PROTECTING APPLES FROM DISEASES BY SPRAYING.

What to Apply, How and When to Make the Application Clover as Food for equally fond of them. Fowls-Crops Grown for Hogs-Farm Notes and Home Hints.

Spraying Apple Orchards fungi and insects is now conceded to the substance required for the probe one of the positive duties in con-nection with the growing of apples shells is procured when in a soluble Those who have had experience in form in the food, as it must pass this direction are practically unani- through all the stages and processes mous in saying that it not only pays of digestion, and the more soluble to spray apple orchards, but it pays the mineral elements the easier and apply, and how and when to make than does corn or wheat, and the the application. What we want to green clover, though containing find out is the best methods of treat- more water, is comparatively as rich ing apple orchards, so as to obtain in lime as the hay. Clover is also a least expense.

are mose liable to its attacks. This feed. may be determined in two ways: First, by studying the life history of the fungus; and, second, by applying fungicides at intervals to the trees. If the last method is followed very thoroughly, the results may be obscured by the more or less complete extermination early in the season of the fungus in the treated orchard. But if a few thorough applications made at the proper time will prove to be sufficient to protect the trees, the fact that the on the stock which the Indians suppractical value, whatever the life history of the fungi may be

The relative merits of the most important fungicides now in use still require careful consideration-cost. ease in preparing and applying, adany comparison which may be made, and of late a still more important factor has been added; namely, the readiness with which the fungicide may be applied in combination with the arsenites.

Spraying need not be neglected from a want of effective material or spraying machinery, says the Journal of Agriculture. The kind to use in orchard work is an important matter. Spraying is hard work, unless the pump is run by horse power. This can only be used in very .arge orchards. The most of orchardists have to use hand pumps, and they ther fore selections are often difficult. requires double work to use a given borses if the industry is made ; amount of liquid with a small pump able. that it would one of ample size. Working parts should be made of brass or brass-lined, as the action of the material used would soon corrode. public taste. The air chamber should be small, so that the operator can quickly increase the pressure of the liquid in the nozzle. A large air chamber de-feats this. Many pumps are supplied with agitators, but have not proved satisfactory, neither does the one with return pipe or rubber hose, as it only stirs up the liquid in the middle or where the current comes in contact with the fluid. The best way would be to stir up with a stick is little trouble to do this, and will

on each tree. The spray should be as line as it is be taken to get a proper nozzle.

What to Grow for the Hogs.

There are some things that the their hogs, for corn is a developer of pounds of butter a year and he feeds fat instead of bone and muscle. If a her but little more than he would good bene development is required. one that gives 150 pounds. pigs must be fed on food toat will produce bene and muscle. Oats are good for this purpose, so are peas and bran and shorts and linseed meal, and the swine breeder should into a savory hash. Served on have some of or all these who would nicely browned toast, turkey hash is have first class stock.

Another most excellent food for alfalfa is raised, and it belongs to pressing wir a warm iron. the clover family, hogs have been raised and fattened almost entirely on it. Clover properly cut and cured makes a good winter food for hogs. particularly when cut up in a cutting box and steamed or even wet up and a little bran or ground feed mixed with it, and nothing makes hogs thrive better in winter. They need something not quite so concentrated as grain, and cut up and steamed clover just fills the bill. Indeed well cured clover hogs, after a little experience will out even dry and

The breeders of hogs should have an artichoko patch. If it is in some cut of the way fluid that the hogs can have access to, so much the better. The richer the field the greater the yield. We have had reliable persons tell us in rich bottom lands they have been known to turn off 2.000 bushels per acre. They are very out of the ground if they have not harrow smooth ever the field again,

the pointer a but are better buried the body.

THE FARM AND HOME, in heaps or pits than when kept in the cellar like potatoes. They will not bear warmth and air like potatoes, being inclined to decay quicker. The artichoke for hog feeding is one of the cheapest crops raised, and horses and cattle and sheep are

Clover as Food For Fowls.

Clover is not only more suitable as summer food for poultry, owing to its bulky nature, compared with Spraying orchards to protect the corn, but it also is more nutritious, fruit and foliage from the attacks of as it contains a greater quantity of The doubts as to it being ad- more completely they serve the purvisable are rapidly disappearing, poses of the hens. Clover hay conand the main questions are, what to tains over thirty times more lime fruit of the best quality with the nitrogenous food and supplies the elements necessary for the albumen The apple scab fungus is probably of the egg. When the hens have the most serious enemy of the apple access to clover they will eat a large It has been determined quantity during the day, and if inthat this fungus is active even be- sects are numerous their wants will fore the leaf buds open, and probably be faily supplied. If it is desired to even earlier. It is still to be learned allow grain to the flock it should be at what season the growth of the fed sparingly and only once a day. fungus practically ceases, and during Dry clover moistened with warm what period the apples and leaves water and cut up fine is good winter

What Farmers Owe to Indians. The American farmers who first settled this country learned much from Indian cultivators of the soil. There was no corn grown in Europe until it had bee introduced from America. The Indians had several varieties, including pop corn and sweet corn. They had also some excellent peas and beans, and our best modern varieties were improvements trees are thus protected is of great plied. They had also pumpkins, squashes and melons. Fish as a fertilizer was an Indian discovery. The fish too fat and oily for food were used as a manure, dropping a fish in a hole dug in the ground, covering it with a little earth, and hesive power, all must enter into planting the corn over it. We make better fish fertilizer now than this, getting rid of the oil, which has littie manurial value, but the idea of using fish as a manure had never occurred to European farmers until they found it practiced here.

