

sease of notatoes and in crop. pray should be given ditions. is being grown for The use of cover crops in connection possible.

uspend it over night in the leguminous: buckwheat, rape. barrel of water just below the surface. rapid method is to crush the Market Situation. quantity of hot water 'and Although extreme top prices for catmake up to 40 gallons. Each gallon the were rather lower at the principal bluestone. Metal vessels of May than in the corresponding be used in handling this month last year, as shown by the Do-

minion Live Stock Branch reports, (2.) Lime stock solution: Slake 40 there was an encouraging improvepounds of fresh quick lime in a barrel ment over the condition of affairs in By adding water. Mix thor- the preceding month. An extract from mobile and continue to add water until the report reads: "Despite the comparatively heavy weight of receipts,

In order to keep out dirt and pre- the quality of the butcher and export vent evaporation, the barrels contain- stock was of such a good character, for the stock solutions should be kept and the demand for good stock so keen To make up a tank of spray that the range of prices was increased ready for use, transfer four gallons by 50c to \$1.25 per hundredweight. In of the stock solution of bluestone into the West there was a weaker tone at the spray tank and add 32 gallons of the close, whilst heavy cattle were inwater. To this dilute solution add 4 clined to drag, but in the last, good gallons of the lime stock solution. This quality stock held reasonably steady. should be poured through a fine mesh There was a continued strong demand strainer to remove all solid particles, for good quality stock suitable for otherwise clogging of the nozzles will finishing for the British market and The solution in the tank the domestic beef trade, in view of the should be kept thoroughly agitated steady increase in the movement to while the lime is being added. The tank seaboard. Short keep feeders appear-

If the above directions are carefully and generally \$7 per hundred." composition of lime often varies it is over the same period in 1922. The trunks were decayed, gnarled and of a continuous meal for the larvae. referable to test the mixture in order supply was considered heavy for May, an unhealthy color, while the northern the foliage may not be injured with the export bacon market showing and eastern sides were comparatively

dle of July and repeat every two weeks April. will be thoroughly protected. The 7,750,400 during the same period last their "roots" into the tree to rob it of that there is a difference of at least each year: Carpenter's glue—dry chip spray should be applied under a pres- year. Bacon and pork exports were sure of 125 to 200 pounds. At least also larger. four applications are necessary during the season, but five or even six will usually be found preferable. Particular attention should be given to neglected or are carelessly applied a same period last year, sales of live more damage than if no spraying had cipal markets as follows: cattle, 307,been done. In the later sprays the 228, against 256,671; calves, 115,220, proportion of copper sulphate should against 126,493; hogs, 502,429, against be increased, using the formula 6-4-40. That is, add six gallons of the stock solution of bluestone instead of four, and 30 gallons of water instead of 32. year compared with last year of 50,-

Movements of Live Stock.

This year to date, compared with the

392,474; sheep, 87,725, against 100,-

209. It will be noticed that there has

been an increased sale of cattle this

ticular having gone down. Billed

through, this year compared with last

against 51,085; 353 calves against

17.645 sheep against 21,213; an in-

crease of 17,068 cattle and 51,747 hogs

and a decrease of 2 calves and 3,568

The fire loss in the United States

Bordeaux mixture will also control early blight and tipburn, and will act crease sale of 11,273 calves and 12,484 as a repellant for the potato flea is reflected in the prices, hogs in parbeetle .- J. B. MacCurry, Plant Pathologist. year, there have been 68,153 cattle

USEFULNESS OF COVER CROPS. Cover crops in an orchard are an 355; 78,633 hogs against 26,886, and essential part of good orchard practice. As the maintenance of humus or organic matter in the soil is necessary to retain proper physical condition, sheep. and as manure is becoming more difficult to obtain, and can be used probably to better advantage on other parts of the farm, cover crops fill a very use- last year due to matches and smoking ful purpose in this direction alone. amounced to \$25,992,000, against \$16,-Crops that will make a good growth | 435,000 in 1918. The insurance men serve to increase the humus in the soil, are inclined to believe that the big inbut by selecting a leguminous crop crease in women smokers may have such as clover, vetch or pea, not only caused this terrific increase in the fire may humus be added, but also it may loss.

