weeks old).
- One seedling per hole should be transplanted at a spacing of 75 x 50 cm on ridge and 60 x 60 cm in bed.

Water Management

- The soil profile should be wet to a depth of about 15-20 cm.
- The amount of irrigation water applied depends on the soil type, temperature, and growth stage.
- Regular irrigation (5 7 days interval) is necessary.
- The frequency of irrigation should be increased at critical stage of tomato (fruiting).

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Weed Control

- Post-emergence herbicide (Metalachlor +Metribuzin) can be applied at the rate of 1.0 kg a.i/ha at 3 weeks after transplanting.
- Alternatively, hoe weeding should be carried out at 2 and 4 weeks after transplanting.
- The field should therefore be kept weed free.



Fertilizer Management with 4R Nutrient Stewardship

- For good mineralization, organic manure should be incorporated into the soil at least 2 weeks before transplanting at the rate of 8-10 tons/ha.
- Inorganic fertilizer at the rate of 170 kg Nitrogen: 75 kg Phosphorus: 200 kg Potassium/ha.
- A full dose of phosphate (P) & potassium (K) should be applied using 10 numbers of 50 kg bags (500kg) of Indorama NPK during land preparation.
- The balance of Nitrogen should be supplied in split application of 4 bags (200 kg) of Indorama Neem coated urea fertilizer should be applied in split doses, at 3 and 6 weeks after transplanting.
- Timely application of both organic and inorganic fertilizer is essential in tomato crop growth and development.

How to Reduce Fertilizer Loss

- Apply urea fertilizer early in the morning or evening.
- Avoid urea fertilizer application when it is about to rain or when the weather is cloudy.
- Do not apply urea fertilizer at once but in split doses to minimize losses.
- Avoid broadcast method of fertilizer application.
- Apply nitrogen fertilizer after weeding to prevent competition from weeds.
- Apply only the recommended dose of urea fertilizer.
- Proper drainage will reduce urea loss due to runoff.

Harvesting and Crop Storage

- The fruits are ready for first picking at 8-10 week after transplanting and spread over a period of 4 weeks and beyond (1-2 pickings per week).
- They are picked manually by hand when they turn from green to pink or reddish color.
- Tomatoes that are not yet ripe are optimally stored at room temperature uncovered, out of direct sunlight, until ripe.
- Tomato that is grown for processing should be harvested when fully ripe to ensure the desired quality is achieved.
- Store in cool, dry, well-ventilated, and plastic perforated boxes before refrigerated.
- Tomatoes should only be refrigerated when well ripened.