

SOIL FERTILITY I (Organic Manure)

1. 1995

How green manuring is carried out on a farm?

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2. 1995

(a) Give four reasons why it is advantageous to use farm yard manure instead of straight fertilizer.

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(b) State four factors that determine the quality of farm yard manure.

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3. 1998

State four ways by which plant nutrients may be lost from the soil.

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4. 1998

Outline the various benefits of F. Y. M in the farm.

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5. 1999

a) Define soil fertility

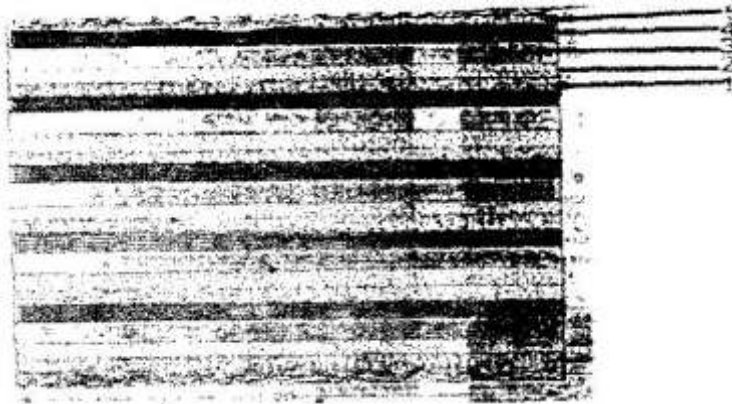
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b) List the major characteristics of a fertile soil.

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6. 1999

The diagram below is a presentation of a cross section through compost heap studies it and answer the questions which follow.



a) i) Name the parts labeled 1 –

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Give the importance of 5, 4, and 3
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b) Why is it advisable that

i) A long sharp pointed stick driven into the file at an angle.

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ii) Compost pits be preferably alone in more drier area / weather.

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7. 1999

Give four ways by which soil loses its fertility

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8. 2000

State four characteristics that make a crop suitable for green manuring.

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9. 2002

State three factors that determine the quality of compost manure.

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10. 2003

State four characteristics of a fertile soil.

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11. 2003

Name three farming practices which may lead to soil erosion.

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12. 2005

State three factors which should be considered when sitting a compost heap.

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13. 2005

State three advantages of adding organic matter to sandy soil.

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14. 2006 Q4 P1

State four advantages of adding organic manure to a sandy oil (2 marks)

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15. 2009 Q9 P1

State four ways in which burning of vegetation may lead to loss of soil fertility.

(2 marks)

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16. 2009 Q25

What is the function of each of the following ingredients in the preparation of compost manure?

(a) Wood ash (1 mark)

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(b) Top soil (1 mark)

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17. 2011 Q10 P1

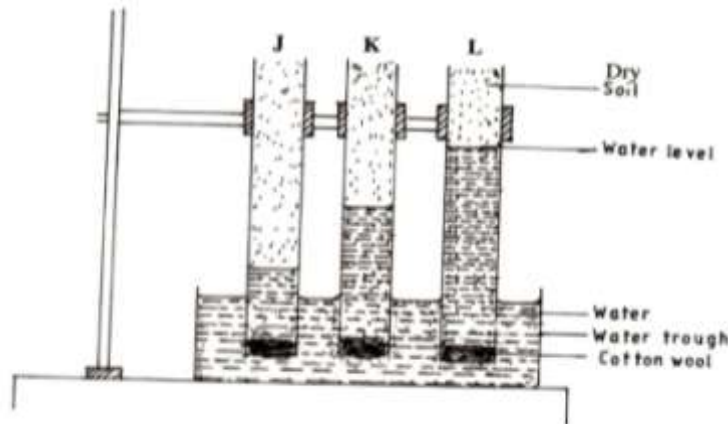
How does leaching lead to loss of fertility

($\frac{1}{2}$ mark)

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18. 2012 Q22 P1

The diagram below illustrates an investigation on a property of soil samples J, K and L.



(a) If the levels of water shown in the diagram were observed after three hours, name the property of soil being investigated. (1 mark)

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(b) What is the relationship between the soil property named in (a) above and the size of soil particles? (1 mark)

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(c) Which soil sample would be suitable for growing paddy rice? (1 mark)

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