

DUOKEM AGRO

**NUTRILIZER
WORLD'S BEST
ORGANIC FERTILIZER**



DUOKEM

ABOUT FERTILIZER

'NUTRILIZER' is a 100% ORGANIC FERTILIZER. Use of this will be a NOVEL CONCEPT amongst our countrymen farmers who are accustomed to use CHEMICAL BASE FERTILIZERS. Since 'NUTRILIZER' is 100% ORGANIC BASE, it is miles away from all adverse effects of a fertilizer.

WHAT IS NUTRILIZER ?

- It is manufactured from various Plants/ Plant pieces, specially cassava plant, Minerals and is TOTALLY FREE from synthetic & chemical materials.
- It does not contain any slaughter house waste.
- It has a shelf life of ONE YEAR but should be stored with proper packing in a COOL & DRY PLACE without direct exposure to sunlight.

HOW TO USE IT?

1) Add this FERTILIZER in DRY FORM along with double quantity of cow dung (200-kg our FERTILIZER + 400-kg cow-dung) to the farm 15-days in advance before sowing the seeds and cover it with soil. Water it depending upon the moisture condition & climate. {Moisture condition must be retained for this entire period of 15-days. As such, if needed, add small quantities of water after 3~5 days}

This 1st step mentioned above is the most important step / instruction to use FERTILIZER. We cannot expect desired results without following this instruction carefully & strictly.

2) This is called the **basic fertilizer step** as it is added to the soil even **before** plantation/sowing. The effect of FERTILIZER on fields will last for 4~5 months.

HOW TO USE IT?

3) For long duration crops / already grown trees like mango, pomegranate, apple, etc add the FERTILIZER in 2-stages

a) 2-kg @ One ~ two months after plucking fruits.

b) 2-kg @ Two ~ three months before flowering of fruit trees.

While doing this, dig out the surrounding area and form a ring, spread the FERTILIZER along with cow dung (**2-kg of manure + 4-kg cow-dung**) and cover it with soil. Subsequently continue watering. Add cow-dung or any other **organic** manure after 5-months of adding our FERTILIZER. As our FERTILIZER works only for 4~5 months after being added to the soil.

4) This FERTILIZER can be used for all kinds of fruit tree, vegetables & flowers. It may be used for other trees / plantations based on the economic viability, as this product is recommended for all kind of plantations due to its basic nature of improving the soil condition.

DOSAGE

**Quantity in Kg/Acre*

- ▶ For Cereals & Pulses @ 200-kg + 400-kg cow-dung
- ▶ For Vegetables (all kinds) @ 200-kg + 400-kg cow-dung
- ▶ For Fruit Tree @ 2+2-kg/ Tree *(As instructed under "how to use it" in point no.3)*
- ▶ For Tea @ 500-kg *(Depending on density of trees)*
- ▶ For Sugarcane @ 200-kg + 400-kg cow-dung
- ▶ For all kinds of grass @ 200-kg + 400-kg cow-dung
(wheat grass, barley grass, alfalfa grass, oat grass etc.)

BENEFITS TO FARMERS

► BENEFITS ON SOIL

NUTRILIZER has a very good effect on the soil. Repeated usage of our FERTILIZER has proved to improve the soil condition naturally in a large way. The main function of our product is to improve the soil condition. If the soil condition improves naturally, anything grown in a healthy soil shall give healthy plants, fruits, vegetables and flowers.

	NUTRILIZER	OTHER FERTILIZERS
1	Increased holding capacity of water causing better drainage	<u>Water-Logging</u> : A heavily compacted soil typically have this feature which is considered bad for any cultivation activity.
2	Excellent aeration	<u>Anaerobic condition</u> : Soils will suffer from anaerobism (absence of free oxygen). Roots require oxygen
3	Soil becomes easy to work due granular & soft structure	Soil becomes very hard to break making it difficult to work
4	Resistance to soil erosion & compaction	Heavy soil erosion making soil to lose the superficial / unlocked nutrients on the surface
5	Ideal soil unlocking the nutrients making it easy for plants to absorb	<u>Locked-up nutrients</u> : Due to the agglomerated structure of the soil it becomes very difficult for the roots to absorb micronutrients due to which plants will suffer from malnutrition.
6	<u>V.Imp</u> : Good biological activity in the soil	No much biological activity due to harsh soil conditions

BENEFITS TO FARMERS

► TECHNICAL BENEFITS

- The growth of plants is faster.
- It will form a thin layer beneath the leaf like a safety armor giving strong, dark & pest resistance features to the leaf, resulting in a better photosynthesis and ultimately increasing the immunity of overall plant.
- The vegetable quality will improve. It will have improved TASTE and FRESHNESS, which shall be retained for a longer period.
- In flowering plants, the flowers will remain fresh for long even after plucking. They will have attractive colour as well as long lasting fragrance.
- The fruits and crops will be enriched with high NUTRITIONAL VALUES.
- The plants grow stronger having better immune system thus reducing the usage / dosage of pesticides.

