



NADEP COMPOSTING METHOD



कृषि विज्ञान केन्द्र-फेक
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Compost will be ready in 3-4 months time.



ADVANTAGES OF USING COMPOST:

- ✓ Improves soil structure, water holding capacity and control soil erosion.
- ✓ Increases crop yield.
- ✓ Control soil borne diseases.
- ✓ Helps in recycling of organic waste, thereby, reducing pollution.

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NUTRIENT CONTENT (%)

	Nitrogen (N)	Phosphorus (P)	Potassium (K)
WEED BIOMASS			
<i>Eupatorium odoratum</i>	3.36	0.10	0.82
<i>Lantana camara</i>	2.41	0.08	1.37
<i>Mikania micrantha</i>	2.94	0.18	1.71
Azolla	2.38	0.51	2.75
<i>Ipomea sp</i>	2.01	0.33	0.44
CROP RESIDUES			
Rice straw	0.36	0.08	0.71
Maize Stover	0.42	1.57	1.65
Pulse Stover	0.72	0.18	0.53
Oilseed Stover	0.30	0.13	0.33
Groundnut Stover	1.6	0.23	1.37
LIVESTOCK EXCRETA			
Cow dung	0.4	0.2	0.1
Pig manure	1.19	0.39	1.01
Rabbit manure	1.82	0.47	1.07
Poultry manure	1.87	0.54	2.15
Sheep manure	1.6	0.2	0.95
COMPOST			
Ordinary compost/ Farm litter compost	0.5	0.15	0.5
Azolla compost	2.73	0.67	2.93
Vermi compost	1.68	1.06	1.57

Organic manures play a great role in supplying balanced nutrients besides retaining substantial amount of moisture. Composting is the controlled biological process of decomposition and recycling of organic material into a humus rich soil amendment known as compost. Good quality compost free from weeds, pathogens and rich in nutrients is a prerequisite for adopting organic farming practice.

METHOD OF NADEP COMPOST PREPARATION:

- I) A brick cement tank of about 3 m x 1.8 m x 1.5 m having holes all around the walls is prepared for aerobic decomposition under a shed.



- II) The floor of the tank is laid with bricks.



- III) Spread a 6 inch layer of chopped wastes i.e straw, dry leaves, green leaves etc.



- IV) Above chopped wastes, a 3 inch layers of cowdung and 3 inch layers of clay soil is added.



- V) These 3 layers constitute a unit and is continued till the tank is filled up to a height of about 5 ft.



- VI) Seal the tank with mud plaster



- VII) After 25-30 days, the content of the tank will shrink down. Remove the plaster and again fill one extra layer of cowdung soaked with chopped waste material and again seal.

