Spraying Formulas in Small Quantities

mercy as far as spraying them is maintained which may result in concerned? They would have to with- ing the leaves. If hard water is used stand the attacks of insects from the in making the emulsion, much better time they were set out in the spring results will be had if a little washing until frost hit them in the fall. Early soda is added. It is best to apply this in their existence the cutworm might spray on bright sunshiny days when destroy them when it is on its nightly the moisture in the spray will evaporsearch for food. The small bea-beetle ate quickly. It'is a contact spray and may riddle the leaves with the tiny kills by hitting the insect, so that a holes it makes, while a little later the thorough job is necessary. If any of cabbage worms would probably come the stock emulsion is left it can be in abundance. All of these can be kept for some time in an air-tight ance in the garden and just as often take their share of the vegetables grown. Knowing what the trouble is question of what to spray for the var- cubic inch; water, half a cupful. ious insect troubles may cause many! net to spray at all, but with many othmix, in the proper proportions, enough sufficient for one gallon of water. spray for a few rows of potatoes or a Care should be taken, as in the kero- hired by a farmer to do farm work. Two in each, we can plainly see.

The formulas given below are in terms most familiar to the housewife and are meant for those having a small paich of ground for garden purposes. In following the directions one should, for the most part, use old dish es and these, when not in use, should to kept in a place by themselves so as and will be roady when wanted. Measures of Equivalents for House-

Two cupfuls of liquid or dry matethree teaspeonfuls equals one table-

are indicated on their sides." To lead (powdered), one and a half measure dry material, press the mate- pounds; (or arsenate of lead paste), rist into the cup or spoon soudly and three pounds; water, fifty gallons. level with a knife. All quantities call Household Formula.-Arsenate of for level measurements.

Nicotine.

Standard Formula.-Nicetine sulphate, forty per cent., one pint; soap, For the Codling-moth, Caterpillars or four pounds; water, 100 gallons.

Household Fermula .- Nicotine sulphate, forty per cent., one teaspoonful; soap, one cubic inch; water, three

one cubic inch of common laundry then add enough water to make four was thronged with worshippers from it would be a serious matter for them soap and when dissolved pour it into quarts of poison. This will be strong the country as well as from Jerusalem. to condemn one whose only fault had two quarts of water and add a tea- enough for most of the chewing in- The priests; were the officials of the been that he had been faithful to the specuful of nicotine sulphate, forty sects, but for the more resistant ones temple and naturally resented his preper cent. Shape well to get a good such as the potato beetle, it will be diction that the temple would be de- Innocent blood. When innocent blood the content of the co Core should be taken in purchasing arsenate of lead or six tablespoonfuls prophets; were false prophets; were false prophets who est of kin was required to average the time they are hatched, should be so the first summer, be provided with a good known any case of the "lead of Wich."

wherever spray materials are sold. is much lighter than the paste of the eer Jeremiah had to face scorn and princes were more impartial and un-This spray seems to have taken the same bulk so that apparently more of hatred; he was the most pathetic and prejudiced as judges than the priests ous production is concerned.

pound; soft water, one gallon.

For Scale, Insects, Plant Lice, Animal Lice. Etc.

