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Centre for smart agriculture

Production technology of cut and loose flower



Module 2: Cultural practices followed in cut and loose flower

Session 9: Different types of manuring



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Manure is the decomposed form of dead plants and animals, which is applied to the soil to increase production. It is a natural form of fertilizer and is cost-effective.





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TYPES:

A. Bulk organic manure

- ❖ Green Manure
- ❖ Farmyard Manure
- ❖ Compost Manure

B. Concentrated organic manure

- ❖ Edible Oil cakes
- ❖ Non edible Oil cakes
- ❖ Animal manure



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Bulk organic manure:

- contain little amount of nutrients and they are applied in large quantum.

1. Green manure:

To restore fertility and productivity, some crops are turned into soil while still they are green.

Eg. Sunhemp(134 kg/ha nitrogen fixation), dhaincha(133 kg/ha), cow pea(74 kg/ha).





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2. Farm yard manure:

- Composed of dung and urine of farm animals along with litter and left over material from roughages or other greens fed to the farm animals.
- 0.5%N, 0.2%P, 0.5%K





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3. Compost:

- Mass developed after rotting of organic matter is called compost.
- Farm compost contains 0.5% N, 0.5% P, 0.5% K





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Concentrated organic manure:

- It is applied in comparatively less quantity than bulky manure.
- Eg. Mustard cake, coconut cake, mahua cake, blood meal, fish meal

1. Edible Oil cake:

- Mustard cake(5.2%N, 1.8%P, 1.2%K)
- Groundnut cake(7.3%N, 1.5%P, 1.3%K)
- Coconut cake(3.0%N, 1.9%P, 1.8%K)
- Linseed cake(4.9%N, 1.4%P, 1.3%K)



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2. Non edible oil cake:

- Mahua cake(2.5%N, 0.8%P, 1.2%K)
- Karanj cake(3.9%N, 0.9%P, 1.2%K)
- Castor cake(4.3%N,1.8%P,1.3%K)
- Safflower cake(4.9%N,1.4%P,1.2%K)

3. Animal manure:

- Fish meal(4-10%N,3-9%P,0.3-1.5%K)
- Blood meal(10-12%N, 1-2%P, 1%K)
- Meat meal(10-50%N, 2.50 %0, 0.5%K)
- Horn meal(3-4%N, 20-25%P)



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Thank you.....