

Learn about bacteria

UNIVERSITY PARK — Bacteria are both helpful and harmful. Cheese, sauerkraut, alcohol, and penicillin are some of the good products; however, some bacteria grow within or on animals and plants, causing diseases.

Tuberculosis and typhoid fever among humans, brucellosis in cattle, cholera in hogs, wilts, leaf spots, and blights of plants are results of bacterial activity.

Bacteria are always a threat in

foods. Canning, refrigerating, freezing, and pasteurizing are needed to reduce bacterial action which causes spoilage.

To present the many kinds of bacteriology, soil, dairy, medical, industrial and plant pathology, Penn State offers a newly revised and rewritten correspondence course on microbiology.

Soil suited to plant growth houses millions of living things too small to be seen with unaided eyes.

Every ounce of fertile soil normally contains millions of living organisms, such as bacteria.

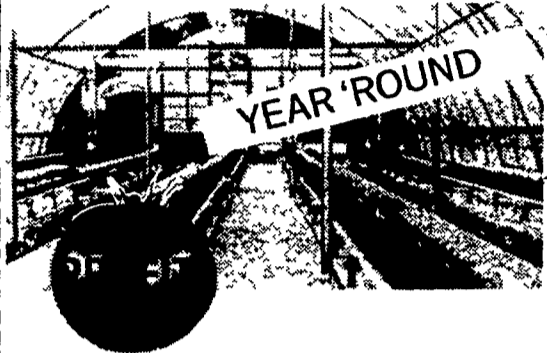
Bacteria are among the living forms active in building and maintaining soil fertility. Gardeners know that adding lime and organic matter increases bacteria population, benefitting plants by human formation and "fixing" of nitrogen. Fixing of nitrogen is the conversion from gaseous to nitrate or other solid forms usable by plants in protein production.

Anyone may get a copy of the course by sending \$6.50, plus \$1

handling, to MICROBIOLOGY, 16802. Make check payable to Penn Box 5000, University Park, PA, State.



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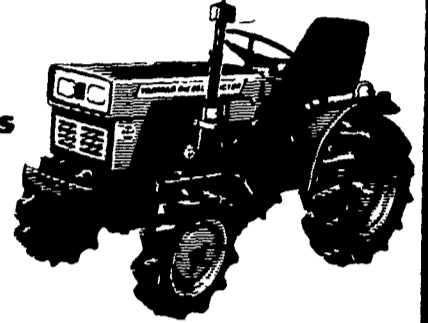
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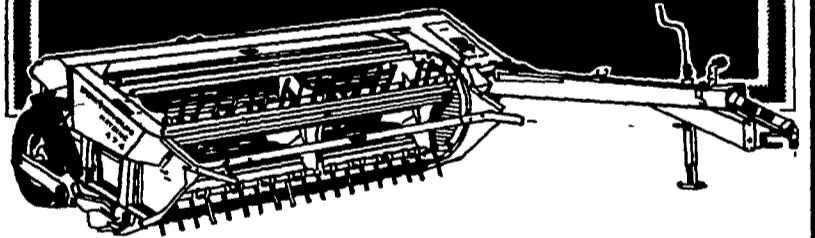


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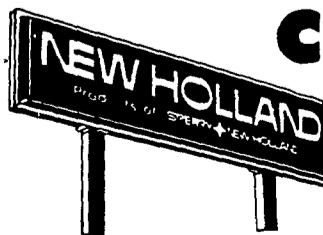
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