## THE PROPER TIME FOR SPRAYING

Man inquires have come in the past few days as to the best time to past few days as to the best time to spray. It demonstrates that our fruit growers are taking more interest in the matter than usual, and the information which these bet posted through study and observation can give, will be followed quite generally.

Last year the percentage of good apples raised in Hood River valley, which were free from worms and which graded No. 1 in a very particular, has never been equalited in any other fruit never been equalled is any other fruit growing locality, and is the best re-cord ever made here. The difference in returns from first grade apples, compared to wormy fruit, is a great incentative to using every recaution and he most improved seatheds of

spraying.

Below we quote from papers read at Below we quote from papers read at the Northwest Fruit Growers' Associ-ation at La Gran e by J. L. Carter and E. H. Shepard, which will be of interest at this time, and on another page, is the able paper read at the same meeting by Prof. Ball of Utah. Hood River methods differ in some respects from those of other localities, experience having found that local conditions require certain methods

conditions require certain methods that give better results.

The value of early spray in killing the codim moth that enters the blossom end of the young apple, cannot be overestimated. It is probably the most important time for spraying. The right time for this spray is illus-Trated in the accompanying engraving.

The first picture shows the blossom in full bloom, when the ends of stamen

are turned back. This period is too early. The next period is too late, when the callyx cup is closed. The proper time, then, as shown in the picture to the extreme left, is when the stamen ends are partly closed, so as to form a cup. The spread will an act of the compact of the stamen ends are partly closed. as to form a cup. The spray will en-ter this cup, and as the stamens close,

"At the beginning of the past sum mer several of the leading apple grow-ers of Hood River valley began using what is termed the new spray, or arsenate of lead; the results, without exception, have been very satisfactory. The Swift's preparation of this spray was used, with from 4 to 6 pounds to one bundred gallons of water. True, good results have come from the thor-By J. L. Carter. good results have come from the thorough use of arsenate of lime; but,

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ter this cup, and as the stamens close, it holds the poison. Any codlin moth that has entered this blossom end of the apple must feed on this poison and die. The poison is there, and it cannot fall to do its work.

This period of the forming of the open calyx cup occurs about a week apart are sufficient for the second broad, the time to be determined by broading cages. Should there be a third or partial broad, give one on Pigs and Children.

In the Sarawak Gazette is an article after the blossom falls, sometimes and determine the time in the same manner. I do not mean to the smakes of that part of Borneo, of the poisonous reptiles it says: "The say that a less number of sprayings of the poisonous reptiles it says: "The



Too Early

any considerable amount, as soon

spraying in order to warrant safety.

By E. H. Shepard.

ples. From the success achieved fast

Too Late

Right Period

arsenate of lead. Year before last | What the Press Sa s of Mary C C. most thorough tests were made in three different localities in the state. Wherever Mrs. Bradford's name of Ohio by professors of the experi-ment station upon the comparative occessful work, as a speaker she merits of the two aprays; the results ranks with a small group of women were pronounced decidedly in favor who have won national fame; as an of the lead; that is a much larger perorganizer her executive ability is marked; her skill as a parliamentari the same number of specimens experimients of with from the latter material
people of Colorado not need to be teld
interest with the latter material
lost the latter material. Sond may ask, has it other special advantages? Yes: it is much more easily prepared, as there is no slacking of lime nor boiling of poison:

Vice-President and President of Colorado as Vice-President and President of Colorado as Vice-President and President of Colorado. there is no clogging of nozzles, as the rado Federation of Woman's Clubs. At preparation contains no gritty sedipresent, she is the General Federation preparation contains no gritty sediment; another and more important Secretary for Colorado and the Naconsideration, is the ease with which the apples are wiped, the cost not being one-half as much as when the other apray is used. Two things, however, which were claimed for it, did not prove true with me viz: That it would not precipitate, and that it gave significant celor to the foliage to gave sufficient color to the foliage to determine, what part had been aprayed. It needs to be stirred the

Bradford, as many times before, pro-foundly-impressed the great audience with the clearness of her thought, the closeness of her logic and the beauty same as other sprays, otherwise it settles and prevents uniform distriof her English, -- Rocky Mountain News, Denver, Colo. butions. The color imparted to the foliage is sparcely perceptible, but

One of the most attractive personalthis fault may be easily overcome by the addition of a little lime to the ities attending the National American the addition of a little lime to the woman's Subrage Convention is Mrs. Woman's Subrage Convention is Mrs. Mary C. C. Bradford of Colorado The subject of her address was "The vision of Freedom." It was a new testion of Freedom." done is an important question, which might be answered by saying; at least often enough to keep the fruit so covered wit a coating of spray as to cause the death of the insect attemption. The first sensation of the Biengial

ting to eat his way into t.

