## * The Farm. *

## Special Manuring

The question, "What crops - will be specially benefited by a given fertilizing element $P^{\prime \prime}$ is often asked. Professor kedzie of Michigan offers in bulletio No. 16 i what he characterites as not full answer but \% a few suggestions : The leguminous crops, such as the clovers, peas, vbeans, vetches, etc., are called nitrogen producers, becatse they derive most of their nitrogen from the
air, and they receive little benefit from the nse of nitrogenous manures. Sugar beets produce a much larger crop when fed with manures rich in nitrogen, but the quality of the beet is greatly reduced, the overgrown beets containing an increased amount of nonsaccharine matter, lowering the coefficient of purity. Such manares and unfermented stable manure are avoided in raising sugar beets. Com bined nitrogen is often called a stimulant, becauge it promotes a rapid and large growth of leaf and fiber. In truck farming and raising of succulent crops for immediate sale in the market the forciug quality of nitrogen comes in good play. This is seen in the growth of juicy fruits like the strawberry. Some gardeners as $s o o n$ as the frost is out of the ground and winter mulch is removed apply 300 to - 400 pounds per acre of dried blood or hen manure, raking it into the ground and securing a larger crop thereby.
The purest example of a nitrogenons manure is nitrate of sods. It is entirely soluble in water, and hence diable to be washed out of the soil in a wet spell unless - growing crop appropriates it and saves from loss. In a very dry season it sometimes " burns the crop." Its best effect is eeen when it is applied to a crop which bas little power to obtain a supply of nitrogen, yet needs to make rapid growth in $e$ short time to produce a paying crop. A good illustration is winter wheat, which makes such a wonderful growth in the latter part of May and in June in leaf and stalk formation. If a light dressing ( 100 pounds per acre) was sown on the wheatield the fore part of May, better heading out and more wheat might be the result.,
No planit can grow in the absence of
phosphates, and these must be found in phosphates, and these must be found in crop, but are specially beneficial for certain crops-the clovers and other crops of this class, turnips and all root crops and grain crops of every kind. One special influence of phosphates-viz, the early ripening of crops-makes this fertilizing element of special value to market gardeners who raise melons, squashes, grapes, etc., that are liable to injury by frost in the fall. A difference of two weeks in ripening may make the difference between profit and loss.
Potash is in universal demand in plaft life. It is in demand with potatoes and other, roots, the grasses and clover. Fruit trees require a large amount of potash. The ash of grapevine contains 29 per of potash. feeders."

## Care of Cows.

The dairyman who treats his cows with the mogt consideration is the dairyman who minkes the most money. When well fed and not disturbed about her calf, the average cow will lie and chew the end of contentment for hours, and while thus undisturbed will secrete all the milk poselble from the food she has eaten. Yet the domestic cow, if she be a good milker, has a capacity for becoming nervous and excitable such as the ox or spayed cow cannot rival. At all times the first class milk, cow must be a hearty feeder. So long aos she is given all she wants she may be quiet enough, but if placed in a pasture where the food is insufficient or too poor in quality the quiet cow will soon develop roving instincts and will break through fences in order to get at what ahe likes.
A. H. Hartwig, is veterinary surgeon of Watertown, Wis., has just removed
the injured leg of a valuable cow belonging to a farmer of Ixionia and has fitted the stump with a serviceable wooden leg. The farmer did not want to lose his.cow by shooting, the usual American manner of curing such injuries, sf the surgeon was called. The medical gain decided he could remove the leg, and when it was sufficiently healed the conld adjust an artificial limb, which would answer all practical purposes.
Much of the abuse of cows is due to hired help on the farm, George E. Newell, writing in the Boston Cultivator, says that the average hired man does not study into the whiys and wherefores of thinge He simply performs the labor mapped out for him to do either in a good, bad or indifferent manner. It is to hm so much manual or mechanical labor, nothing more. The dairyman tells his man to go and get the cows and milk them, but he fails to tell him what to do and what not to do iv carrying out this procedure.
To expedite matters the hired man may as'a beginning take along a shepherd dog to the pasture and bring the cows in on the run. In milking he follows out his own way rather than any plan directed by his employer.
He brushes or does not brush the cow's adders, according as he sees fit, dipa his fingers in the milking pail to moisten their teats at his own pleasure, strips them hastily or treats the animals roughly, as inclination moves him. His instructions go no further than to say, "Milk the cows," with no orders as to how to milk cows,"
them.
Sabo
Sabordinates engaged in dairy work hould be as well trained in what they are to do and how they are to do it as are soldeers. The minide that directs the dairy and sees that his directions are minutely followed is the one that will make the dairy pay.

## Insect Peats.

Insects of various kinds lay eggs upon he stems and canes of currants, raspberries and other 'plants, the larvze of which bore the canes and cause the shoots to wilt and die. There is no wholesale meth od of destroying these pests. The only remedy is to cut the stem off a few inche below where it is bored and burn it. This necessitates going through the patch oc casionally, wat jhing closely for wilted canes. In many sections these pests do considerable damage, and by watching their appearance and destroying them as fast as found a great deal of trouble may be saved in future. Never allow any ind of an injurious insect to become atablished on your place, if you can help . Mirror and Farmer.

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## Are You Raising Horses <br>  <br> LEEMMI, MILES \& CO., Agents, Martreal. DICK \& COi, Proprietors.

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