Farm Notes.

Keep charcoal in the hog pens. Plant no more land than can be well cultivated.

Never permit the glib-tongued stranger to get your name to a paper or his hand on your pocketbook. The Australian horse market is

glutted. In fact the depression are offered in almost endless variety, seems to extend all over the world. It is evident that more common The pump should be powerful. It sense must be used in breeding

> People like young, tender, lean meat better than old, tough, fat meat, and it will pay to cater to the

Save all your manure, even if your ground is rich. Manure never did any soil harm, if it was the right kind of manure.

Hire the best help that can be found and pay it what it is worth. One good competent farm hand is

worth two or three incompetents. Plant no seed without testing it in a box of soil set in a warm place. It

or long paddle before commencing often save vexatious disappointment. Ex-Governor Hoard said at the Ohio agricultural convention that possible to make it, and care should he wants to see the day when there will be no more than one-half as lost sight of. They propose to sacrifice many cows as there are in existence now and every cow twice as good. When there shall not be more than breeders of swine are learning in one-half the number of cows on the Colman's Rural World. One of them same farm and every cow twice as is that they must not rely so much good. That will bring profit. He on corn in growing and developing says he has a cow that gives 300

Scraps of cold turkey that can be used in no other way can be made a deticious lunch dish.

Creases may be taken out of silk swine and, in fact, for all young by spreading the material on a clean stock is clover either as pasturage or froning cloth, laying over the creases properly cut and cured. Where a damp cloth and then soft paper,

It is well before having a room re painted to clean the old paint with two ounces of soda, dissolved in one quart of water, and applied warm, then washing off all traces of the

A variety in the simple wheaten loaf of bolted flour is raisin bread. This is simple a wheat loaf, to which a cup of stoned raisins is added when it is moided up and put in the pan to raise for the last time before baking

The silver used on the table should be wiped each day with a soft cham-Silver becomes clouded as much from the steam of coffee, tea and hot loo is generally as from active use, and the daily polishing keeps it in good condition

tilris who want to improve their complexions are udvised by an expert to exercise ton minutes a day with easily raised and the hogs and pigs the lightest weight dumb-bells they in this latitude and south of it will can find. There are in a well-known gather them themselves. They will athiete's system for physical culture feed on thom who never the frost is sixteen different exercises for the leg and six for the arm, of which he get rings in their comes in the takes daily from ton to fifty. As they spring burn of the hogs and with the sand the blood danning through the voins and accelerate the action of sed there will be plenty seed left to the digestive and respiratory organs . a crop just as large as the one they cannot fail to brighten the eyes ascrented. Or they can be gathered and skin and improve the health of

OUR NATIONAL PLATFORM. The People's Party Platform Adopted

at Omaha July 4, 1892.

Assembled upon the 116th anniversary of the Declaration of Independence, the People's party of America, in their first national convention, invoking upon their action the blessings of Almighty God, puts forth in the name and on behalf of the people of this country the following preamble and declaration of principles:

PREAMBLE.

The conditions which surround us best justify our co-operation. We meet in the midst of a nation brought to the verge of moral, political and material rain. Corruption dominates the ballot box, the legislatures, the congress, and touches even the ermine of the bench. The people are demoralized; most of the states have been compelled to isolate the voters at the polling places to pre ventuniversal intimidation or bribery. The newspapers are largely subsidized or muzzled, public opinion silenced; business prostrated; our homes covered with mortgages; labor impoverished and the land concentrating in the hands of capitalists. The urban workmen are denied the right of organization for self protection; imported pauperized labor beats down their wages, a hireling standing army, unrecognized by our laws, is established to shoot them down; and they are rapidly degenerating into European conditions. The fruits of the toil of millions are boldly stolen to build up colossal fortunes for a few, unprecedented in the hostory of mankind; and the possessors of these, in turn, despise the republic and endanger liberty. From the same prolific womb of governmental injustice we breed the two great classes-tramps and millionaires. The national power to create money is appropriated to enrich bondholders. A vast public debt, payable in legal tender currency, has been funded into gold-bearing bonds, thereby adding millions to the burdens of the people.

Silver, which has been accepted as coin since the dawn of history has been demonetized to add to the purchasing power of gold by decreasing the value of all forms of property as well as human labor, and the supply of currency is purposely abridged to fatten usurers, bankrupt enterprise and enslave industries. A vast conspiracy against mankind has been organized on two continents and it is rapidly taking possession of the world. If not met and overthrown at once, it forebodes terrible social convulsions, the destruction of civilization or the establishment of an absolute despotism.

