

# HOW TO DETECT MELON DISEASES

### Also How to Control The Destroying Disorders Described by Expert.

Washington, D. C., June 5.—Diseases of watermelons, hitherto not well understood, are now less mysterious. By reason of recent study and the development of combative measures they may now be said to be largely controllable. In a recent publication, Farmers' Bulletin 321, "Watermelon Diseases," a specialist of the United States Department of Agriculture presents new information regarding these disorders and their control. Although the bulletin deals primarily with diseases found in the commercial fields of the Southeastern States, the information is applicable wherever such troubles occur.

The Department of Agriculture, through its advisory relations with county agents and State extension workers, is prepared to assist growers in carrying into effect the control measures recommended. There is, however, the specialist points out, a need for the readjustment of marketing conditions and the co-operation of buyers and shippers in securing for the growers a fair return for his field work in controlling anthracnose and stem rot, two of the most important of the diseases. The ownership and responsibility for the melons now are shifted when cars are loaded and growers of infected melons receive the same price as those who spray and treat their fruit. Shippers as well as farmers should understand the relation which field conditions bear to the keeping quality of the fruit.

## Doctors Agree On Eczema Remedy

### Confirms the Statements About E. D. Prescription

Geo. T. Richardson, M. D.: "In my opinion, E. D. D. should be applied in all cases of skin diseases—an immediate relief to the itch, a calm to excited nerves, softening, yet a powerful agent, a strength to the general system."  
 Dr. Unna Holmes: "E. D. D. is as near a specific for eczema and the dreaded psoriasis as is quinine for malaria. I constantly prescribe E. D. D. also for salt rheum, tetter, barber's itch, pimples, all forms of itching eruptions, and many more."  
 Dr. Ira T. Gabbert: "I freely admit that E. D. D. reaches most cases of eczema and permanently cures them."  
 Dr. Gabbert of Caldwell, Kansas, is one of the best skin specialists in the state. Write and ask him about E. D. D.  
 Druggists are glad to recommend this soothing, cooling liquid. 25c, 50c and \$1.00. Come to us and we will tell you more about this remarkable remedy. Your money back unless the first bottle relieves you. E. D. D. Soap keeps your skin healthy. Ask about it. R. R. Bellamy.

## ties of watermelons.

**General Precaution.**  
 As a general precaution against diseases in most of the commercial watermelon growing districts of the South, it is advisable, the specialist says, to select land never previously used for this crop and never exposed to contamination by drainage water, by material from old melon fields, or by other means.

Of the several serious diseases attacking watermelons in the United States, wilt, root-knot, anthracnose, stem-end rot (blossom-end rot and ground rot) are the most destructive. These may be recognized by the following symptoms:

**Wilt**—The vines wilt suddenly, beginning at the ends of the branches.

**Root-knot**—The vines lack vigor and the melons remain small; roots greatly enlarged.

**Anthracnose**—The leaves show dark spots and tend to shrivel up.

**Anthracnose**—The fruit is spotted with small pits.

**Stem-end rot**—The fruit decays at the stem end.

**Blossom-end rot**—The fruit decays at the blossom end.

**Ground rot**—The fruit decays where it rests on the ground, with abundant white mold.

The cause of wilt is a fungus which attacks watermelons only. It lives in the soil, enters the small roots and grows up through the water vessels which it plugs to such an extent as to cause the vine to wilt. After the vine dies, the fungus grows out to the surface of the ground and there forms multitudes of spores—minute seed bodies which spread very widely. This disease now occurs from the Atlantic to the Pacific and from the Gulf of Mexico to Iowa and Maryland. The directions given for its control in the bulletin mentioned will be most helpful in sections where it is newly introduced, as growers in the older sections have use of resistant varieties.

**About Remedies.**  
 The measures of control include a rotation of crops, the control of drainage water, the avoidance of stable manure, controlling the range of live stock, and the possible use of resistant varieties.

Watermelons are very susceptible to injury by the root-knot nematode, a very widely distributed pest in the South on most vegetables, cotton, cowpeas and so on.

**Remedy**—Root-knot can be controlled in a practical way only by a system of rotation with non-susceptible crops such as winter grains, corn, velvet beans and iron cowpeas or other resistant cowpea varieties. A full discussion of the control of this important disease is contained in another publication, Farmers' Bulletin 648, "The Control of Root-knot," which will be sent free on application to the Department of Agriculture.

