

WHEN TO SPRAY.

Professor Card's Recommendations For Apple Orchards.

Professor Card of Nebraska makes the following recommendation in a recent bulletin:

Spray with paris green, as generally recommended, about one week after the blossoms fall or in time to get the calyx cups well filled with the poison so that they may close over and hold it there.

Spray again with paris green and bordeaux mixture combined or with kerosene emulsion about June 1, or, better still, observe carefully and apply this when the eggs are being laid in abundance on the leaves.

Scrape the bark and place paper bands around the tree about the last of June, when the larvae are beginning to leave the apple to pupate. Examine these two or three times, a week apart, and destroy the insects found beneath them.

If these methods are not wholly effective, owing to the proximity of neglected orchards or from an unusual abundance of moths, later spraying, with either paris green and bordeaux mixture or kerosene emulsion, may do some good, but apparently cannot be expected to be wholly effective. Late spraying with arsenites is much more likely to injure the foliage than earlier applications.

If larvae are still found in the apples in any considerable numbers toward the end of the season, place paper bands about the tree about Sept. 1 or a little earlier. Leave them there until the fruit is gathered from the orchard; then remove and destroy the larvae hibernating beneath them.

The Coming Bedding Plants.

The beautiful new Gloire de Lorraine has brought added popularity to begonias, and the fibrous rooted perpetual flowering varieties, especially, are coming rapidly forward as bedding plants. When used for bedding, a mulch of good soil laid over their roots once or twice in the hottest part of the summer will help them greatly, especially



BEGONIA GLOIRE DE LORRAINE.

during a drought. They are remarkably neat and effective when grown in the garden, choosing those varieties with erect flowers. Gloire de Lorraine, Vernon weltoniensis and Duchess of Edinburgh being some of the best. These plants do best in a half shaded situation, and a position partly shaded by a tree at a little distance suits them well, especially if in a moist spot. They are also very useful for edging borders of the larger tuberous rooted begonias or other plants.

The dwarf flowering Begonia Gloire de Lorraine is also a charming little plant for slipping into a bowl. It has rounder leaves than the other varieties. The pretty flowers, too, in a rich shade of pink, are broad petaled and round, the whole plant being covered with them. This variety is distinct in appearance and most attractive.

Lily Blight and Its Prevention.

"The lily blight is the most serious fungous disease troubling lilies in America," says an authority on the subject. "The fungous develops most destructively during moist periods, doing little harm in dry seasons. It may attack any part of the plant from bulb to flower, but is most conspicuous upon the leaves, where by killing the tissues it causes reddish or rusty brown spots. These are small at first, but increase in size more or less rapidly, often involving the entire leaf, and the plant is thus

seriously weakened or destroyed. Mr. Horsford has found bordeaux mixture an effective preventive of the blight, and he sprays all his lilies with this mixture several times during the summer, beginning early in the season before the disease appears."

Horticultural Brevities.

Plants continue to bloom for a longer period if they are not allowed to produce seeds. The flowers should be picked if possible as soon as they begin to fade.

Stiff clay loam is unfavorable to the growth of good strawberries.

Among black caps Palmer and Pioneer have proved good early yielders at the Geneva (N. Y.) station.

We bed our azaleas out in summer under a lath screen along with tuberous begonias and other plants of that sort. The plants are not taken from their pots. The latter are merely plunged, says Vick's Magazine.

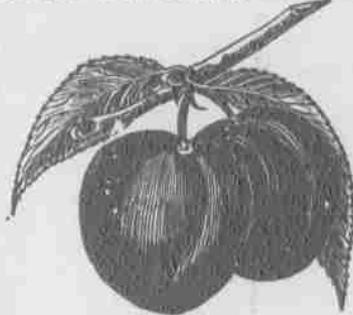
Lilium kramerii, a beautiful large lily with delicately shaded pink petals, is one of the prettiest for garden culture, and succeeds very well indeed.

According to the state entomologist of New York, there are 176 species of insects that are injurious to the apple trees just after they are in bloom.

White arsenic, which is less expensive than paris green, is being much used in the place of the latter in spraying orchards.

A Superb New Plum.

Mr. Luther Burbank, the originator of a large number of new and noted plums which are being largely planted, pronounces the October Purple the best of them all, according to American Gardening, which quotes him thus in illustrating the fruit: "The October Purple is a splendid grower, ripens up its wood early to the tip, bears every season and fruits all over the old wood on spurs instead of away out on the



OCTOBER PURPLE PLUM.

branches, like many other kinds; fruit very large and uniform in size. It is a superb variety."