out a cubic inch, that is, one inch each a half pounds; water, fifty gallons. way. Shave it into a cupful of soft Household Formula.-Calcium arsewater and boil for a few minutes in a nate (powder), three teaspoonfuls; thick vessel which will hold the heat (or calcium arsenate paste), one teafor a time. When it is dissolved re- spoonful; water, one gallon. sene oil. Agitate violently with an This material is mixed in the same the uproar in the temple or a mestack of Jeremiah to stand in the court of the Lord's house and speak the better. emulsified, when it will have a creamy used against the same garden insects. So they went up to the temple to quell. appearance and will not readily sepa- Like the arsenate of lead it must be the disturbance. The new gate; probrate from the water if allowed to used stronger when applied to the po- ably the "upper gate" built by Jotham stand. Or in place of an egg-beater tato as the potato beetle is quite re- (see Kings 15: 35). The princes openone can pour the mixture into a two- sistant to the weaker poisons. Bor- ed an informal law-court by the gate quart fruit-jar and vigorously shake deaux or lime-sulphur may be substito decide Jeremiah's case. The courts it, with an up and down motion, un- tuted for the water. til the mixture is completely emulsified which should require at least ten minutes. This is known as stock using. For use as a dormant or win- lasses, two quarts; oranges, three was decided that Jeremiah was gunty their spirtual faith was more than their political liberty. The true patriot emulsion and must be diluted before pounds; Paris green, one pound; moter spray against scale-insects it (chopped fine); water, to make a good were competent to declare what consists he who seeks the highest welfare they had no stituted blaschemy, they had no stituted blaschemy, they had no seeks the highest welfare they can have free access to it. See the nevertheless desirable that every After this stights at the stights and the second s part of the stock emulsion to three or four parts of water, or in other words, one teatment of the national part of the stock emulsion to three or authority to affix the sentence. That the real welfare of his country is that they have an abundance of succession, was a matter for the civil authorities, and interest of the national possible channel by which disease about once every ten days until cold weather. If the princes weather If the princes were proposed weather If the princes in a quart of water. For plant-lice or spoonful; orange, one-quarter (chop- life on domesticated animals it should ped fine); water, to make a good V to make a good V to better to produce obtained nothing is better to produce

"An ounce of prevention is worth a used if there are any leaves on the pound of cure" is an old saying that plant to be treated, and in all cases applies especially to the control of in- the spray mixture should be kept stirsect pests. What would become of our red or shaken while applying. If this fine cabbage plants if left to their own is not done a good mixture is not

Crude Carbolic Acid Emulsion.

For Use Against Root Maggots. when to apply it, probably having the described above for the kerosene cuch to allow bees to enter, and large enproper ingredients on hand, but the described above for the kerosene ough to accommodate the flies. question that troubles them is how to emulsion. When ready this will be

Pyrethrum.

ounce; water, two gallons. two teaspoonfuls; water, one quart,

For Cabbage Worms

Pyrethrum is usually applied as not to be used for cooking purposes powder, dusted on the plant, either alone or mixed with lime or sulphur. Another equally good way is to use it as a spray. Into a quart of water add two teaspoonfuls of pyrethrum and rial equal one pint; four cupfuls of stir well, it will not dissolve but will remain in suspension. It kills insects through their breathing pores but is harmless to man. Care should be tak-Measurements by weight are the en to use fresh pyr hrum or else good mest accurate, but, as a pair of scales results cannot be expected. It should is not included in the kitchen cutfit of be purchased in air-tight packages

lead (powdered), three tablespoonfuls; (or arsenate of lead paste), one tablespoonful; water, one gallon.

Plants, Flea-Beetles, and Other Chewing Insects.

Measure into a cup three tablesspoonfuls of powdered arsenate of For Plant Lice. White Fly, Etc. full of water. With a spoon mix these conspicuous place in the temple court, his own personal safety it was only lead and fill the cup about two-thirds Into one quart of warm water shave so that a good paste is formed and probably at a festival when the temple just for him to remind his judges that the nicotine sulphate to get it of pro- to a gallon of water. Bordeaux mix- delivered messages that pleased the murdered man, but since Jeremish's handled that they will not receive any known, any case of the "Isle of Wight" grass paddock, says the Dominion per strength for if a weaker solution ture can be used in place of the water people. Thou shalt surely die. The kinsmen had deserted him, God Him-check. From "shell to laying pen" disease among bees in Canada, and Animal Husbandman. During the inshould be used it will make the spray if it is desired. If arsenate of lead officials doubtless thought that Jereself would avenge His prophet. Upon should be one period of continuous steps have been taken by the Dominion tense heat they should be allowed out at many drug or hardware stores or form. The powdered arsenate of lead period, and therefore he was a men- God's prophet to death.

the form of a dust when it is mixed temple in Jerusalem. The people re-Household Formula. - Keresene with either air-slaked lime or sulphur garded the Jerupalem temple as a sort (coal cil), two cupfuls; laundry soap, and applied with a specially construct- of fetish; as long as it stood they were or easy one, for wrong must be public-

Calcium Arsenate.