The Growing of O.P.V. Silage. If mixed farming is to be followed

in Northern Ontario, and the keeping through the winter. Up to the present necessity of water. content of the soil, thus obtaining a P. V. is one of the best feeds for this tion of two parts each (by measure) tremendous losses. In the colder part of the country, a much less cost of production. The than when more corn is used. A sole thew). starch is manufactured, is necessary to ensure a chance of flowers, as it can be sown at a much heating and too fattening. It is an the starch is manufactured, proper wintering, it is considered nec- later date, requires no intertilling, is ideal winter grain, but must be used V. 9a. As Jesus passed . . . from d. Should these fac- essary to utilize a cover crop in con- a much more satisfactory crop to with caution during the summer. hence. Jesus had been in Capernaum, tories be impaired in any way the junction with the clean cultivation handle under field conditions, can be Mashes should be made of two parts where he had healed the paralytic and the consequent failure of the tub- the following spring. The cover crop er as fast as it can be taken care of. the mashes dry instead of moist is scribes lost no opportunity of accusing and the constant their normal size, and by will thus draw upon the soil for mois- When it is cut at the proper stage for preferable, especially during the sum- Jesus wherever they thought they saw an attack of the disease. These losses should be ripening its wood, and will culent feed and is readily eaten by fowls can eat at will, and there is no Matthew. Seeing men was with Jesus spraying with Bordeaux mixture. Ap- roots of the trees from severe con- well formed, is the proper time to cut over. Besides, I do not think fowls unerring moral judgment. Sitting in

(bluestone) and being grown at proper distances. Such cause injury. O. P. V. generally grows seems to do them the most good. for fall plowing to be done, and O. P. way they get more of it. V. has the advantage over both corn and sunflowers in this respect.

O. P. V. will grow to maturity in from 90 to 100 days under good grow- them by the hens. ation will then contain one markets in Canada during the month ing conditions. As sunflowers and corn take a much longer period to fully ma-ture, the harvesting and silo work is kept in a sweet, dry atmosphere, that James, John, Andrew and Simon ture, the harvesting and silo work is they may not become contaminated by Peter. It was stranger still that he extended into really cold and unpleas- bad odors-which eggs quickly absorb. should call one who, as a taxgatherer, is as essential as it is in this region bag standing overnight a foot away thought of as belonging to the same ing is done, and it also means earlier seeding, which is equally essential where such a short growing season obtains for the cereals which follow a visable unless there is good ventilation, called. He arose, and followed. Luke hoed crop. This crop can be highly for it is important that the air be pure says, "He forsook all, and rose up and recommended for the settlers of the and free from bad odors. clay belt. Where they have no silo it can be cured as hay, makes good feed through the winter in good shape. | daylight helps make the harvest.

The water supply should be fresh and clean, and the vessels kept in the Matthew the Publican, Matthew 9: 9-13; Luke 5: 27-32. of live stock to build up the fertility coolest possible place. The white of of the soil a cheap and succulent feed the egg contains 80 per cent. water, must be available to bring them and the yolk 52 per cent., hence the

Summer feeding must not be so study the life and character of Mat- new friends of Matthew there. See

well formed, is the proper time to cut over. Besides, I do not think lowis the place of toll (Rev. Ver.). The Ro-and ensile, right from the binder if will so quickly overfatten on a dry man government did not collect taxes mash as they will on a wet one.

visits are made every two hours to the was probably at work here. nests so the eggs may be gathered be- II. MATTHEW, THE CHOSEN DISCIPLE, which tended to dwarf the higher atfore much heat has been imparted to

ant weather; and where fall plowing I once had a dozen eggs in a paper belonged to a class that the people is much easier to work when fall plow- also in a paper bag. The next day He never dealt with men by their by their fellow-countrymen.

## BLIGHT. Content of the soil, thus obtaining a r. v. is one of the best feeds for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover been obtained from sunflowers, and at the feeling for this count for some of the things that haptwo-fold advantage from the cover purpose, although greater tonnage has of notatoes and in the feeling for the f auses tremendous losses. In the country, a much less cost of production. The diet of corn is injurious, for corn i been in the past. He makes a clean

The Sunday School Lesson

Golden Text-I came not to call the righteous, but

sinners.-Luke 5: 32.

