By Agronomist.

This Department is for the use of our farm readers who want the advice of an expert on any question regarding soil, seed, crops, etc. If your question is of sufficient general interest, it will be answered through this column. If stamped and addressed envelope is enclosed with your letter, a complete answer will be mailed to you. Address Agronomist, care of Wilson Publishing the grain trough well supplied dur-Co., Ltd., 73 Adelaide St. W. Toronto.

should be cut when approximately

three-fourths of the seed pods have

turned dark brown to black. At this

time some flowers and many immature

pods will be found on the plants, but

the field will have a brownish color.

Where a grain header is employed, the

plants may become somewhat mor

mature before cutting. More seed is

shattered when the plants are cut at

this stage than when cut earlier; but

this is not necessarily a loss, as the

Much seed may be lost if harvesting

ninety per cent. of the seed had shat-

clover huller. The yield of sweet

A Threshing "Ring."

Any community co-operative enter

prise that has been active for seven

ous is admittedly beyond the experi-

mental stage. Judged by this rule

a neighboring threshing ring organ-

ized in 1911 by ten Illinois farmers

can safely be considered a "going con-

Hopelessly tired of waiting their

turn after delays some years lengthen-

ing into weeks; this group of men met

organized, elected officers, paid \$80

\$300 storage building for their thresh-

ing outfit, and were ready to put their

Included in their get-ready move-

Here is the outcome briefly told

of their equipment, which, with good

How is such a successful trick turn-

ed? Each member has his oats

threshed for 11/2 cents a bushel (and

other grain in proportion) instead of

the growing and varying high prices

usually charged. The money paid by

members goes into the fund of the

company. Each member also furnish-

es fuel for his threshing job, and, as

the name indicates, the threshing

crew is made up of the members or

their farm helpers. The variations in

the size of threshing jobs are ad-

justed by the number of helpers

furnished, reckoning at a daily wage

determined at the beginning of each

When the threshing season is com-

pleted, the secretary has a record

showing the number of bushels of

each kind of grain threshed for each

ring member, and the number of

hands each furnished at the different

jobs. The adjustments of debits and

In addition, the ring every year,

after completing the threshing for its

own members, allows its outfit to work

for conveniently located non-members,

but the company invariably furnishes

a crew sufficient to operate the en-

gine and separator as a protection

Could these ring members be in-

watchful waiting for the itinerant

against misuse of their machinery.

credits is then a simple matter.

care, is depreciating but slowly.

their initial getting together.

engine and a 36-60 separator.

Raising Green Ducks for Market. | rake reaper or a grain-binder, they

The profit in duck culture comes from selling the young ducks as soon as they begin to get their mature coat of feathers. By that time they are about eight to ten weeks old, and are termed "green ducks." After that they grow less in weight and condition. The green duck in the hands of a competent chef will, in taste, closely resemble the flavor of the famous and now almost extinct, canvasback duck.

Green ducks bring the best prices grain header is used for the most part in June, and from then on the price in semi-arid sections where shattered gradually falls. From September to seed is depended upon to reseed the November ducklings again commend land. good returns. The saleable market duck must be fat, plump and round, is delayed for only a few days. Many and the skin must be of a uniform fields have been observed in which color.

of the bird by the food it eats. The time the plants should have been cut. wild herbs, plants and fish which Cutting the plants when they ducks eat give the rank taste to the damp from rain or dew will reduce meat and eggs. Feeding largely upon loss by shattering. wild celery is what gives that delicious When it is possible to thresh in taste to the canvasback duck. It is week or ten days after cutting, the said the Congo chickens owe their crop should be threshed directly from superiority of flavor to the pineapples the field. Ordinarily, little seed will they eat. The flesh of the grouse of be lost during this time, and the work the far West is aromatic with the wild of stacking will be avoided. The seed sage. There is a fishy flavor to the may be threshed either by flailing or meat of wild ducks and other sea- by the use of a grain separator or a

For good flavor green ducks are clover seed varies from two to ten fed a grain ration of equal parts of bushels of recleaned seed to the acre. bran and cornmeal, with a proper Sweet clover straw may be utilized amount of beef scrap. Bran must not for soil improvement, or as a roughbe left out of the feed, for its absence age for stock. will cause a loss of appetite. As the market demands a white skin, green food (or a very little of it) should not

be fed to ducks grown for market. Two weeks will be sufficient time for fattening ducklings, beginning years and is still popular and prosperwhen they are seven weeks old.

first they must be fed lightly. amount should not be increased for about five days; after that they can be given a little more each time, as long as they eat it greedily. An excellent fattening food is made of four parts cornmeal; two parts low-grade flour, one part bran and two parts beef scrap, all these parts by weight. Add to this a little sand, shell or grit each into their treasury, erected a to aid digestion.