Standard Formula.-Calcium arse-From a cake of laundry soap cut (or calcium arsenate paste), one and

Poison Bran Mash.

white arsenic to a quart of bran and mix well together. Put three tablespoonfuls into a cup of water, stirring it well together and add to the bran, working it in. Put a quarter of an orange or half a lemon through the food grinder and add to the bran mixture. Then add enough water to make a good stiff mash. A teaspoonful of sown broadcast. To get the best re- "Thirty days hath September": sults from this mixture, it should be How many bones in the human face? put out in the evening so that it will Fourteen, when they're all in place. remain fresh all night. Care should How many bones in the human head?

run where this is being used. Poisoned Bait for Root Maggots. prevented from their destructive work fruit-jar, which should be labeled and extent. They are had in beauty onions. I wenty-four, like a climbing vine. by the proper application of poison. put away for future use.

The onion becomes infested with mag
Kerosene emulsion is one of the old
The onion becomes infested with mag
Kerosene emulsion is one of the old
The onion becomes infested with mag
The oni gots that perforate the bulbous root, est of the contact insecticides and has garden vegetables. The adults of Twenty-four ribs, and two of the rest making it unfit for food. Every year been supplanted to a large extent by these maggots are small flies about How many bones the shoulders bind? two-thirds the size of house flies. And Two in each—one before, one behind. sweets. They are killed by feeding In each arm one; two in each forearm. Standard Formula.—Crude carbolic them on poisoned syrup. It is made How many bones in the human wrist? does not always means an available acid, one pint; soap, one pound; water, by dissolving five grams of sodium arsentic in a gallon of hot water and How many bones in the palm of the spray put on at the right time would Household Formula.—Crude car- adding half a pint of molasses. This have prevented these troubles. The bolic acid, one teaspoonful; soap, one is poured into several shallow pans or dishes which are placed on the ground Five in each, with many a band. near the plants to be protected. After How many bones in the fingers ten' Shave a cubic inch of laundry soap the pans of poisoned syrup are in Twenty-eight, and by joints they bend. ers this is not the case. They know in a half cupful of hot, soft water and place they should be covered with a How many bones in the human hip? with what to spray and often just helic soil. This see he smulcifed as

small patch of cabbages, perhaps a sene solution, to keep the material I was hired by the same man. When How many bones in the ankle strong? milking time came, the city fellow Seven in each, but none are long. was given a bucket and stool and sent! How many bones in the ball of to milk a very gentle cow. Twenty Standard Formula.-Pyrethrum, one minutes later the farmer went to him Five in each as the palms are put. Household Formula.-Pyrethrum, along. "All right," he replied, "as

and asked him how he was getting How many bones in the toes half a twenty acre field; would like to seed soon as the milk comes down." He Twenty-eight, and there are no more. for pasture permanently. had simply been holding the teats in And now altogether these bones his hands for twenty moutes .- D. W. may wait.

The Sunday School Lesson

MAY 28

Jeremiah Speaks Boldly For God, Jer. 26: 8-16. Golden Text - Amend your ways and your doings, and obey the voice of the Lord .- Jer. 26: 13.

events during this period were signithed he, having appointed his com- So as to make as sure as possible of ease germs in manure I would advise ficant. Palestine was a buffer state mission, was responsible for his seand Egypt and was invaded first by V. 13. Amend your ways. Instead of one and then by the other. Josiah was continuing in defence Jeremiah refighting against the Egyptians (2 It was an excellent opportunity for When you seed your grass and clover ing it in by thorough harrowing. The under Egyptian control. The Egyp- and listening. king of Judah. It was at the begin- recognized that the tribunal before fertilizer analyzing about 2-10-2. from bean straw which goes into the

Arsenate of lead is also applied in out that a similar fate awaited the

cusers" (Peake).

just across from the temple. Being so In like manner it was the unpleasant them until they settle down. The soon-erican Association of Economic old. of hiw were usually held by a gate.