necessarily be reduced. In system. For this purpose the crop is cut by the binder and the blower will by weight wheat bran and one part borne of four friends. In the course enemies and they lose no appearance of the paralytic under constant observation by his widespread prairies well adapted, so the case of late blight, loss results sown about June 30th, allowed to grow handle the full size sheaf from the each of wheat middlings, cornmeal, of accusing him when he makes what the case of the leaves and the consequent failure of the leaves and the consequent failure of the tubthe rotting of the tubers which follows ture and food at a time when the tree silage purposes it makes a very suc- mer. There are two reasons: the an opportunity. Saw a man, named Jesus. They that be whole. A physical street in the silage purposes it makes a very suc- mer. greatly reduced, if not entirely also serve as a means for holding stock of all kinds. When the oats danger of the mash souring, which more than a physical and mental acby careful and thorough snow, thus assisting in protecting the are at the dough stage, and the peas would be the case with moist mash left tion. It was a spiritual estimate, an whore ready souls. He must go Canada must have a spring-sown directly. Wealthy capitalists underwith bush fruit plantations has not It has been found that when shrink- Green food is an important item in took to raise the revenue from the difonducted over been developed to any appreciable ex- age takes place there is over-fermen- the bill of fare. Where fowls are constrated that tent, but with the growing scarcity of tation in the silo, with resultant musty fined to runs, green food, such as lawn ever they raised over and above the of mercy that should prompt all relito use is manure there seems to be no reason silage. At the Station it is usual to clippings, vegetable tops, weeds, cabxture, of the why a combination of fertilizers and keep a light stream of water in the bages or sprouted oats, should be fed. privilege was their own It is usual to emphasis, vegetable tops, weeds, tab mixture, of the why a combination of fertilizers and keep a light stream of water in the bages or sprouted oats, should be led. privilege, was their own. It is easy a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how this system put a substant of the bages or sprouted oats, should be led. privilege, was their own. It is easy to understand how the bages of the bage good practice on areas where rasp- ways been obtained, but care must be day do fowls seem to enjoy green food premium on dishonesty and extortion. When he became a publican, Matthew

berries, currants, and gooseberries are exercised as too much water will so well as in the morning, and it then The men employed by these capitalists threw in his lot with men who were must mill well and bake well; and it them as required. These a combination offers many advantages, very rank under favorable conditions, Wilk is an excellent summer food. Were called Publicans. All over the ences of life. He took up a calling There have always been varieties of where cost of regularly applying ma- and smothers weeds of any kind; and No matter in what form-buttermilk, empire there was a bitter cry against which had few, if any, refining possi- wheat that have one or two of those early fall plowing can be carried on skimmilk or sour milk—it is always greed and unscrupulousness of these bilities and which made worthy living five essential qualities, but until setone stock solution: This have stock solution: This by dissolving 40 pounds of the more when the crop is removed, which is there was a great road leading from acter. Every vocation has its own atthe in a barrel containing important crops used for this purpose; a great advantage in the north owing men give milk as a drink, while others Damascus to the Mediterranean coast. mosphere, and it exercises a definite all of them. That there is one now is Leguminous: red clover, crimson clo- to the short season in which to do the use it for mixing the mashes. Best At the point where the road passed influence upon those who breathe it. owing to the long and patient labor of to place the chemical in a ver, summer vetch, field pea; non- work. Every advantage must be taken results, I believe, are obtained when from the territory of Philip the tet- There are callings which exalt men Dr. William Saunders of Ottawa and of silage crops that mature in time they can have it as a drink, as in that rarch to that of Herod Antipas, there and increase their self-respect. There his two sons. was a customs house where goods were are vocations which degrade men, and Beginning with a Russian wheat Even when trapnests are not used, examined and duty collected. Matthew can only be followed at grave spiritual that will ripen in a latitude of more

> V. 9b. He saith unto him, Follow me. Care, too, is taken that they are It was strange that Jesus should call 2. A Neglected Man. Because he was a publican, Matthew would be left that would ripen within seventy days alone as far as religion was concerned, and make excellent flour they bred into Zacchaeus had definitely cut himself resist drought. And so year after year off from the patriotic and religious they worked away, trying one comthis is a big handicap. The clay soil from a pound of tar-camphor balls order as "heathen, assassins, robbers." The publicans were given a wide berth bination after another, selecting this

> where such a short growing season obStoring eggs in cellars is not adIt was always the individual that he weiting for the type call It may have very well until at last they had waiting for that very call. It may have very well, until at last they had been that he had often heard Jesus, produced a stable seed that would as he stood shamefacedly on the out- produce wheat with every desirable followed him." His reason was like words had gone right to his heart. He quality for subarctic culture. That that of the Galilean fishermen,-without question, without reserve, without is more than ready to obey when Jesus

paration in the heart of Matthew. Perhaps gratitude is hardly the word Prelude. It will ripen in eight weeks The message of Jesus was always for III. MATTHEW, THE BRAVE MISSIONARY, receipt of custom. Soon after, he any other variety will grow. sinners came. Note how "publicans" acknowledgment of his discipleship. and "sinners" are used as if they de- Then it sprang out of a double sense

location are guarded against.

Free Water Beneficial to Pigs

in Winter Feeding.