The killing is done with a knife. The bill is held open and a cross cut is made in the back of the throat on the inside, so that no wound shows on the outside. This severs the large arteries and pierces the brain, causing relaxation of the skin and muscles. Immediately afterward the fowl is struck on the head with a club. The blood is caught in a galvanized pail

and picking begins. alongside a box which is about as high of the year furnished them a dividend The picker sits on a chair drawn up as his knees. The feathers as plucked are thrown into the box. The duck Last year's dividend was \$55 a memis held placed across the lap. The ber after painting their storage buildhead is held between the knee and ing and making all necessary repairs. the box to prevent fluttering, and that This year, as this is being written, the blood that escapes may not get on the, ring's yearly accounts have not the feathers. While the picker is re- been reckoned, but the members are moving the feathers, he frequently agreed that they can count on at least dips his fingers into a dish of water a \$50 annual dividend during the life which is always within reach. This; causes the feathers to cling to the fingers, enabling the operator to remove them more rapidly and with

much less exertion. The pin feathers are removed by catching them between the blade of a knife and the thumb. This operation is more rapid when the pin feathers are wet. The head, neck and wings are not plucked. A string is tied around the body of the bird to hold at the wings firmly in place.

Immediately after the carcasses are dressed they are plunged into ice cold water which removes the animal heat, shrinks the flesh, and makes the fowls more plump. They are kept in this water until shipped to market.

The Pekins are the commercial ducks of Canada, as the Aylesburys are of England: They are rapid growers and, mature early. This breed is probably the only one that ever produced ducklings weighing five pounds when seven weeks old. Of late years the Indian Runner has come into the market as a "broiler duck," and while it is no competitor, it supplies a demand for a small, delicious carcass that is profitable. It is to the broiler class what the Pekin is to the roasting.

## Harvesting Sweet Clover Seed.

White sweet clover and biennial vellow sweet clover may be harvested duced to go back to the old regime of for seed the year following seeding. The time of cutting the seed crop threshing outfit and consequent wastshould be governed largely by the ma- age of grain and time? The ring-rechinery which is to be used. If the frain, when this question is put, is: plants are to be harvested by a self- "Nothin' doin'."

Remove Rhubarb Seed-Stalks.

auses of failure with rhubarb in the

ome garden is seed-stalk develop-

par, until it hardly pays to care for

o plants.

Seed-stalks which develop upon

dle of July. After this date the plants should be allowed to develop normalthubarb plants ought to be removed ly to make and store plant food in the pefore the blossoms set seed. Seed roots. From this plant food the evelopment draws heavily upon the shoots and stems are produced early lant. One of the most prevalent the following spring. If harvesting plants will be greatly weakened and tent. This causes the leaf stems to a lower yield will be secured during secome smaller and smaller year after the next few years.

Expert knowledge mixed with comhubarb should be harvested mon sense mak's a farming formula parden after about the mid- hard to beat

Live Stock Items.

The poorest animal requires the hardest selling. A. good animal sells itself to a good buyer.

You can not put big bones on a pig that was not born to have them. If you want big-boned hogs, breed for

Never pour cold water on hot hogs. Do not load hogs too closely in hot weather. Bed the cars with sand and wet it thoroughly.

Lambs for August market must find a pound a day in weight.

Have a cow freshen about lambing time so that there will be milk for the lambs, if the ewes are short. Remember that cows carry their calves 285

Thunderstorms do not cause sour milk. However, the warm temperature and high humidity which accompany thunderstorms are favorable to the growth of bacteria, which cause milk to sour.