Standard Formula.-Bran, twenty V. 11. The religious authorities had

ning of his reign that the events nar- which he stood had the legal right to A. P.: 1. I would like to get some manure. I do not know of any bean judge him. Do with me, etc. His missalfalfa started as soon as possible but varieties that are immune to bean dishing through whereas John worked

The prophet's task is seldom a safe serve the purpose. ene cubic inch; soft water, one cup- ed dust-gun or else dusted on by hand. safe, regardless of their mode of life. ly rebuked. The Bible gives some icd when artificial heat is removed is etc. "Apparently the priests and pro- triot with soul on fire for righteousnate (powder), three-fourths pound; phets seized Jeremiah at the close of ness. Moses risked the wrath of crowd, and very little of this will give his address and then the people crowd- Pharaoh in his desire for the libera- the chicks a serious set-back. ed round the prophet and his ac- tion of his people. Nathan had to say II. The Charge Against the Prophet, Repeatedly Elijah had to condemn

(See Deut. 21: 19; 22: 15; Amos 5: at the cost of national wemare in the ever get headway.

Anatomy Lesson in Verse. Every boy and girl will be interestthis mixture scattered near the base ed in the following rhyme which, if of the plants to be protected will give committed to memory, will be found the required results. It may also be to be as valuable as the familiar Eight, my child, as I've often said. How many bones in the human ear? Almost every gardener is troubled How many bones in the human spine?

like the house flies they are lovers of How many bones in the human arm?

One in each, and deep they lie. A young man from the city was How many bones in the human knees?

Farm Crop CONDUCTED BY PROF. HENRY G. BELL

The object of this department is to place at the ser-

vice of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops. Address all questions to Professor Henry G. Bell, In care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. When writing kindly mention this paper. As space is limited it is advisable where Immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct.

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prepare a barrel of the following mix- clover on it, seeded in oats last year. school they went with equal honors. ture-1 pint or 1 lb. of formalin to The failure of the clover was due to potatoes before cutting and lower as it was late and the weather dry, alike in their studies; both were weak for 20 minutes, after which take it common weeds. What method can and in kindred subjects. they have dried off.

the best pasture for cows?

sorghum 30 lbs. and red clover 7 lbs. to the acre has proven the best annual not a good pasture crop.

C. K.: Would you kindly advise me how to procure a permanent field it down with sweet clover and use it

Answer: You cannot secure a permanent pasture out of sweet clover. other strain takes two years to complete its life. Alfalfa, a close rela-

Alfalfa 1bs.

about 1,000 lbs. per acre of lime on 2-10-2 at the rate of 500 lbs. per acre,

the only ground I have to plant it on eases. Clean seed, and clean culture is a small piece seeded to wheat, and established as entirely effective.

change in conditions. Induce them to goes into the thousands.

consume large quantities of green feed

Minister of Agriculture to prevent its during the nights only. A grain ration A publet that is stunted at some introduction in this country. What composed of two parts of bran, two stage in its development is a pullet is known is that it has existed in parts of oats, and one part of corn that is ruined so far as heavy continu- several European countries for some may be advisable. From ten to twenty extent, as a contact spray. It is very Arsenate of lead has many advantaged and the long over Paris green incompact as the long over Paris green incompact as the long over Paris green incompact as the long over leading as rapidly as possible and in fair contact spray. It is very for the long over leading as rapidly as possible and in fair contact spray. It is very for the long over leading as rapidly as possible and in fair contact spray as possible and in fair contact spray. It is very for the long over leading as rapidly as possible and in fair contact spray as rapidly as possible and in fair contact spray as rapidly as the long over leading as rapidly as the long over leading as rapidly as possible and in fair contact spray as rapidly as the long over leading as the long ov effective and easy to prepare. It tages over Paris green, inasmuch as broke his heart to denounce them.

The sample of live bees, imported from ably alfalfa or clover, 8 to 15 lbs.

Scotland being cont to the Paris green, inasmuch as broke his heart to denounce them.