Anthracnose is one of the most troublesome watermelon diseases. It is due to a fungus widely prevalent not only on watermelons, but also on cucumbers, cantaloupes and other plants of the cucurbit family. The

## A FIGHTING SPIRIT THAT WILL WIN

### Ivan Olson Fast Winning Back His Old Place as Shortstop.

New York, June 5.—The unbreakable heart of Ivan Olson is carrying him to new heights of glory. His courageous ball playing, his fast thinking brain, and the pure force of hitting are winning back for him his old place as shortstop for the Brooklyn National league team.

Bunny Fabrique, hailed as a wonder—the man who would put the Dodgers in the running again—is holding down a bench position. His fielding, sensational when the season opened, has turned out lately to be nothing more than ordinary; his hitting, prominent in the early days of the campaign, has fallen off until it resembles a pitcher's batting average.

Olson was stationed on the bench when the Brooklyn started on the march through the season. Occasionally he filled in as a pinch hitter or runner, and occasionally he got into the line-up for a short time. His main usefulness, however, was coaching. Olson occupied one coach's box and Wilbert Robinson the other.

Olson was game. He didn't blink when the news came to him that he was to be used only as a substitute. He merely set his teeth and stuck to it. Olson is back there now. He's playing better ball than he did last summer, but he still needs improvement to be called on a par with other National league shortstops. His hitting, always timely, is about the same. But the quick brain of Ivan, his nerve on bases and in the field have inspired other members of the club. Since Olson's return to the line-up they have been winning.

Olson never has been a star. Nerve and brains have held him in the National league. Brooklyn fans have picked him out as a special target for their gibes. It hasn't affected Olson. His heart is iron. He's good for at least the rest of the present season if his fielding holds up to its present gait.

Fungus, which is itself a plant, penetrates the watermelon and develops there in the form of minute mold-like threads. It is spread widely and rapidly by its seed bodies or spores produced in uncountable numbers on the spotted leaves and fruit. Without moisture these spores can not germinate or infect the plant; hence anthracnose may not appear at all during dry weather, but it develops very rapidly during periods of rain or heavy dew, particularly if the weather is warm.

**Remedy**—It can be prevented by spraying with Bordeaux mixture, if this treatment is done thoroughly, and at the proper times. In seasons when the disease is severe, two or three applications will save the crop, of which half or more might otherwise be lost. As spraying sometimes has failed to give satisfactory results, the bulletin calls the attention of growers to some essential details, neglect of which was responsible for all the failures investigated.

**Stem-end rot** has caused losses during recent years that for some sections have been, perhaps, more serious than those caused by any other melon disease. Many cars have reached their destination with 75 to 95 per cent. of the contents spoiled. On one day in 1915, in 100 cars on the tracks in a large northern market, an average of 25 per cent. of the melons was decayed with stem-end rot. So accustomed have melon handlers become to this disease that it is a common practice when unloading to test every melon as it is passed out of the car by pressing with the thumb at the stem end. If the rind gives way, the melon is rejected.

**Due to Fungus.**  
 This rot is due to a fungus closely related to or identical with species which cause a stem-end rot of citrus fruit, a decay in sweet potatoes, a cotton boll rot, and other plant diseases. They are all alike in being wound or weakening parasites; that is, they will not attack a living plant or fruit unless it is weakened or dying from some other cause or has been cut or bruised. The stem-end rot fungus is common in ripe or dying vegetation in or around melon fields, especially on cotton or corn stalks, coffee weed, and old melon vines. Since the spores are borne by the wind they are abundant in the air and are likely to find lodgment on the cut stems of melons. Within 24 hours a blackening of the cut surface may be noticed and by about the third day the fungus has grown down the stem of the melon and started a rot. This disorder is not due, as many think, to the use of large quantities of fertilizers or to the excessive use of nitrates or any particular ingredient. All varieties of watermelons tested have proved to be subject to stem-end rot, and the fruits are subject to the disease at all stages of development.

**Remedy**—The prevention of stem-end rot is to be accomplished by keeping the spores of the disease from entering the cut stem. Two lines of action are advisable: (1) Field sanitation to reduce the danger of infection; and (2) stem-end treatment with a disinfectant. Treatment of the stems, which probably is the most important measure, requires the use of a paste that will adhere and in the quantity used be non-poisonous and practically invisible. Such a material is starch paste with blue-stone. The details for making and applying this paste at the end are given in the bulletins mentioned. Sanitation involves cleaning up the fields, gathering and destroying all cull melons, spraying as for anthracnose, careful harvesting methods, and disinfection of freight cars.