"With the arsenate of lime spray it was formerly thought that every morning when Mrs. Mary C. C. Bradmarks are the fraternal morning whe The first sensation of the Bienaial it was formerly thought that every the eweeks during the summer, on the control of the National American was often enough; others preferred to spray every two weeks, and some as spray every two weeks, and some as spray every two weeks, and some as speech was very short but beautiful, be taught his brother that the speech was very short but beautiful, below behind the house was haunted

printed on the wrapper and pressed in the box. Theoriginal DeWitt's Witch dried off, should be followed by Hazel Salve never fails to give satisfac "Spraying is now practically a defin te science, and by untiring energy and eternal vigilance every or chardist can grow a clean crop of appearance of the control of the c

Pay Your Dog Tax.

year with five and six sprayings with arsentite of lead, we are convinced that this number of sprayings is sufficient, if properly done at the following out been paid. He proposes that none times, to insure a clean c.op. Once shall escape, so if you want to save before the blossoms have fallen; next your dog, see that you pay the tax by semblance," as it is most difficult to be seen days after, and two weeks after for the above date.

but harmiess forms are designated by this term. The hamadryad (Naja bunthink, better results have, and will Salt Mackeral and Eastern White bigger but rarer than the cobra. It is come, from the thorough use of the fish at Jackson's. the cobra, it raises its bend and exfood is chiefly other snakes.

"Less dangerous than these najas are the vipers, of which the most common species is the green viper, which reaches a length of two feet or more. The head is large and shaped a tree snake and very sluggish. The 'bungarus' are of several species, one, Bungarus fasciatus, of length up to four feet, being black with yellow rings. It is called the 'ular buku tebu' (sugar cane joints) by natives. There are also sea anakes of many species,

thon reticulatus grows to an enorchildren. The oil of this snake is used Python curtus, is interesting in that its flesh tastes like that of fowl-at least, so Dyaks say, and they are authorities on snake flesh, for they eat a number of the large snakes."

### POINTED PARAGRAPHS

Some people are simply acting natural when they are kicking.

Do the right thing by all of your friends, and you haven't anything but the core of the apple left.

possible. When a man says that he has not a

friend in the town where he lives you can depend on it that the town is not

Don't forget that your actions are measured as critically all through life as is the borrowed butter you return to a neighbor.

With all due consideration for the sober second thought, we notice that the longer we aim the more liable we are to miss the mark.-Atchison Globe,

Froude's Youthful Terrors. Of the youthful hardships endured by James Anthony Froude a biographer says: "Conceiving that the child

wanted spirit, Hurrell, his elder brother, once took him up by the beels and stirred with his head the mud at the bottom of a stream. Another time he threw him into deep water out of a boat to make him manly. But he was was often enough; others preferred to spray every two weeks, and some as often as every ten days. It is claimed that the arsenate of lead spray is not so easily washed off or diluted by rain as are other sprays; and hence, that there is not need of its being upplied so often, I am, however, considerably in doubt upon this latter point. The frequent rubbing of the leaves over the fruit, caused by the action of the wind, rubs of the spray, thus leaving the fruit exposed to the attack of pests. A rainfall of any considerable amount, as soon as

flying lizards (Draco volans) are only

found in Java, and their strange appearance is supposed to have been the origin of the dragon of the mediaeval ed hands, etc. For blind, bleeding, itching and protruding Piles it affords almost immediate relief. It stops the pain. Sold by Williams Pharmacy. spread out by the long ribs and enable the animal to glide through the air from tree to tree in pursuit of the insects on which it preys. When lying prone on the mottled surface of a bough, it is

A STORM IN THE JUNGLE. it Comes With a Roar Like That of a

People who have never been in a earlier and sometimes later, depending largely on the weather and the rapid or slow growth. The right time can be easily determined by examining the blossoms, keeping a close watch, and be ready to spray when the time is right.

