

Preparing the Soil to increase the growth of the Crop after previous harvesting (using OrgiMicrobes)

- ⇒ Useful for cotton or plants with big and long roots.
- ⇒ Deep ploughing every year or one deep ploughing once in every two years along with one normal ploughing.
- ⇒ Remove residues and roots of pre-harvesting
- ⇒ Preparation to be made considering the dampness of soil and water facility.
- ⇒ Deep ploughing not necessary if crops are of short or long roots.
- ⇒ 20 litres of cow urine with 1 litre castor oil, drop by drop while ploughing. Ensure that before sowing, 20 litres of cow urine/ other animal urine or mix of animal and cow urine to be used each time while ploughing. Its fine if none of the above is available.
- ⇒ Mix 5 kg OrgiMicrobes with 5 tons of bio compost while ploughing after the first rains (cowdung/ plant waste manure with Orgi Microbes) if bio compost is made using the above materials, then there is no need to add 5 kg OrgiMicrobes).
- ⇒ If you are using organic manure as mentioned above then reduce the use of chemical fertilizers e.g urea, D.A.P potash and pesticides upto 10 to 30%.
- ⇒ Mix the soil every 15 to 20 days with little quantity of water. If Cow urine is available it would be best if used instead of water.

For keeping the crops free from diseases and development

- ⇒ For 70 to 120 days harvesting crops.
- ⇒ After 10 to 15 days (200 litres of water + 1 litre **OrgiShaktee** to be sprinkled bottom to top. If pump is used to sprinkle, add 0.75 ml OrgiShaktee to 15 litres of water and if possible add 500 ml cow urine).
- ⇒ After 20 to 25 days (Repeat the same procedure as above on the entire crop).
- ⇒ After 40 to 45 days (Repeat the same procedure as above on the entire crop).
- ⇒ Use **OrgiShaktee** if cow urine is unavailable.
- ⇒ Using the above measures will help plant sustainability and improves immunity.
- ⇒ As per the changing climatic conditions, if the growth of the crop is seen less, then one sprinkle of **Orgi N.P.K.Y** can be done.
- ⇒ For short term crops, use 3 litres of **OrgiShaktee** per acre.
- ⇒ For long term crops use 5 litres of **OrgiShaktee** per acre.
- ⇒ Will reduce the use of chemical fertilizer by second season or second year.
- ⇒ By the third season or third year the use of chemical fertilizers will almost be stopped.



Importance of Cow urine

As pure as river Ganges

Natural pesticide and insecticide

Best for organic manure

Crop growth enhancer

Improves immunity

Snail Repellant/ Controller

Water retainer and soil protector

Repellant (keeps away insects and pests)

Makes soil lively

P.H rating ...7.4

Contains copper, gold, iron, calcium, carbolic acid, phosphorus, potash, hormones, enzymes, amino acid, cytokinin, urea, vitamins, humic acid etc.

1500 litres of cow urine and 4 tons of cow dung is given by one cow every year.

Special Note:

Using cow urine while ploughing helps reduce basic diseases and makes soil lively.

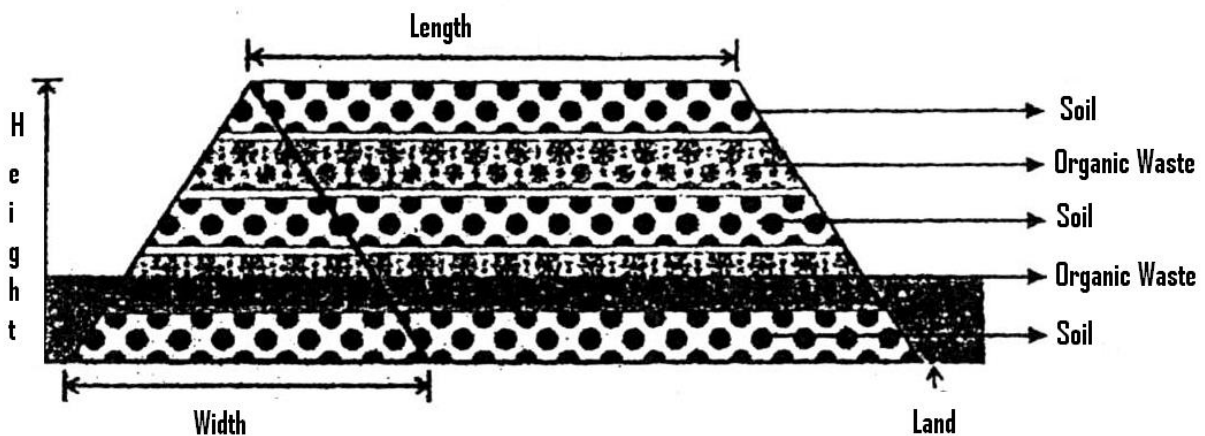
Adding castor oil increases amount of hormones and nutrient value of the soil.

The product, OrgiMicrobes, prepared by us helps revive the dead bacteria in the soil. Bacteria are useful for the development and growth of the crop and is scientifically proven. Use of chemical fertilizers destroys the useful bacteria in the soil. OrgiMicrobes helps reviving the bacteria.

Organic Manure

Method of preparing Organic Manure using OrgiMicrobes

- ⇒ Cow dung, organic waste, plant waste (Flowers, fruits, leaves, delicate branches, etc)
- ⇒ Make the pile on land/ ground (Either in shade or in the open) size of the pile should be: 1.5 ft high and 3 ft wide or 3 ft high and 6 ft wide. (length of pile as per convenience)
- ⇒ The mixture should have only cow dung and plant waste. (If possible use organic waste)
- ⇒ Mix the pile of soil well with little water after 4 to 5 days. (water should be used depending on the climate)



- ⇒ Use specific microbes(eg. OrgiMicrobes)
- ⇒ Mix the pile of manure (5-10-15 days)
- ⇒ Initially the dampness of the pile should be more than 30 to 40%
- ⇒ Dampness of ready manure should be 20%.
- ⇒ Manure should be stored under shade/ covered using jute sacks/ using leaves)



- ⇒ 4 to 10 tons of manure can be used per hectare depending on the type of soil and crop.
- ⇒ In case of large quantity manure preparation machine can be used. While mixing with the machine the pile should be mixed every two days.

The manure should be put at equidistance on farm while ploughing.

Quantity of manure for pots: 200-300 gms, for 10 ft x 10 ft
Lawn: 5 - 6 kgs at every six months duration.

Bio compost – organic manure (Based on microbes- OrgiMicrobes)

P. H	6.5 – 7.5	Calcium	20-30 ppm
Live carbon	9-18	Magnesium	70- 100 ppm
Nitrogen	1.5 – 2.5	Zinc	5-10 ppm
Phosphorous	0.4-1.5	Iron	100- 150 ppm
Potash	0.5 – 1.5	Copper	1-10 ppm

Importance of Organic manure

- Food for soil and crop To revive useful bacteria and microbes
- Nutritious elements in the form of humus Improves quality and ability of soil
- Increases quality and quantity of crop Increases the ability of soil to retain water.
- Develops Environment Can be prepared in any season/ throughout the year
- Keeps free of insects odour Develops overall quality of the crop