The fruit is described as measuring a trifle over seven inches in circumference and shows long keeping quality. The fruit is round in form, color a reddish purple, a little darker than the Bradshaw; flesh yellow, stone small and in quality superb. The tree is a strong, erect grower, forming a nice shapely head, something like Abundance in this respect. It is, however, a more symmetrical and shapely grower. Its season of ripening is about a month later than Abundance or Burbank, or from the middle to last of September. Its large, even size and beautiful color, late season in ripening, long keeping and superb quality will make it a very desirable variety for the garden or for the market.

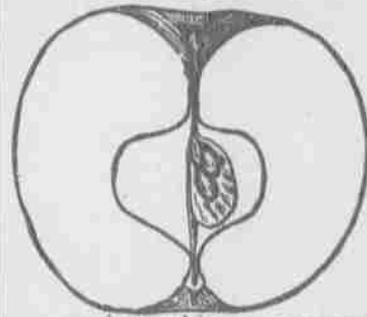
A Uniform Apple Barrel.

The Country Gentleman presents remarks made before the Eastern New York Horticultural society by Mr. Charles Foster, in which occurs the following: Let me say that the time has come when our growers recognize the necessity of coming together on this question. Our barrel manufacturers are ready for the change, and there is today no widespread opposition to legislation that will place us in fair competition in the markets of this country and Europe with the larger barrel now in general use in the western states, Virginia, New England and Canada. What we desire is a package of the capacity of the flour barrel, which is 17 1/2 inches diameter of head, 28 1/2 inches stave and 64 inches bulge. There is nothing in our bill which precludes the use of new or secondhand flour barrels—the former so largely used in Virginia and the latter in New England.

THE INGRAM APPLE.

Commercial Orchardists of the West Have Taken It Up.

One of the new apples that is deserving of general trial, especially in the central and southern states, is Ingram. It was originated by Martin Ingram of Green county, Mo., from seed of Balls Genet (which is often called Geniton, etc.), something more than 25 years ago. It resembles that old favorite somewhat in both tree and fruit. Like its parent, the tree does not come into leaf and bloom so early as most apples, and is therefore not so often caught by late frosts. It is a regular, dependable



THE INGRAM APPLE.

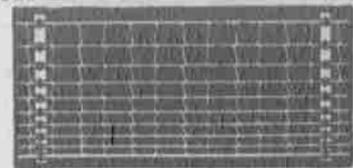
bearer and makes a fine orchard tree. The fruit is of medium size and, in this respect, decidedly larger than the old variety. The figure shows the shape fairly.

In shape it is oblate, conic and somewhat angular. The color is yellowish when fully ripe, covered well over with quite distinct red stripes and some mixed red of a duller color. Many specimens are quite handsomely colored, and as they run the apples are decidedly superior in general appearance to the parent variety. The flavor is subacid and would be considered by the average person as very good eating. It is a late keeper so far as tested. In Missouri considerable orchards of Ingram are already planted and in bearing, and its popularity is steadily extending. The commercial orchardists of the west are taking it up and as good authority as Professor H. E. Van Deman, in giving the foregoing illustrated mention of it in The Rural New Yorker, concludes by recommending others to try it, especially in the regions where Bon Davis and Winesap are popular.

Flowering Shrubs.

Among the earliest are Daphne mezereum and the forsythias, which bloom before putting forth leaves. Following these shrubs are the magnolias, the red bud or Judas tree, the hawthorns and the apple and the cherry among small trees. Some of the best second early shrubs are the azalias, bush honeysuckle, Japan quince, double flowering plum, flowering almond, lilacs in variety and the earlier spiraea—especially Van Houttei, prunifolia and thunbergii. A little later come the weigelas and mock orange (Philadelphus) and the Japanese Rosa rugosa. In late summer we have the late spiraea—as bumalda, billardi, callosa, etc.—the smoke bush (Rhus cotinus) and, best of all for massing, the hardy hydrangea.

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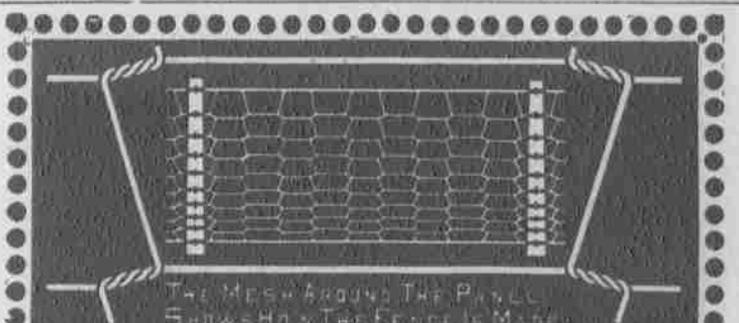
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