An experiment is reported by the

consisting of one part each shorts,

middlings, corn and oats, and five per

this result, and further observation is

its proved worth. It is not the object pearing oak tree girdler are the two. wealth. of this article to dissuade any person The orchardist who has used the from using what they consider a good whitewash formula just noted has whitewash. There have been numer- found that the addition of lead arsenous objections made to the slaked lime ate has reduced the invasion of the whitewash because of its disinclination borers more than 90 per cent.

has proved the best for one orchardist who washes more than 5,000 trees

lead arsenate; bluing. To one and a half gallons of water Dominion Animal Husbandman to deadd a generous handful of the glue. termine if water kept before the pigs Put on the fire and heat until the glue at all times in addition to the regular is dissolved; stir occasionally to keep ration of meal and milk is instrumentthe glue from sticking to the recep- al in the production of increased gains. tacle. Set to one side and allow to Two lots of five Yorkshires each were used. Both were fed a meal ration

Take three quarts of the dry cold-cent. tankage. Lot No. 1 had water water paint and add a heaping table- before it continually. In addition both spoonful of powdered arsenate and lots had buttermilk. The experiment mix the two thoroughly. Now pour covered sixty days. The pigs in Lot clear water into the dry powder very 1 made an average gain each of 99. slowly and mix thoroughly until the lbs. during the period and the pigs in mixture is the consistency of thin bat- Lot No. 2 an average gain each of 79 ter-cake dough. The whole secret of lbs. The fact, says the Dominion Husthis whitewash is to add the water bandman, that snow was accessible to slowly and mix thoroughly until every the pigs during part of the experi particle of the powder has been dis- ment detracts from the accuracy of

Now add seven or eight table spoon- to be undertaken. Apart from this, fuls of the glue which has been re- he remarks, the fact that the lot reheated back to its water thinness, stir ceiving the water made a materially fore the close of the season's work, so oriskly for a half minute and add the better showing than the lot receiving cauivalent of a half ball of ball bluing no water would appear to indicate that which has been dissolved in water. The the availability of slightly warmed whitewash should now be tested with water in cold winter weather, where it a soft clean brush, a regulation paint is freely accessible to the pigs, is debrush is preferred. If the mixture cidedly beneficial. - In this connection, flows and leaves a coating very similar it seems reasonable to add, continues and in the homes of villagers than are to a good oil paint it is ready for ap- the Husbandman, that the supplying found in city homes. More than 660,-

the hundreds of insects that dislike a ficial.

MARQUIS WHEAT

able things with organic life, both ani-LESSON SETTING-This week we Matthew are there. So also are the bring. His sense of loyalty to his new stocks are blended. But still he usuwhat his friendships and life had from Mother Nature. Let us consider,

for an example, Marquis wheat. When the Pharisees saw. Jesus is Northwestern Canada is a land of ice. Jesus not only defends himself, to the Peace River Valley within a few

> There are other qualities that a useful variety must have. It must be able to resist drought no less than cold, for western Canada is often both cold and

peril. Matthew had chosen a calling than sixty degrees north, they crossed tributes of the soul and to develop a which has superior milling qualities. When they had got a hybrid variety

Incidentally the Saunderses estab-4. Matthew's Gratitude and Joy. lished another variety that they called Matthew may have heard of Jesus. to express Matthew's feelings. There and has been raised at Dawson within must have been at least an element of three degrees of the Arctic Circle. It the outcast and the despised. As Mat-glad surprise that Christ should choose may perhaps be grown even in the thew listened, he would hear the new him-the man who had forfeited the lower Yukon Valley. It does not pronote of sympathy in strange contrast right to be called a son of Israel. It duce heavily, however, and for that to the note of scorn in the words of was a new sensation. He gained his self-respect and passed over from the reason is not worth planting where

showed his gratitude and new-found The service of the Saunders family V. Jesus sat at meat. Luke puts it, joy in a very practical manner. He not only to their native country but to "Levi made him a great feast." The prepared a feast to which were invited mankind as well is worthy of more those whom Dean Swift praised so scribed persons of the same moral of loyalty. He was loyal to the men highly-the men who make two blades where only one grew before. They have caused whole acres of waving grain to spring up where before none Whitewash formulas and recipes are washed tree means nothing in their the face of cold and drought and given

