

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 areen for longer time

It increases crop productivity

 Protect crop from pest and diseases.

■ Prevent Urea application losses by Volatilization and



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- Indorama NPK maintains quality and have a perfect balance of nitrogen, phosphorus, and
- Nitrogen is needed for vegetative
- 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 Fiery Essence, **Igniting Taste Buds with Flavorful Fireworks**

INDORAMA

Essential materials. Better lives.

Pepper originated from Central and South America, it is now distributed and cultivated widely across the globe. Pepper is an important agricultural crop not only because of its economic importance but also due to the nutritional and medicinal value of its fruits as well as being an excellent source of natural colors and antioxidant compounds. It is the world's second most important vegetable ranking after tomatoes, and it is the most produced type of spice flavoring and coloring for food. Nigeria is the known to be one of the major producers in the world accounting for about 50% of the African production and the major area of production is Northern Nigeria.









PEPPER CROP

Land Preparation and Soil Requirement

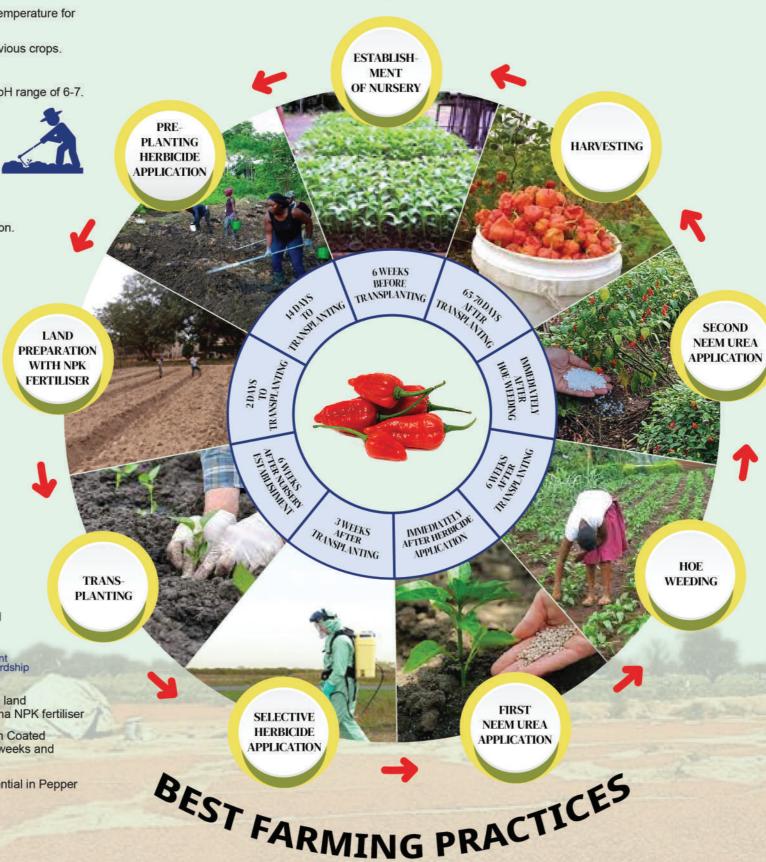
- Pepper is a day length neutral plant. The optimum mean daily temperature for growth is 21 to 26°C.
- The land selected should be void of debris or stubbles from previous crops.
- · Chili Pepper is adapted to loam or Sandy-Loam soil.
- Select a well-drained fertile soil, free from nematodes and with pH range of 6-7.
- Select a flat and well leveled site to avoid leaching of nutrients.
- Pre-planting herbicide (Glyphosate or Glufosinate-Ammonium) at the rate of 2-3L /ha should be sprayed two weeks before land preparation.
- The field 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 sown at rate of 400-800 g/ha for OPV or 80-100 g/ha for hybrid in seedling trays or round nursery (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 - 5 weeks old).
- One seedling per hole should be transplanted at a spacing of 75 x 50 cm on ridge and 50 x 50 cm in bed.

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 180 kg Nitrogen: 75 kg Phosphorus: 150 kg Potassium /ha.
- Full dose of Phosphate and Potassium should be applied during land preparation with 10 numbers of 50 kg bags (500 Kgs) of Indorama NPK fertiliser
- The Nitrogen is to applied in split doses through Indorama Neem Coated Urea ie 2 number 50 kg bags (100 Kg) Neem coated urea at 3 weeks and again at 6 weeks.
- Timely application of both organic and inorganic fertilizer is essential in Pepper crop growth and development.



How to Reduce Fertilizer Loss

- Apply urea fertilizer early in the morning or evening.
- Apply Neem coated Urea for slow release of Nitrogen.
- 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 run off.

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.

Harvesting and Crop Storage

- The fruits are ready for first picking at 9-12 weeks after transplanting and spread over a period of 5 weeks and beyond (1-2 pickings per week).
- They are picked manually by hand when they turn from green to reddish color.
- Pepper that is grown for processing should be harvested when fully ripe to ensure the desired quality is achieved.
- Store in cool, dry well-ventilated.
- Peppers should dried in well ventilated hygienic environment

Indorama Fertilizer: Improving Agriculture, Improving Lives