Sweating is an indication of the horse's need of water. Twice a day may be often enough to water in cool weather when horses are idle, but many horsemen consider four times not too often in August. Early lambs are profitable when

there are good markets. The breed: ing season for early lambs begins in July, and the lambs are dropped from Flavor is imparted to the carcass tered in less than two weeks after the December to February. Warm buildings are necessary at lambing time; build before winter.

hogs failing to thrive, and often cause age at night, coming out of the to an ounce of vaseline, or a 3 per complexions. It is quite possible that hogs to die. During July and August small pigs often blister on the backs and about the ears, sometimes causing bad sores.

All oads lead to ailway crossings Use precautions.

The earth just travels silently . And never gets to laugh or sing. So far from all the other stars must be lonely poor old thing !

To Get Rid of Cutworms.

after sunrise I took the sacks off and water that has been boiled. found all the cutworms on top of the Marasmic, scrofulous or anemic well enough only that he is terribly at the approach of day.

A productive orchard, a good garden, laying hens, and cows which pay their board will help make any farm a desirable farm:

## Care of the Garden in Hot, Dry Weather

weather, if accompanied by frequent drought more effectively. rain, is favorable for the growth of To have a continuous supply of is naturally fretful, cries and perhaps life is being mailed you. weeds, and if not accompanied by rain vegetables through the summer and the result is drought. Either condi- early fall it is necessary to make suction demands that the garden be fre- cessive plantings. This is especially quently cultivated. To save the plant true of sweet corn and string beans. the ground.

ring to ringing all within a week after ment was the borrowing at six per cent. of \$2,200 at a local bank, which, with \$500 remaining in their treasury, was used to purchase a 20-horsepower Five years later their loan was fully paid, and in addition the conclusion of \$28 for each member of the ring.

ered it should be given a thorough the garden the next year. application, enough to soak the soil to . During the summer season insects were at my command. I was my own fairly effective.

celery plants.

To protect cauliflower heads from mixture. the hot sun, the outside leaves of the In a nutshell, here are the things to plants should be drawn together and do in a garden in hot, dry weather:

soil becomes dry enough to work it, the last half of July are especially a slave, was found fault with, kicked quently, there is not much difficulty should be thoroughly cultivated and likely to yield good crops, because the from pillar to post, loaded down like in keeping disease away. a fine mulch formed on the surface of plants will have the benefit of autumn a packhorse by men who had no use Lice and mites/if allowed to live in the ground. Cultivation should be rains when the pods are developing. for me save as they could gather up the coops and on the chicks soon mulrepeated at least once in ten days, If there is an abundance of rain- a few chestnuts raked from the fire tiply to the extent that they make even if no rain occurs in the mean- fall during the summer, it is possible by my poor burnt fingers. time. It is surprising how much to grow good crops of late vegetables Sore of heart I crept back to my make satisfactory growth and health drought some crops can endure if the on ground which has had an early farm. Joy came to me like a dove impossible. Feeding lousy chicks is moisture from each rain is saved by crop harvested from it. Whenever pos- flying home to its nest. The flowers the same as feeding lice and is not sible this should be done, since the nodded me a glad welcome. Birds profitable. To kill the large body lice, In spite of cultivation some crops land is sure of being kept free from sang my tired spirit to sleep. Now any of the lice powders in general use may suffer on account of drought, weeds if it is growing a crop of vege- there was time to think, to plan, to can be used, and to destroy the little especially if the drought lasts for a tables. No weeds should be allowed live and to love. The perfume of tree mites which live in the coops and onlong time. Then it is fortunate if the to go to seed in the garden, because and field was medicine to my soul. the roosts, in the day-time and which garden is within reach of a water- the weed seeds produced one year re- The creatures at the barn, the horses, annoy the chicks at night, liquid lice-

considerable depth. Light sprinkl- are likely to be in abundance in the master. My neighbors loved me and ings are of little value, since they do garden, and they should be controlled. I loved them. I leaned my car down not reach the roots. Enough water The insects which eat the foliage of to the breast of old Mother Nature should be put on at a time to last at plants, such as potato-beetles and and she whispered her choicest secrets least a week. Follow each application blister-beetles may be killed by spray- to me. I worked, I grew tired, and I of water with a thorough cultivation ing with arsenate of lead. Flea-beet- rested. I was at peace with myself, as soon as the ground is dry enough les which riddle the foliage of egg- my fellows and my God. I know the | plants, potatoes and tomatoes, can be farm cure for tired souls .-- F. V. Besides cultivation and watering, controlled by spraying with combined certain crops will need protection Bordeaux-arsenate-of-lead mixture. against the hot sun. Head lettuce, Plant-lice, which suck the juice from if it has not completed its growth the leaves of melons and various when the hot weather arrives, should other plants, and cause leaves to curl, be given artificial shade by tacking may be killed by spraying with nicoburlap or muslin over a frame to tine sulphate or kerosene emulsion. shade the plants. The same frames Fungous diseases which attack the can be used to shade late cabbage or foliage of vegetables, may be controlled by spraying with Bordeaux