## The Best Stock Pays Best.

A perusal of the market reports issued by the Markets Intelligence Dito stick for any length of time to a In applying whitewash it is recom- vision of the Dominion Live Stock smooth surface and because of the mended that the mixture be spread an Branch makes plain the fact that none labor and care needed in its pre- inch or two below the surface of the but the best really pay. Take for insoil. This may require the use of a stance, the Winnipeg report for the Of the many recipes tried for mak- hoe, but it will be well worth the effort last full week in June. Here we find ing a good whitewash the following in that those insects hatching at this that the top prices of steers and calves were not only 75c and \$1 respectively better than for the corresponding week of last year, also that the better grades of beef steers and heifers were exceptionally strong sellers and that the best butcher cows met a good trade at strong prices, but that plain and medium kinds were inclined to be weak and draggy. The market was topped by a consignment of yearling steers and heifers of desirable quality and finish at a price of \$9.25 per hundredweight, while common steers averaged as low as \$5.02 and common heifers as low as \$4.25, an actual difference of \$4 and \$5. Calves showed a similar discrepancy between the best and the ordinary. Of the Toronto market we read that, of a heavier run of cattle, the majority were only half finished, and that butcher demand was weak, while exporters had enough on hand. At Montreal good quality stock sold well, but medium cattle were inclined to drag. There was a material difference at each centre between good and common.

> Clean, oil and paint machinery bethat during the months when the machinery is less used, it will not rust

More Bibles are in farmers' homes of fresh cool water to hogs while on 000,000 Bibles have been printed in all The reason the lead arsenate was pasture in the summer is very desir- languages, throughout the world, since added to this mixture was because of able and has proved decidedly bene- printing was invented in the middle of the fifteenth century.

## for live stock and will bring them The weed that is killed before it se

BY J. B. McFARLAND.

Spare the Whitewash and Spoil the Tree

Nature did not intend the trunks of grandfather cut those limbs away to not intend the trunks larvae in particular to which a white- ward the domain of civilized man in one of this re-agent onto the surface but as supplies increased, quotations condition at the age they are. Nature feated. If grandfather had applied ing the surface of the solution, a dis-line brown color results more lime 1922 and \$17 in the immediate April brown color results more lime 1922, and \$17 in the immediate April. shade that portion of the tree. Grand- around the trunks, those trees would be added to each 40 gallons of Montreal high was \$18 against \$20 in father, through necessity, pruned those now be strong, healthy and vigorous. solution for the control of potato May, 1922, and \$12.25 in April this protective limbs away so he might plow More and more orchardists are usyear, and Winnipeg top, \$13.50 closer to the tree. Then the trunk, ing whitewash as a protection for Commence spraying about the mid- against \$16.50 last year and \$13.25 in without any protection from the sun, their trees against sunburn and insect

plants are small 60 gallons per acre have been larger this year than last. the tree trunk. The sap, flowing just ease of application to any desired part will be sufficient. This amount should From January 1 to May 31, 19,956 cat- beneath, was checked on its journey to of the tree and its value as an unbe increased as the plants grow larger. the were exported to Great Britain and the leaves. The bark began to peel, natural surface which insects abhor.

the scribe and Pharisee. now contains 40 gallons of Bordeaux ed to be very popular with eastern Those old, old apple trees you saw sap and destroy those cells functioning farmers, who paid as high as \$7.75 along the road in your neighbor's as sap conveyers. These destroyed cells orchard which his grandfather planted formed a place where a moth depositfollowed the resulting solution will Relative to hogs, the report says so long ago; did you ever stop and ed a nest of eggs. The mother moth many of his old friends to meet Jesus. recognition than it has received. They of bluestone and lime, but since the an increase to date this year of 150,000 the southern and western sides of healthy cells adjoining would furnish well as his heart. Many publicans and It must have been a sort of public

THE BEST PROTECTION.

excess of bluestone. A testing considerable price reduction on ac- good? If the trunks of those trees There are many ways to protect the standing. Sat down with him and his whose calling he had shared. He want- of grass or two ears of corn grow may be prepared by dissolv- count of heavy Danish killings, and had been protected from the sun these trunk and unshaded limbs of a tree. disciples. All the old companions of ed to put them in touch with Jesus. past years they would be sound to-day. Nature does it with foliage, but when

felt the first stages of decay set in. enemies. Whitewash has many merits throughout the season. When the Exports of cattle, calves and sheep The sun seared the tender bark of to recommend it-its inexpensiveness,

The sprayer should be equipped with 21,874 to the United States, compared crack and check into furrows where Then, too, a whitewashed tree is paration. three nozzles to each row,-two side with 3,563 and 9,355 respectively dur- dampness held. These damp furrows cooler than one without a white covernozzles pointing slightly upward and ing the corresponding period last year. furnished a culture place for the ing. The sun's rays are reflected and one pointing downward—so that both Export of meat this year up to the spores of one or more kinds of fungi not absorbed as in the case of a upper and lower surfaces of the leaves end of May was 9,888,900 lbs., against which came quickly and began to send darker surface. One authority says