We have witnessed for more than quarter of a century the struggles the two great political partic fer power and plunder, while grievous wrongs have been inflicted upon a suffering people. We charge that the controlling influences dominating both these parties have permitted the existing dreadful conditions to develop, without serious efforts to prevent or restrain them. Neither de they now promise us any substantial reform. They have agreed together to ignore, in the coming campaign, every issue but one. They propose to drown the outcries of a plundered people with the uproar of a sham battle over the tariff, so that capitalists, corporations, national banks, rings, truste, watered stock, the demonstization of silver and the eppressions of the usurers may all be our homes, lives and children on the altar of mammon; to destroy the multitude in order to secure corruption funds from the millionaires.

Assembled on the anniversary of the birthday of the nation and filled with the spirit of the grand generation which established our independence, we seek to restore the government of the republic to the hands of "the plain people," with whom it originated.

We assert our purposes to be identical with the purposes of the national constitution: "To form a more perfect union, establish justice, insure domestic tranquility, provide for the common defence, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity."

We declare that this republic can only andure as a free government while built upon the love of the whole people for each other and for the nation; that it cannot be pinned together by bayonets; that the civil war is ever and that every passion and resentment which grew ew of it must die with it, and that we must be in fact as we are in name, the united brotherhood of free

Our country finds itself confronted by conditions for which there is no precedent in the history of the world; our annual agricultural productions amount to billions of dollars in value, which must within a few weeks or months be exchanged for billions of dollars of commodities consumed in their production; the existing currency supply is wholly inadequate to make this exchange; the results are falling prices, the formation liow Best to get to St Paul and the of combines and rings and the impoverishment of the producing class. We pledge ourselves that, if given power, we will labor to correct these evils by whee and renounable legisation in accordance with the terms of our platform. We believe that the powers of government-in other words, of the people-should be expanded (as to the oses of the postal

service) as rapidly and as far as the good sense of an intelligent people and the teachings of experience shall justify, to the end that oppression, injustice and poverty shall eventually to cease in the land.

While our sympathies as a party of reform are naturally upon the side of every proposition which will tend to make men intelligent, virtuous and temperate, we nevertheless regard these questions, important as they are, as secondary to the great issues now pressing for solution, and upon which not only our individual prosperity, but the very existence of free institutions depend; and we ask all men to first help us to determine whether we are to have a republic to administer, before we differ as to the conditions upon which it is to be administered. Believing that the forces of reform this day organized will never cease to move forward until every wrong is remedied, and equal rights and equal privileges securely established for all men and women of the country, therefore:

WE DECLARE

irst-That the union of the labor forces of the United States, this day consummated, shall be permanent and perpetual. May its spirit enter into all hearts for the salvation of the republic and the uplifting of mankind.

Second-Wealth belongs to him who creates it, and every dollar taken from industry without an equivalent is robbery. "If any will not work, neither shall be eat." The interests of rural and civic labor are the same; their enemies identical.

Third-We believe that the time has come when the railroad corporations will either own the people or the people mus, own the railroads, and should the government enter upon the work of owning and managing any or all railroads, we should favor an amendment to the constitution by which all persons engaged in the government service shall be placed under a civil service regulation of the most rigid character; so as to prevent the increase of the power of the national administration by the use of such additional government employees.

PLATFORM.

We demand a national currency, safe, sound and flexible, issued by the general government only, a full legal tender for all debts, public and private, and that without the use banking corporations; that a just, equitable and efficient means of distribution direct to the people, at a tax not to exceed two per cent. per annum, to be provided, as set forth in the subtreasury plan of the Farmers' Alliance, or some better system; also by payments in discharge of its obligations for public improvements.

We demand the free and unlimited coinage of silver and gold at the present legal ratio of 16 to 1.

We demand that the amount of circulating medium be speedily increased to net less than \$50 per capita.

We demand a graduated income tax. We believe that the moneys of the country should be kept as much as possible in the hands of the people, and hence we demand that all state and national revenues shall be limited to the necessary expenses of the government, economically and honestly ad-

We demand that postal savings banks be established by the government, for the safe deposit of the earnings of the people, and to facilitate exchange.

Transportation being a means of exchange and a public necessity, the government should own and operate the railroads in the interest of the people. The telegraph and telephone, like

the postoffice system being a necessity for transmission of news, should be owned and operated by the government in the interest of the people. The land, including all the natural

resources of wealth, is the heritage of all the people, and should not be monopolized for speculative purposes, and alien ownership of land should be prohibited. All lands now held by railroads and other corporations in excess of their actual needs, and all lands now of them can but serve their interests by owned by aliens, should be reclaimed by the government and held for actual settlers only.

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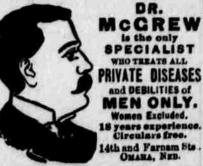
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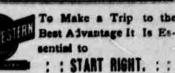


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