## Soflsiops

IITRO-CULTURES AND THE inoculation of legume Although aceciring to thio extent of




 dul wich exist in the well developed on the root system of These useful bacteria, if preseup. ada, and the Division of Bacters of Ca

 stimulated, the nitrogen eupply of the
soil is conserved or even increased and benefit is thus felt by a succeed-
ing crop.
For each kind of legume a special
variety of bacterias is required whose variety of bacterios is required whose
presence in the soin is necesary. If
particular crop has been particular crop has been growing
succeessinly in in a hhort rotation it may
be assumed that nodule bat especially in the the soil. Many soise,
deficient in these bacter districts, are,
dis. cases where $a$ lesume bacteri, ind being in moown
for the first time, or after a Iong lopse
of of years, tit wie, or be ofter a logng lapse
add bacteria, or in other
inoculate. Inoculation may be effected by tak- $\left.\right|_{\text {ited }}$ ing soil from a field where the same tural

|  | DAIRY. |
| :---: | :---: |
|  | My experience in dairying teache to give the growing heifers good care As a rule, when the young heifersthe fall are rather low in flesh on ac the fall are rather low in flesh on account of the seant pasture that always precedes the coming on of winter. |
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|  | opmentit is not only costli, buty difevelit |
|  |  |
|  | usefulness of the animal. Often stunt ing is permanent, and regardiess gether overcome |
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|  |  |
|  | young heifers separate from the rest of the herd during the winter. Young |
|  |  |
|  | stock of any kind is timid and toarfut |
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|  | SHEEP. |
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|  |  |
|  | nursing |
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|  |  |
|  | Ewes cannot be |
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|  |  |
|  | fore it arrives places a heary claimupon the health and vitaity of the |
|  |  |
|  | ewes. If the ewes lack in condition |
|  | the lambs are sure to suffer. To develop the milk flow in ewes, the feeding must be liberal. |
|  |  |
|  |  |
|  | It has been my observation in handling breeding ewes that milk produc- |
|  | tion depefeedingb |
|  |  |
|  | after. The milk producing systemmust be developed along with the |
|  |  |
|  | achieve the desired end it is important to feed pregnant ewes a nutritious and appetizing ration of roughtages |
|  |  |
|  | Sunshine Encourages Ricke |
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|  |  |
| value of plenty of sunlight in the growing of strong, vigorous, healthy |  |
|  |  |  |
|  | bodies. Tropical men, accustomed to |
|  | good teeth. Remove these men to |
|  |  |
|  | centage of sunnight is reduced bytheir changed habits of living, and |
|  |  |
|  | they rateeth. |
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|  |  |



## PROPAGATING ROSE PLANTS

POULTRY $\left\lvert\, \begin{gathered}\text { M } \\ \text { poulth } \\ \text { w } \\ \text { prim }\end{gathered}\right.$ When fed for its nutritive value
Drimariy the dry products, suyum
dried but There are, however, other prope
ties palatability, and the tonic
which li which liquaid sour mink the tonsesses.
When fed for this pourpose, skim milk or sour buttermilk as eith
comes frome Ieal. In the absence of this spoduct,
a semi.-solid butermilk
fed as as a beverage or shited ind highly med with desirabe.
The moist mash,



 | teas. |
| :--- | :--- | :--- |
| prominence because it is rich in vita |
| onth |
| nade |
| min |
| A deficiency in this |

 ually
The natural green fedich alsonot when the
Then then
dion not get the benefits of direct sunthe eren prevent this condition by
supplying early hatched chicks with
then
cod liver oil. From
 on of it added to the ration of brooder
ochicks will guard against leg weak-
The ees. Cod liver oils differ greatly in qual-
fect
no
ity, howerer, and their keeping qual-

## MURDERING TREES FOR THE BUZZ-SAW

 Sume
 Thed on the ground.
The buzr-aw is an innovation of
teces which assists magnif
ently in the cutting

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onsidered worthwhile for fue cut and
was
rage ap
spare
to the