food, moisture and sunlight, which A piece of ground should be saved clatter of its wheels distracted me. would be taken by the weeds, get rid for the late plantings and should be I dreamed of noise and hurry and of the weeds before they appear above worked over with a harrow or culti- worry. There was no time for calm, germs flourish and multiply rapidly vator after every rain for a few weeks quiet, clear thinking. I was one of and for this reason frequent disinfect The bad effects of drought can be before planting, in order to save the cogs of the machinery, nothing ing of brood and rousting coops in largely taken care of by consistent enough moisture to sprout the seeds, more. cultivation. Breaking up the surfaces if planting takes place at a dry time. The lure of the great office caught disinfecting materials, the most conlayer of soil, with a cultivator, hoe or When planting sweet corn in dry wea- me. I was like a caged tiger. No venient of which are the liquid disin-

tied at the tops as soon as the heads Cultivate the garden early. Water the garden if necessary and possible, but Tomatoes may become scalded be- do not try to substitute watering for fore they ripon unless they are pro- cultivation. Protect plants from the tected from the sun. Fruits lying intense heat of the sun. Make sucdirectly on the ground are especially cessive plantings of sweet corn and likely to be sun-scalded. Tomatoes string beans. Do not allow weeds to that have been staked and tied have go to seed in the garden. Fight ina decided advantage over those that sects and fungous diseases.



THE WESTERN CROP. Cultivating corn a few miles scuth of Saskatoon.

Dr. Huber will answer all signed letters pertaining to Health. If your question is of general interest it will be answered through these columns; if not, it will be answered personally if stamped, addressed envelope is enclosed. Dr. Huber will not prescribe for individual cases or make diagnosis. Address Dr. John B. Huber, M.D., care of Wilson Publishing Co., 73 Adelaide St. West. Toronto

Mouth Inflammations.

tion of the mouth:

months, small yellowish white blisters may form-herpetic or apthous sto- have to be fed by means of the stommatitis. This is due in most cases to ach tube. Last spring the cutworms cut down uncleanliness, bad hygiene or impromost of my early cabbage. One cool per feeding. The remedy lies in corevening when I thought there was recting these untoward conditions, and danger of frost coming, I took some in proper regulation of the bowels; very easy and it hangs on to him so gunny sacks and closely covered part and mouth washes containing boric; that it worries me terribly. I have of the ground. The next morning acid, a teaspoonful to the pint of wanted him to go to a doctor and

soil, where they were easily picked children may suffer perleche, fissure tired out. He has a sallow complexion. up and destroyed. I then tried the or cracking or ulceration of the mu- Is working nights. Now he seems to same plan on the rest of my garden, cous membrane at the corners of the take bad coughs worse than ever. covering up all cut off or injured mouth. This is very painful on open- Answer-Your husband should be plants so as to exclude the light. The ing the mouth wide, as in yawning. thoroughly examined. Nothing is next morning on removing the cover- The doctor may apply a 5 per cent. sadder than the neglect of what might ings the cutworms were easy victims, solution of silver nitrate, after which be remedied until the time for a cure there being from one to three on top a simple powder (zinc oxide or bis- has passed. Night workers always of the soil under nearly every cov- muth) is dusted over the sores. Or make their occupations manifest to light and heat are frequent causes of ering. The cutworms do their dam- a salve may be used (Bismuth, gr. 10, the physician by reason of their pale ground during the night and returning cent. resoroin ointment or benzoin- your husband has tuberculosis. Indeed ated zinc ointment or Lassar paste, I fear so from your letter. Further all to be had of the druggist). There may be catarrhal stomatitis, mailed you.

