



DETOX GROUP

# Agriya Dhaan™ City Compost



## FCO SPECIFICATIONS

a	Moisture % by weight, maximum	15.0-25.0
b	Colour	Dark Brown to Black
c	Odour	Absence of foul order
d	Particle Size	Minimum 90 %material should pass through 4.0 mm I S sieve.
e	Bulk density (g/cm <sup>2</sup> )	< 1.0
f	Total organic Carbon % by wt. (minimum)	12.0
g	Total Nitrogen (as N) % by wt. (minimum)	0.8
h	Total Phosphate (as P2O5) % by wt. (minimum)	0.4
i	Total Potash (as K2O) % by wt. (minimum)	0.4
j	C:N ratio	<20
k	pH	6.5 – 7.5
l	Conductivity (as dsm-1) not more than	4.0
m	Pathogens	Nil
n	Heavy metal content, (as mg/kg) by weight, maximum	
	i. Arsenic (as As <sub>203</sub> )	10.00
	ii. Cadmium (as Cd)	5.0
	iii. Chromium (as Cr)	50.00
	iv. copper (as Cu)	300.00
	v. mercury (as Hg)	0.15
	vi. Nickel (as Ni)	50.00
	vii. Lead (as Pb)	100.00
	viii. Zinc (as Zn)	1000.00



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## DETOX GROUP OF COMPANIES

### CORPORATE OFFICE:

Detox House, Opp. Gujarat Samachar Press,  
Udhana Darwaja, Ring Road, Surat-395002, India.  
p. +91 2612351248, 2346181,  
e. compost@detoxgroup.in, w. www.detoxgroup.in



### Agriya Dhaan - City Compost

- ◆ Agriya Dhaan is a City compost generated from the organic material separated during treatment of municipal solid waste.
- ◆ It is a pure organic fertilizer without any chemical additives.

### Why is Agriya Dhaan Special?

- ◆ In Agriya Dhaan the various compounds of converted carbohydrates, protein, lignin and citric acid are present in required quantity
- ◆ This fertilizer enriches the mineral content of the soil and also provide nutrition to the micro organisms present in soils.
- ◆ The main components of this compost provide protection from root damaging micro organism present in soil.

#### a) Physical Characteristics:-

- Improves the soil structure.
- Improve soil productivity.
- Improve the water holding capacity of soil.
- Maintains the fundamental characteristics of soil.

#### b) Chemical Characteristics:-

- Provides necessary micronutrients to soil in organic form.
- Activate the various components in soil and provides it to plants at a slow & steady rate for a longer period.
- Promotes growth of flowers and fruits by providing balanced nutrients.

#### c) Biological Characteristics:-

- Agriya Dhaan has numerous useful micronutrients which increase soil fertility.
- Produce necessary enzymes which are helpful for the growth of plant.
- Increase the internal resistance capacity of crops to face adverse situation.
- Provide protection to the roots of plants/crops by "Pro-Biotic" activities.



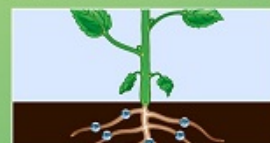
### Summary of Agriya Dhaan

- ◆ Promotes soil fertility.
- ◆ Helps in the fast and healthy growth of plants.
- ◆ Improves quality of crop.
- ◆ Improves functionality of soil.
- ◆ It increases the resistance and strength of crop to survive during water scarcity situations.



### How Agriya Dhaan Benefits the soil ?

- ◆ Improves fertility and usefulness of waste land.
- ◆ Keeps the soil healthy.
- ◆ Converts the organic minerals to hummus content.
- ◆ This city compost is ideal for improving the soil qualities.
- ◆ Improves soil fertility during sowing season.
- ◆ Helps in increasing fertility of soil.
- ◆ Helps in survival of microorganisms by protecting minerals and maintaining optimal soil temperature by providing sufficient water.
- ◆ Gives protection to crops from various pests and disease carriers & controls insect infestations in agricultural produces.
- ◆ Stores the mineral content & supplies it to the plants / crops at required rate there by increasing soil fertility.



### How To Use Agriya Dhaan?

Agriya Dhaan can be used as standalone compost or by mixing it in appropriate proportion with a chemical fertilizer. It is mixed or sprayed on soil during sowing season. It can be sprayed either in single line or in pits around the tree. It can be mixed with the top soil layer ( Approx 10 cm.) of the crops before watering the plants. This city compost is suitable for use in field & gardens for the growth of crops, trees and lawns. The components of this compost are water soluble & thus can be freely used at any stage of plant growth.