Wilt, root-knot, anthracnose and stem-end rot are the only diseases which influence in a large way the culture of watermelons. Other disorders, however, are met with occasionally. These are stem blight, bacterial wilt, downy mildew, and malnutrition, all of which are discussed in the publication just issued.

## THEATRE

Myrtle Bartles and her Dixie Girls thoroughly captivated three large audiences at the Royal yesterday, despite very disagreeable weather. The show possesses a class and a distinctiveness that puts it over big, and not the least among the things that made it please so thoroughly, was the presence of a blackface artist—the first in several weeks at the Royal. George Richards is well known as a blackface comedy artist, and kept the crowd in constant giggles all the way through the entire show.

Snyder and Vaughn, a nifty couple of singing and dancing artists, appealed greatly to every one and was one of the real big specialty acts of the show. But the real hit was when little Virginia Bartles, a wee tot of a girl not more than three years old, came out with the chorus in an intricate and difficult dancing number. Miss Bartles, in soprano solos, also charmed, as did the Dixie Quartette in late harmony singing hits.

**"THE DERELICT"—GRAND TOMORROW.**  
 "The Derelict," William Fox's new film drama, presenting Stuart Holmes, at the Grand tomorrow, is a picture of intense dramatic appeal, a marvel of photography, scenic detail and acting.

Written and directed by Carl Harbaugh, now being acclaimed across the continent for his masterful production of "The Scarlet Letter," it combines the imaginative and executive talents of this screen artist. Written especially for Stuart Holmes, it brings out the rare powers of this actor to portray selfish egotism, cold disregard for others, and in reflective moments a stirring pathos.

"The Derelict" is Stuart Holmes. He took the character of that man to heart and put a touch of sympathy in a life where most would have put only coldness.

Supporting Mr. Holmes as Teddy Brant is a cast of rare ability. Mary Martin plays the leading feminine role, the wife, a woman of refinement, who is humiliated and disgraced by a husband who abandons her for a fleeting flame. Miss Martin puts into this character that sincerity which has charmed every spectator of her work.

June Days, the woman in the case, is new with Fox productions. She pictures a new type of siren woman.



### BRIGHTENING OUR CORNER.

Memories of one of my first Sunday school teachers prompts me to write this chat. She built up our little class of half-hearted girls into a large class of enthusiastic workers, trying to do their share in making the world brighter. Again and again I heard people say "One could not know her without being better," and surely such a general opinion must have been faithfully earned. She was a delightful person who had strong prejudices against those things she believed wrong but who, on the other hand, was by no means narrow. Her entire life was devoted to making others happy, and this she did as she went about her many tasks. Truly she brightened the corner where she was.

And brightening the corner where you are reminds me of Billy Sunday, the great evangelist, who is conducting a series of sermons at the immense

## ROYAL VAUDEVILLE

**Myrtle Bartles**  
 AND HER  
**DIXIE GIRLS**  
 Featuring  
 MYRTLE BARTLES  
 Lyric Soprano  
 SNYDER & VAUGHN  
 Singing and Dancing  
 GEO. RICHARDS  
 Buck and Wing Dancer  
 And Three Other Big Specialty Teams.

## GRAND

TODAY  
**MABEL TALIAFERRO**  
 —in—  
**"The Barricade"**  
 TOMORROW  
**STUART HOLMES**  
 —in—  
**"The Derelict"**  
 A Tense Drama of Wine, Women and Song.