of a portion of the entire surface of the mouth, during the eruption of overcome an anemic condition? the first teeth or by reason of un- There are so many medicines that cleanliness, irritating, excessive, are said to be beneficial but I do not hot and unsuitable food, stomach and approve of any drugs unless they bowel ailments or fevers. The mouth are recommended to me by a medical is at first red, dry and hot; later authority. there is increased flow of saliva, coated tongue, constipation, slight fever Drugs should be used only on the When the balmy days of spring give are not supported. An additional ad- and thirst. The mouth is like to be doctor's prescription. The leading place to the burning heat of summer, vantage of staking is that the plants open and there may be swellings of of the healthful life, good food, at the gardener's enthusiasm is like to can be cultivated throughout the sea- the glands under the jaw. This trouble tention to the bowels, the kidney drop from blood heat to zero. Hot son, and thus be protected against may last a week during which time and the skin are the essentials to thi suckling is most painful. The child cure. Information on the hygienic

vomits a good deal. The nipple and There are several vacieties of the child's mouth must be frequently stomatitins, as doctors call infla uma- cleansed, 1-10 grain doses of calomel given daily, the boracic acid mouth In babies, generally of 6 to 18 wash used and the causes mentioned removed. In bad cases the child may

Questions and Answers.

Question-My husband takes cold . get examined but he says he feels

information on this subject is being

Question-What should I. do to

Answer-You are quite right

The Farm Cure for Tired Souls.

I tried the life of the mill. The

rake checks the evaporation of mois- ther, be careful to place the seed in one cared for me. . . My work was fectants sold for poultry purposes. ture by forming a fine mulch on top, moist soil below the surface mulch. never done. The air of the room These are mixed with water according. of the soil, and thus holds the water. Successive plantings of string beans stifled me. I could not sleep and to the directions on the containers and in the soil below. Each rain should be may also be made if similar precau- grew old and gray before my time. applied to coops and utensils with a regarded as if it were the last one tions are taken to save moisture for In! an evil day I listened to the spray or brush. They kill all germs for a long time, and as soon as the the seedbed. Plantings made during seductive call of public office. I was which they touch, and if applied fre-

loved me. All the forces of nature work thoroughly.

Control of Current Worms.

The imported current and gooseberry worm, or "saw-fly," is common in some localities, and is very destructive to the leaves of these bushes. There are two broods a year, the first appearing quite early in the summer. If there is no fruit on the bushes, they may be sprayed with arsenate of lead, one pound of the powdered form or two pounds of the paste form to each fifty gallons of water.

When fruit is on the bushes, use white hellebore, which will kill the worms but will not harm people who eat the fruit. Apply the hellebore either by dusting lightly through a hook and a stout scythe are cheesecloth sack, or by putting one ounce in three gallons of water and out with the tractor. The applying by means of a spray pump or a whisk broom. promptly when the injuries are first after having. The sap noticed. Unless the worms are held in the branches and trun in check they will defoliate the bushes cutting will be practically and ruin the fruit, and perhaps kill the matter. The brush the bushes as well.

Swat the Fly.

The amount of harm done to stock fact that the farmer is gover because of annoyance by flies is not a settled matter. However, it is an happiness. established fact that flies are a source of annoyance to animals in pasture and in the barn. Flies keep cows from pasturing, and annoy the cows, as well as the milkers; at milking-time.

There are several good fly repellants on the market, and they are effective in protecting animals from flies. It is possible to make up such repellants at home, but the home-made articles are not likely to be so effective as the manufactured ones, although they may be a trifle cheaper.

In hot weather all kinds of disease

supply. Whenever the garden is wat- sult in a lot of unnecessary labor in the cows, the sheep, even the dog, killers can be provided which do the

Clean Out the Fence Rows.

On a recent little trip round m part of the country I could not hell noticing that on many farms the line between adjoining fields, is bad grown up to brush:

Stop and think for a moment w the brush and trees which grow ald such lines do. In the first place, take a great deal of fertility out the soil. The roots extend far ne each way. This root system dem nourishment. No man who has no a row can fail to notice that the grown alongside are poor and well developed. The goodness gone out of the soil into the growth. And then, in every suc there is a strip of land each the line that can not be tilled It is practically waste land.

To clear these rows out is a hard job.: The main thing, at it and do it. A sharp axe needed. Large saplings can to make fairly sure that cut off will not grow up aga piled along the row and will help to destroy the tast

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