The same manner. I do not mean to survive say that a less number of sprayings of the poisonous reptiles it says: "The would not be sufficient, but I do mean to say that a less number of sprayings at have would not be sufficient, but I do mean to say that a less number of sprayings at have would not be sufficient, but I do mean to say that a less number of sprayings at have would not be sufficient, but I do mean to say that a less number of sprayings at have would not be sufficient, but I do mean to say that a less number of sprayings of the poisonous reptiles it says: "The talks of the borizon or a seafaring man of the offing—as if when you wanted snake which raises its head to strike when irritated, at the same time expanding the hood at either side of the poisonous reptiles it says: "The talks of the borizon or a seafaring man of the offing—as if when you wanted snake which raises its head to strike which raises its head to strike to see it you only see a few scrag-the time is right.

It spits at latruders and hisses given us practically clean apples with less than two per cent of worms." neck. It spits at intruders and hisses gy patches of it overhead through the like a cat, whence it is known as openings in the twigs and leaves. Nel-"ular tedong puss;" in some parts, too, ther do you feel the wind bolwing, nor as "tedong mata hari." The word "te- get burned or dazzled by the sun, nor dong" in Sarawak is apparently ap- even see that luminary except by moplied to all large snakes which Malays mentary glimpses about midday, from consider to be poisonous, and, as our which it follows that a jungle man does Malays are but ill acqualated with not usually pretend to be weatherwise. these animals, quite a number of large If he does he is even a greater humbug than the rest of the weather prophets. On the afternoon about which we garus) is a brown snake, considerably are speaking I remember setting forth on my walk in the still glow of the tropical calm and wondering rather at the intense stillness of the surrounding pands the bood before striking. Its forest. Then the air grew cooler and the green of the foliage in front seemed to deepen, and presently there was a Grubbing Tools and Loggers' Tools sound as of a giant waterfall in the distance. Waterfalls do not, however grow louder every second, whereas the noise in front did so. Then there was like an ace of spades. This creature is a loud, angry growl, as of a dozen llons. A minute more and the whole jungle began to roar as if fifty squadrous of heavy cavalry were coming ap at a gallop. Then came a drop of ra make the world ston.

Then the storm beg a The r above darkone! the trees cla er The tail of a sea snake is flattened the trush rood beneat the classic base. ed Itself. A delage of maniform bis Sarawak has other snakes; "Of the ted out the currow view, nown it pythons there are two species. Py- entire, soaking the dense." leaves under which on sited for refumous size, over twenty feet. It is striking the grass and soul with a very fond of pigs, but varies its diet flons of east thurs, during furiou various animals, including even against the leaves as if they were -many hostile shields, streaking the air by Malays as an embrocation for with innumerable perpendicular lines bruises. The other species of python, and hurling itself down with the force

In such a downpour one may as well walk and get wet as stand still and get wet. Unfortunately one did not know where to walk to. The "circumbendi bus system" presupposes the fact that the wagon wheels and bullock tracks can be seen and noted, but when the cart track is no longer a cart track, but "all turned to rushing waters," such tracks cannot be seen, and unless you have a pocket compass you may as well try to fly as to get back to where you came from. When one reads of travelers lost in the backwoods, they always steer by the sun-and probably very badly-hat when there is no sun what are you to do?-Slam Pre is.

Brazen Thefts. During the South African war an immense stone monument was removed

at Cape Town during the night, and no one knows to this day by whom or why it was taken. Some years ago, in broad daylight, a clever and bold gang of thieves carried off a valuable fountain fourteen feet high from Uxbridge without exciting the suspicions of any one and quite recently an omnibus was calmly removed, horses and all, while standing unguarded outside a public house in London and has never been seen or heard of since. It would seem, indeed, that it is often far easier to steal a big thing than a little one .-London Telegraph.

Pincing Him. "Young man," began the diguified gentleman in black dress, "have you fully considered the future? Have you made provisions for the hereafter? Is "Pardon me one moment, please, but

are you a minister or a life insurance agent?"-Milwaukee Sentinel

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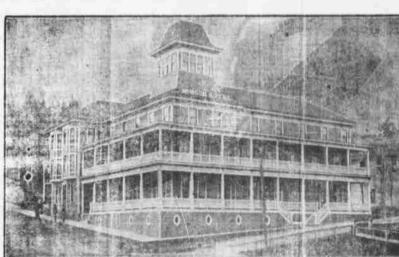
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to at once. Seven town. Price, \$1250.

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