BENEFITS TO FARMERS

► TECHNICAL BENEFITS

- This makes the flowers, fruits and vegetables less poisonous. Lesser usage of pesticides also reduces the risk of contamination of pesticides with soil thus further helping in better soil condition.
- This FERTILIZER will largely help in qualifying the rigid lab tests of fruits and vegetables which are meant for exports, specially to European countries where the laws for imports are quite strict. The regular usage of organic FERTILIZER results in fewer residues in food which also helps in qualifying the tests. It is also healthy for humans to consume food with fewer residues..
- Being 100% natural, the fruits, vegetables, grains, cereals, pulses, flowers etc grown using this FERTILIZER will prevent humans from all kinds of ill effects which otherwise would be encountered using chemical / inorganic fertilizers.

BENEFITS TO FARMERS

► COMMERCIAL BENEFITS

- The output of crops and fruits will increase substantially.
- The fruits and vegetables can be tagged as ORGANIC and sold. Thus fetching better price to farmers.
- Since you will only have to add this product **once** for all kinds of plantation with 6-months or less production cycle, it will save a lot of time, energy and money by avoiding and eliminating all the steps of addition of any other fertilizer. Thus saving farmers from labor cost of addition of any other fertilizer. In short, only one fertilizer for only one time for the entire production cycle.

BENEFITS TO FARMERS

► COMMERCIAL BENEFITS

- The plants will grow stronger having better immune system thus reducing the usage / dosage of pesticides. This further saves the investments on pesticides reducing the cost.
- With repeated usage of FERTILIZER over the period, the soil becomes naturally naturally which may help to reduce the dosage of FERTILIZER thus bringing down the cost for farmers.
- Farmers have experienced better price, better productivity with better soil condition. What else could you possibly ask for ?

NUTRILIZER EFFECTS



SUCCESS STORIES

NUTRILIZERTM

your vital ally for
planting and seeding



NUTRILIZER EFFECTS ON SORGHUM AND WHITE RADISH



NUTRILIZER EFFECTS ON GREEN ONIONS



Without NUTRILIZER
Poor Soil : Poor Crop



With NUTRILIZER
Rich Soil : Rich Crop

NUTRILIZER EFFECTS ON CORN



Without NUTRILIZER
Weak and dry leaves, weak
node/stem : Weak Crop



With NUTRILIZER
Strong & Dark Leaves, thick
n long node/stem ready to
take weight of heavy corn
(Kernel n whole ear) : Strong
crop

NUTRILIZER EFFECTS



Difference observed in newly grown corn plants. Remarkably, the GREEN leaf is using NUTRILIZER, whereas the reddish leaf is using other fertilizers. Not just the color, if zoomed in, the red leaf also has white spots. All this shows the deficiency in the plant where as ours appeared to be a healthy grown one, where both grown in the same field under same conditions.

NUTRILIZER EFFECTS VINEYARDS (GRAPES ON FIELDS)



Without NUTRILIZER
Small leaves having light
green shed & lesser holding
capacity



**Large size & well
developed leaves with
darker shed & higher
holding capacity, using
NUTRILIZER**

NUTRILIZER EFFECTS VINEYARDS (GRAPES ON FIELDS)



Without NUTRILIZER
Node at the top is reddish
showing deficiency. The
length of cane is small with
lesser lateral branches



WITH NUTRILIZER
Dark green node with very
lengthy cane, having more lateral
branches ultimately giving more
output. Organically grown grapes
are much sweeter too

NUTRILIZER EFFECTS ON COCONUT TREES



Without NUTRILIZER
Daddek phase (*a pre-grown coconut stage*) shed away even before growing into a fully grown coconut giving lesser count of coconuts



WITH NUTRILIZER
Large count of daddek are maturing into fully grown coconuts giving more productivity and healthy trees

NUTRILIZER EFFECTS ON AVOCADOS

- Increases holding capacity of water causing better drainage.
- Provides Excellent aeration.
- Helps soil become easy to work with due to its granular & softer structure.
- Supports resistance to soil erosion & compaction.
- It is ideal to unlock all nutrients from soil making it easy for plants to absorb them.
- Gives excellent biological activity in the soil.
- Increases substantially soil fertility.
- Prevents soil acidification.
- Increases soil aggregate structure.
- Adjusts soil pH value.
- Increases yield

