

## WORMS HARM CABBAGE

### Butterflies Deposit Eggs On Leaves of the Plant.

Pest is Easily Controlled if Destructive Measures Are Promptly Begun And Practiced Throughout the Season.

(By PROF. L. M. MONTGOMERY, Ohio State University.)

At this season of the year, cabbage fields are visited by large numbers of small butterflies which deposit large quantities of eggs on the leaves of the cabbage plants. These eggs hatch in a few days and develop hordes of small greenish cabbage worms. These worms feed on the leaves of the cabbage, sometimes eating out considerable holes and frequently eating into the newly formed heads. The worms are easily controlled if destructive measures are promptly begun and consistently practiced through the season. Failure to control them is largely due to neglect or prejudice against the use of certain methods of control.

The most serviceable remedy which has been used in the university garden is white hellebore, a vegetable poison obtainable at any good drug store. This material comes in a powder form and loses its poisonous properties in a short time if exposed to the air. Therefore it must be fresh. Apply it as a spray mixed in water at the rate of one ounce to three gallons of soapy water. The soap makes the solution stick to the leaves. There is absolutely no danger associated with the use of hellebore, because it will have lost its poisonous property before the cabbage is marketed. Furthermore, there is no chance for the material to get into the interior of the head, because cabbage heads form from the inside and the outside leaves are removed before use. This ma-



Virginia Cabbage Field.

terial must be applied thoroughly as often as the worms begin to appear numerous. Arsenate of lead may also be used effectively at the rate of 2½ pounds to 50 gallons of water, but we prefer the hellebore. Hand picking is a laborious method where only a few plants are grown.

### Cheap Beef and Milk.

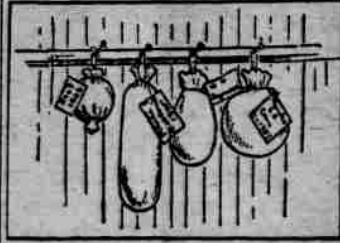
More than ever, this season of high priced grain, will we see the money in making beef and milk more largely on cheap roughage. Our beef making must continually grow more nearly like the methods of the old countries. We are going to use more roughage and less grain. In the past we have used too much corn and too little corn stalk. Conditions have changed wonderfully since that system of feeding began.

## HOW TO SAVE GARDEN SEEDS

Clean, Assort and Tie Up in Sock Tops as Shown in Illustration—Label Each Package.

(By J. W. GRIFFIN.)

Just as soon as the seed of squash, cucumbers, melons, and tomatoes are removed from the fruit I wash them in two or three different waters and thoroughly dry them in the shade. The



Seeds Stored for Winter.

same with bean, pea, corn, beet, turnip and similar kinds of seed. Clean and assort and tie up in sock tops and stocking legs. Then hang up in the tool house where rats and mice do not trouble.

Each little sack is labeled as soon as the seeds are put in, with the date. Then when planting time comes the seeds are ready.

## PREPARE EXHIBITS FOR FAIR

Best Time of Year in Which to Lay Plans for Capturing Blue Ribbons—Spray the Fruit.

At this time of year the secretaries of various fair associations are arranging their plans for the exhibits which will be held this fall. These are reminders that this is the best time of year in which to lay plans for capturing the blue ribbons. Fruit growers, particularly, need to begin their work now for the exhibits they will make at the fairs and apple shows, for the fruit which will wear the ribbon must be sprayed.

But even if it is not now the expectation of any fruit grower to make an exhibit at a fall show, the chances are that he will change his mind when the premium lists arrive, and it is just as well to begin. Sprayed fruit is coming to be the only kind to which the better class of fruit dealers will give any consideration, and in spraying it is well to do the spraying with the idea in mind that every fruit must be show fruit. Show fruit might really be called "extra fancy" so far as its grade is concerned, and the "extra" applies not only to the grade, but also to the returns which the fruit will bring. So, after all, it is well for every one of us to feel that our crop is to be show fruit, and work throughout the entire summer with that ideal in mind whether or not we actually place any of it in the exhibits.

## CARE IN FEEDING NEW CORN

Severe Losses May Be Avoided by Exercising Judgment in Changing From One Field to Another.

Unless hogs have plenty of pasture and forage crops the change of feed must be gradual to escape derangement of digestion and disordered stomach. It means a little more work to feed supplemental feed and old corn with the new, but the advantages are so great that feeders should not neglect that which is safest, and promises the best returns.

Hogs relish new corn, and we are often tempted to feed too much at the start. At least a month's time should be taken to bring them from pasture and forage crops to a full feed of corn. It requires more bushels of new corn to make the same gain that sound corn will make. Hence it is advantageous, both from the standpoint of health and profit, to feed some old corn while bringing the hogs to a full feed of new corn. Severe losses may be avoided by the exercise of care and judgment in feeding new corn.

## CRETONNES IN THE SUMMER

By Careful Selection, the Housewife May Make Her Rooms Things of Beauty.

It seems ages since the serviceable and smart cretonnes were introduced for hangings, coverings for furniture and cushions, etc., yet it still holds its place among the newest of goods shown for these purposes. Porch furniture, comfortable cushions and cane chairs for use on the summer piazzas are covered and, going further, large armchairs and low rockers for the living room are to be upholstered in this same good-wearing fabric.

