

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 = 10.00

- 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.



Cabbage

Nigeria's Crisp and Leafy Delight, Harvested for Freshness

INDO RAMA



Cabbage is a leafy vegetable that is popular throughout the world because of its adaptability to a wide range of climatic conditions, ease of production and storage. Nigeria produced around 2.4 million tons of cabbage in 2020, making it the largest producer of cabbage in Africa. Plateau state in Nigeria is having the highest production due to its cool weather. Cabbage farming is also gaining popularity in other African countries such as Kenya, Tanzania, and Ethiopia. Cabbage is mostly used in preparing salad, vegetable soups or eaten raw. It is rich in nutrients such as calcium which is good for human health. The leaves are cut and used as compost or feed for livestock.









CABBAGE CROP

Land Preparation and Soil Requirement

- The optimum temperature for tomato germination is between 13 and 24°C, although the range for growth is between 24 and 30°C.
- It can be grown successfully on any well-drained fertile soil, preferably sandy loam.
- Cabbage grows best in cool moist climate.
- It is grown mainly during the cold dry season in Nigeria.
- The optimum pH range for cabbage is 5.5 to 6.8.
- Pre-planting herbicide (Glyphosate) at the rate of 2 L/ha should be sprayed 2 weeks before land preparation.
- Organic manure or FYM (10 15t/ha) should be broadcasted on the field 2 weeks before land preparation.
- The land should be harrowed along with the broadcasted FYM thoroughly into a fine tilth. This will aid infiltration, aeration and water holding capacity
- The land should be ridged or made into raised beds.

Nursery management and transplanting

- 500 g of seeds is required to plant a hectare.
- Seeds can be sown on seedbeds or in seed trays.
- Prepare raised beds 20-30 cm high, 2 x 1 m dimension or any convenient length.
- Incorporate organic manure into the soil.
- Drill seeds at 5-10 cm apart, 1.5 cm deep
- Mulch seedbed to protect seeds from sun until emergence.
- Seedbeds should be monitored every day.
- The seedling should be transplanted when they are about 10 to 15 cm in height (4 weeks after sowing)
- Depending on the variety, transplanting should be 45 x 45 or 60 x 60 cm apart.

Water management

- Irrigation is essential at the time of transplanting.
- Irrigation should be done within 3 7 days interval. The interval depends on crop stage and prevailing atmospheric condition.



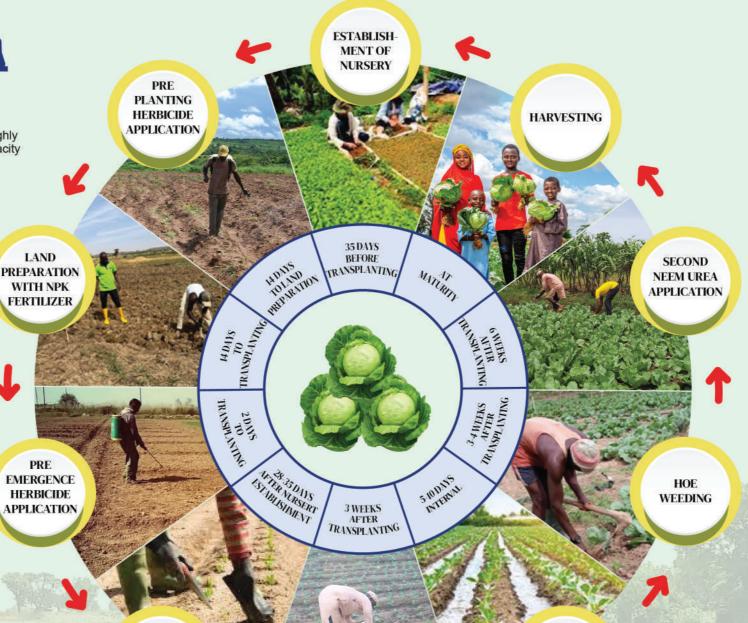
TRANS-

PLANTING

Weed Control

- Cabbage is sensitive to weed competition at early stage of growth.
- The field should therefore be kept weed free.
- Manual hoe weeding can be done at 3 and 5 weeks after
- Use Pendimenthalin, 2-3 L/Ha or oxidiazone as pre-emergence herbicide at the rate of 1.5 kg a.i/ha.





Fertilizer Management with 4R **Nutrient Stewardship**

 Cabbage requires 150kg N, 60 kg P2O5 and 60 K2O. That is 8 bags of Indorama NPK and 3 bags of Urea (Indorama Neem coated Urea) will be required for 1 hectare.



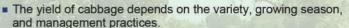
- NPK to be incorporated during the land preparation.
- Indorama Neem Coated Urea is applied in split doses. First split is done 3 weeks after the Transplanting, and the second split applied at 3 weeks after the first urea application.

How to Reduce Fertilizer Loss

- Apply only the recommended dose of urea fertilizer.
- Split application of urea fertilizer.
- Use dibbling as method of urea fertilizer application.
- Avoid broadcast method of fertilizer application to avoid wastage.
- Apply urea fertilizer late in the evening or early in the morning.
- Apply urea fertilizer after weeding to avoid competition from indigenous weeds
- Proper water management practices (avoid excessive irrigation).
- Proper drainage will reduce urea fertilizer loss due to runoff.

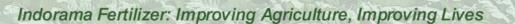
Harvesting and Yield

- Harvesting is done when the heads are fully mature and firm and can stay longer in storage.
- Harvest is done when the heads are closed and still in
- Cabbage with loose or soft head is yet to mature.
- Use knife to cut the cut the head from the base of the plant leaving about 3 leaves to protect the head



Cabbage can yield up to 50 tons per ha with good agronomic





FIRST

NEEM UREA

APPLICATION

BEST FARMING PRACTICES

IRRIGATION