V. 9. Like Shiloh. The important sample of live bees, imported from ably alfalfa or clover, 8 to 15 lbs. Standard Formula.—Kerosene (coal will not be as likely to injure the follow), two gallons; laundry soap, one lage and can safely be used in combitous the destroyed during the philistine wars, Cam. ch. 1-4. Even though it was the temple of God it which on examination were found to the complete which on examination were found to the complete which on examination were found to the contain living miter which are the contain living miter before the eggs hatch and then, at Scotland, being sent to the Bureau of daily, as needed; pullped turnips (or though it was the temple of God it risk of his life gives thereby ample the commercial powders will be satistical embodiment of the direction factory. Ordinary road dust with a embodiment of the disease, the worst if necessary, a grain mixture comlittle flowers of sulphur added will phase of which is that no treatment posed of equal parts bran and ground has been discovered that can safely oats or ground oats and ground barley, be recommended for its eradication two to three lbs. daily. In the absence safe, regardless of their mode of life. It reputed. The bible gives some lod when artificial new striking illustrations of those in high one when the chickens require close of the disease is emphasized or out sheaf will give natisfaction. Otherwise they are liable to by the mites being so small as to be Those heifers from twenty to twentyinvisible to the naked eye and conse- five months may be kept on pasture quently beyond the general recognition at very low cost. From twenty-five to Put wire netting across the corners will be readily recognized the import- good flesh for calving. The rations of the beekeeper. From these facts thirty months, put the heifers in extra boldly to David, "Thou art the man." of the house so that the chicks cannot ance of immediate action being taken mentioned will give excellent results, crowd into them and transpie each to safeguard boss from a disease increasing the grain. Breed the heif-V. 10. The princes; the mobility, inof indulgence and injustice. John the
any crowding drive the chicks to the
try of the country. The country of age (depending on size and condimove from the fire and pour into it, Used in Place of Arsenate of Lead rulers. The king's house; was situated Herod that his conduct was not lawful. centre of the house and stay with them until they settle down. The soonstern words of reproof to the people.

During the hot summer weather be consider the matter. This committee The way to kill quack-grass is to The prophet spoke unpleasant words ever on the watch for vermin. Spray met in Washington and upon its sug- let it grow until it begins to blossom, not through spate or personal pique, the houses occasionally with a good gestion the importation into Canada then cut it for hay. As soon therebut because he saw the inevitable working of moral law. He had a higher conception of patriotism than that traces of red mites keep right after them, as it is good-bye to healthy of Agriculture, of heer word or conditions the mouses the following the nouses the nouse the nouses the nouses the nouse which seeks popularity in the present them, as it is good-bye to healthy of Agriculture, of bees, used or second layer as possible. In small patches which seeks popularity in the present them, as it is growth in the chickens if these tests hand hives, raw hive goods or prothis may be done with a hoe; in larger future. On the surface it appeared ever get neadway.

As soon after "weaning" as possible, the first of the present month. While plowshare is broad enough to cut the disloyal to assert the futility of resistance to Babylon, but Jeremiah knew get the pullets on to good fresh range. the importation of bees from Europe entire slice loose from the soil and, of ance to Babylon, but Jeremian knew get the puncers on a good fresh that Israel had a divine mission and Hopper feeding will be found most has hitherto been on a very small course, sharp enough. In plowing,

When John and Thomas trudged of to school the first morning fuey were so much alike that only their mother could tell which was which. The school was in the country and the teacher, who had eight pupils and all grades to teach, regarded the twins as just one more problem to contend with. She was certain that she should never know which was John and which was

The first year at school showed that the recemblance between the two boys was more than physical. They kept side by side in the primer, in spelling W.S.M.: Will you please tell me the about two acres seeded to rye with and in arithmetic. What was hard for best way to treat potatoes for scab? some self-grown vetch, and about four John was hard also for Thomas. And Answer: To treat potatoes for scab, acres that has a very little mammoth finally when they left the one-room