But, of course, designs have changed somewhat; colors are brilliant, as usual, but among the newest are those with birds of gorgeous plumage on a background of black. Indeed, brilliant applies to most of the new cretonnes; they are vivid and still launder perfectly, making them an excellent choice for the hot suns of summer days.

The frill or scounce across the top of windows is still liked, only now it should be cut narrow and lifted a little directly in the center, with side draperies of the goods. The sides of these frills are a little longer than last year, and a variation liked is to catch the fullness in cluster of three or four tiny tucks or folds about three or four inches apart, not pressing them flat, but allowing them to stand out. Also the bottom of the frill, where caught up in the center, must be finished with a braid; as it should be cut in a curve, not in a straight line to be puckered shorter in the center, but cut curved. Still another variation shows the bottom of this frill cut in deep scallops and bound with braid.

Small tables covered with cretonne, over which the useful glass is placed, will be sought for porch and living room for various uses. One that should appeal to the housewife who just "loves a pretty bedroom" is to change ordinary furnishings into things of beauty by covering chests, tables and so on with cretonne; the table with the glass top bringing an almost elegant air into the atmosphere. If woodwork and furniture are hopelessly faded and worn a coat of light enamel with a slight tracery of blue or pink or delicate green and cretonne hangings, etc., to match will make a charming room of one that might be termed dismal and depressing, as some rooms have a habit of being.

A caution is to use plain paper or paper with small figures where a room is to be fitted out in gay cretonne; huge or startling designs will only cause discord.

## FITTING UP THE BATHROOM

Some of the Requisites That Must Find a Place in the Modern Establishment.

In the days of the old tin tub almost anything in the way of a towel was good enough, so long as it was free from holes. The advent of sanitary plumbing, the white enamel tub and basin, the tile or tile-effect walls and the nickel and glass fixtures have made the up-to-date bathroom a different proposition. For instance, utility is no longer the sole standard by which the bathroom linens are judged. They must also harmonize with the enamel and glass fittings. As a result housewives now buy their towels in sets in white, with an initial or monogram in color. Many towel sets are bought in plain or fancy material without a monogram, which is worked by the housewife herself.

Bathroom sets of terry cloth are composed of two bath towels, a bath mat, and two face cloths, all with a plain or fancy border and an initial or monogram.

Jacquard figured bath towels are new and attractive. They have a deep pink or blue border and the hem is daintily embroidered in color. The edge is finished with a deep border or crochet of white and color.

## THE BOGY OF OLD AGE

SCARED AWAY BY FAMOUS MEN OF 80 YEARS YOUNG.

They Testify That Right Living and Sound Thinking infuse New Life Constantly into Every Part of the Body.

Old age used to be regarded as an incurable disease; a time to be looked forward to with horror; a period of useless cumbering of the earth.

That bogy is scared away by the testimony of some of the living celebrities who have left the Biblical "three-score-and-ten" landmark far behind them.

Says John Burroughs, the great naturalist, at seventy-seven:

"I am in better health and more able to do my work at seventy-seven than I was at forty-seven or at fifty-seven. I have produced more manuscripts during the last three years than during any other three years of my life, and of a kind that has made unusual intellectual demands upon me.

"Old Age is not such a bugaboo after all. He is, in many ways, better to live with than Youth, because he leaves you more at your ease; you are in the calmer waters; the fret and fever of life have greatly abated. Old Age brings the philosophical mind; he brings a deeper, wider outlook upon life; he brings more tolerance and charity and good will. I did not squander my youth in excesses, and hence I am not bankrupt in my old age."

A novelist, who is six years older than Burroughs and who writes six hours a day, gives this recipe for staying young in the eighties:

"I have constantly given my mind plenty of new thoughts, and this mental diet has kept me young. It is routine that ages. Even in my sleep I am often mentally busy. I think I know consciously that when I rest I darken. I have constantly proved that intellectual activity infuses life into every part of the body. As far as possible I avoid anger or worry, for one hour of such debilitating mental exercise destroys all personal magnetism; and what passes between them and the soul I do not care to say.

"I keep my health because I keep my illusions. I will not believe that everyone is false. I will not believe that hope tells a flattering tale, or that friendship is only a name, or that true love has fled from earth and that the fear of God has vanished. And, above all other reasons for my good health, I place the vivifying power of love. Love is life."

Cardinal Gibbons, eighty years old and in the prime of his powers, says:

"I believe firmly that the critical time of life for the making or marring of a sound constitution is the period of youth. The seeds of weakness are sown in the system then; by irregularity of life, particularly in the hours allotted for sleep and rest; by excess in eating and drinking; by grosser excesses and by lack of proper exercise.

"The rules of health from which I have never swerved from my youth are: Regularity of life, moderation in eating and drinking, exercise proper to my age and profession, avoidance of worry and an ever-abiding trust in God's providence. I have always been avaricious in the matter of sleep. 'Early to bed' is the wisest of all saws for him who has work to do and ambition to do it well."—Los Angeles Express.

### A Trying Ordeal.

"Colonel," asked the beautiful girl, "when was the most trying moment of your life?" "It was when I went to my wife's father for the purpose of asking him to let me have her. He was very deaf, and I had to explain the matter before twenty clerks!"—Answers.