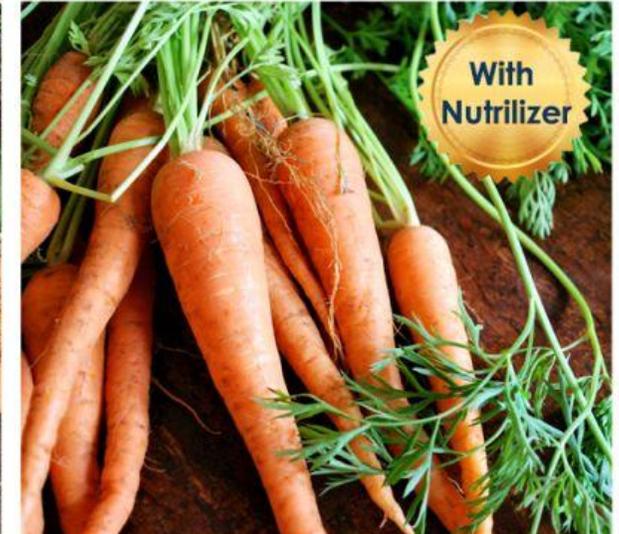
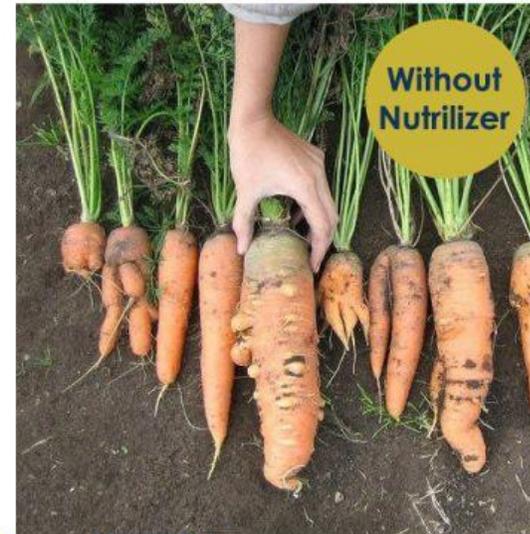
DUOKEM



NUTRILIZER EFFECTS ON CARROTS

- Increases holding capacity of water causing better drainage.
- Provides Excellent aeration.
- Helps soil become easy to work with due to its granular & softer structure.
- Supports resistance to soil erosion & compaction.
- It is ideal to unlock all nutrients from soil making it easy for plants to absorb them.
- Gives excellent biological activity in the soil.
- Increases substantially soil fertility.
- Prevents soil acidification.
- Increases soil aggregate structure.
- Adjusts soil pH value.
- Increases yield

DUOKEM



NUTRILIZER EFFECTS ON TOMATOES

- Increases holding capacity of water causing better drainage.
- Provides Excellent aeration.
- Helps soil become easy to work with due to its granular & softer structure.
- Supports resistance to soil erosion & compaction.
- It is ideal to unlock all nutrients from soil making it easy for plants to absorb them.
- Gives excellent biological activity in the soil.
- Increases substantially soil fertility.
- Prevents soil acidification.
- Increases soil aggregate structure.
- Adjusts soil pH value.
- Increases yield

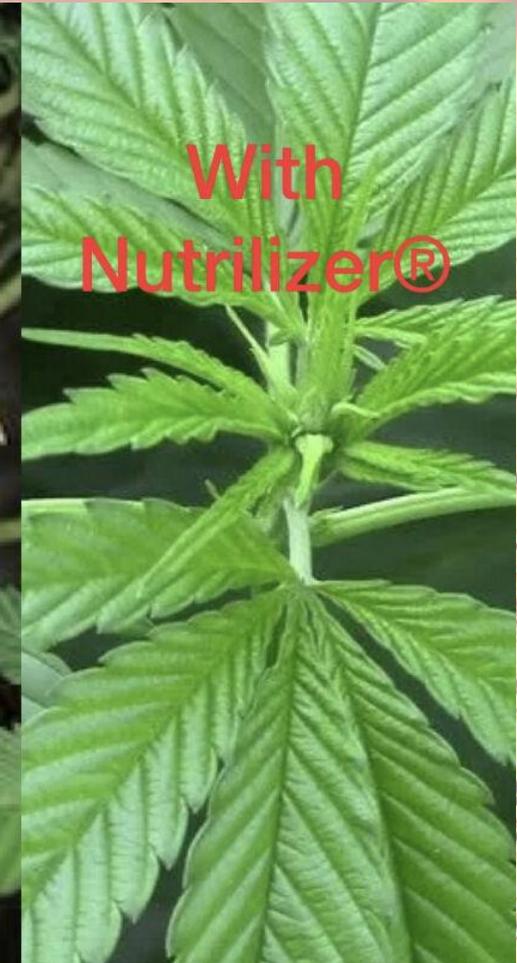


DUOKEM

NUTRILIZER EFFECTS ON CANNABIS



Nitrogen deficiency can cause yellow leaves at the bottom of the plant, short plants with small leaves, plants not supporting themselves and leaves that would become weak and fall off. Our 100% organic fertilizer has the Nitrogen levels necessary to grow healthier, greener and stronger plants.



Contact us



marketing@duokem.com