Then came high school at the county 21 gals. of water. Take a sack of not getting the seed covered enough, town, and there also the boys did much same into this liquid. Leave it there This piece is quite well seeded to our in Latin and strong in mathematics

out, and empty out the potatoes. As you suggest to get alfalfa started on After they were graduated and had soon as these are dry, proceed to cut- this ground? I thought of plowing gone to live in the city their paths beting and plenting. If you have treat- the rye under after it had made some gan to diverge. They both began ed too many potatoes, the remainder growth, but this might make it late working in the shipping department of will be perfectly safe to use as food, in the season as the ground is high a meat-nacking house. John begonsince no poison remains on them after and sandy. I once got a good stand work with a cup of black ink and a of alfalfa sown in August after rye, brush; his task was to print names H. M. L.: Would oats or millet be had been harvested for seed. 2. I rais- and addresses on boxes and barre's. ed a few kidney beans last year. They Thomas began in the office, checking. Answer: A mixture of cats 51 lbs., were badly diseased, vines partially Then the Y.M.C.A. offered a night dying, and some entirely, when they course in commercial refrigeration, were half-grown. When the pods are but to take it required more money pasture mixture at O.A.C. Millet is fed to sheep will the manure carry than either of the brothers thought he the disease to next year's crop? Is it could easily afford. John, however, true that there is an improved dark decided to spend the necessary sum. red variety that are not diseased? "It will last only this winter," he Answer: 1. Sow about 15 to 18 lbs. argued. "I can get through it someof alfalfa seed per acre on top your

wheat and rye. Also top dress this But Thomas didn't take that view. with about 250 lbs. per acre of a "When I left high school," he told his 2-10-2 fertilizer. Harrow the piece brother, "I said I was through with lightly, with the rows. Plow the piece school. Think of the hard work; and One strain of this plant is annual in its habits, that is the annual sweet clover. clover completes its life in one year, alfalfa at the rate of 15 to 18 lbs. you to work extra, and you'll probably just the same as oats or barley. An- Cut the grain fairly high and do not get nothing for it. No, I am through posture it next fall. 2. Bean diseases with study."

tive, lasts for four to six years. A some of the worst diseases are of winter Thomas found work that for good mixture for permanent pasture bacterial origin. Whether or not a while paid better than checking. spraying is of service is as yet an John kept his old job and after a hard

which has not grown beans for some corporation; Thomas is driving a years. To avoid introducing the dis- motor truck. The salary of one is not a good stand you will do well to apply your using fertilizer analyzing about the wages of the other are one hunkilled at the battle of Megiddo while news his exhortation to repentance. as you disk and hearow your soil, a few days before planting and work-Kings 23: 29) and his kingdom passed preaching; the crowd was standing by mixture use a nurse crop of about germs of bean diseases will not surtians set up Jehoiakim, his son, as V. 14. I am in your hand. Jeremiah about 250 to 300 lbs. per acre of a but it may be carried in the trash line a hard reason line one of her fantastic turns and dumped

that is not now seeded to other clover are the only preventatives so far and studied. Yes, it was a matter of luck, but John, who was skeptical of luck and who put his faith in study and work, is the one whose pay cheque

the on domesticated animals it should be diluted at the rate of one part of stock emulsion to ten to fifteen parts of water, or mix one cupful of the stock emulsion in three quarts of water. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter. This more dilute spray should be the stock of the possibility of death iter times the Albigenesians and Weblance of the possibility of death iter. The sarry content of the possibility of death iter the possibility of death iter. The sarry content is the possibility of death iter. The sarry content is the possibility of death iter times the possibility of death iter. The sarry content is the possibility of death iter. The sarry content is the possibility of death iter. The sarry content is the possibility of death iter times the possibility of death iter. The sarry content is production.

Get the pullets into production.

Get the pullets into production.

Get the pullets into winter to be some stime to be some time and honol.

This higher conception of patriotism has given a noble honor roll of mash, bearing was although controlled with the possibility of death iter. The sarry content is production.

Get the pullets into production.

This higher conception of patriotism has given a noble honor roll of mash, bear started in to make him a tin um- to be completely exterminated by this

TWINS

The name the radio one steamer who ship sank in this spring. lions to as nerve they ha and actions becomes evide is flickering. "Well, the wiches for life were going o Grantoft one ing comment by the Daniel

the final mes smarhod. Ca on their lies.

said to have r tie referred to t

Make

visit the British Museu ee Magna Charle, of Mattono Manuscrint.

queror? Why, what's