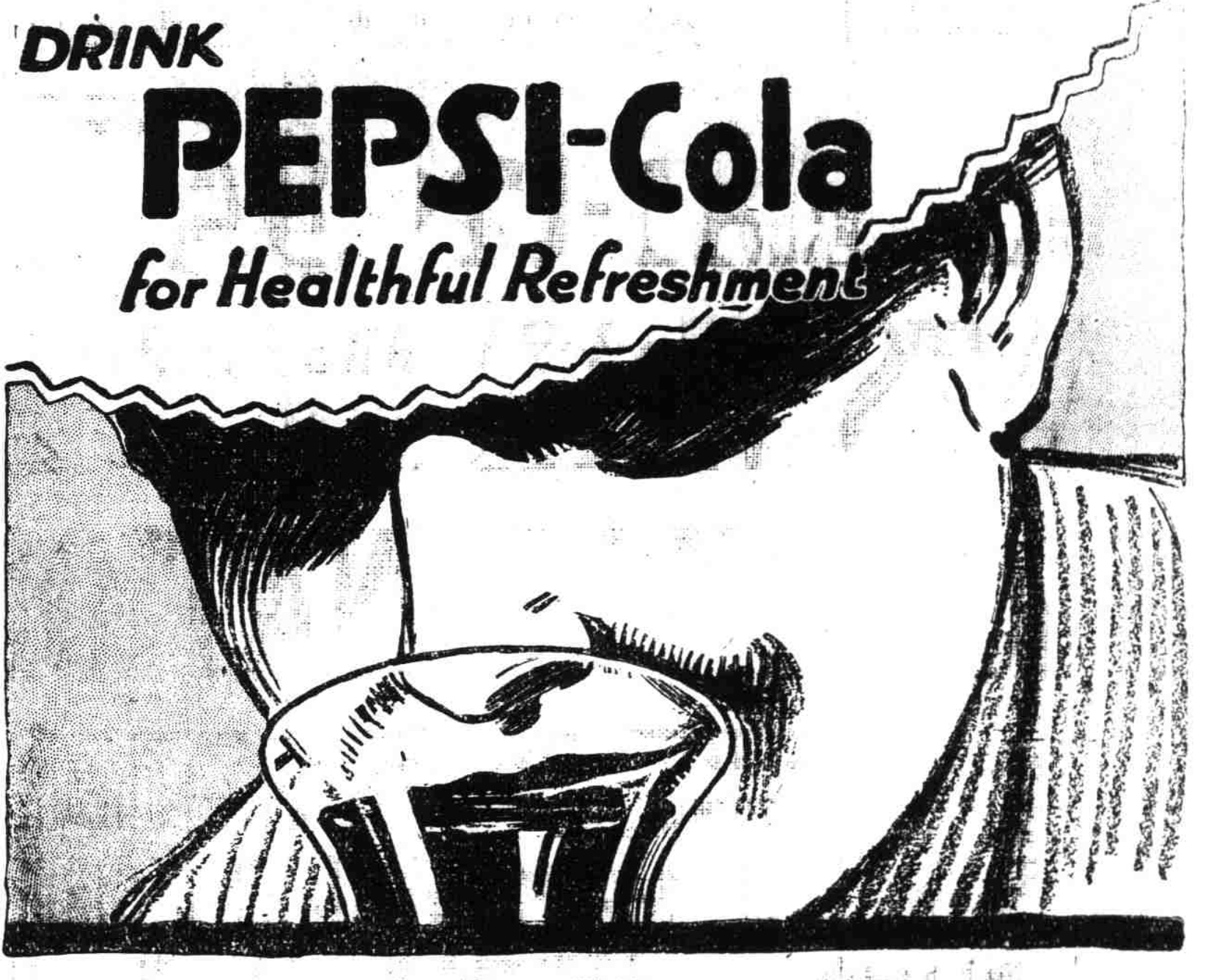
## Office Fag—

hot—sultry—sticky days bear down and interfere with the vim and vigor—your work lacks snap—drink a glass of PEPSI-Cola and see the difference. You will work better—feel better and wind up with a spurt of speed.

Be your own judge! There is no substitute for PEPSI-Cola—resent the suggestion.

Fine for the kiddies, too—get from the grocer a crate for your ice-box. Or at all founts.

**Why you should drink PEPSI-Cola**  
 Pure cane sugar, carbonated spring water, fruit juices, acid phosphate and flavoring—that's PEPSI-Cola. No mystery in its recipe; just a proper blending of ingredients—a delightful, wholesome beverage, as beneficial as it is refreshing, as invigorating as it is thirst-quenching. Some people call it a "Liquid Cortisone"! It is the kind of drink you would make at home—if you could!



tabernacle which was erected for him uptown in Manhattan. The hymn, "Brighten the Corner Where You Are," was sung by hundreds of people who crowded into the building twice every day. And, upon careful investigation, I find that Mr. Sunday generally uses this song in his evangelistic work. What an inspiring motto that is—just our own little corner—not the whole large world, teeming with many who would scoff and suspect the motive which lay behind our effort, but our own tiny corner.

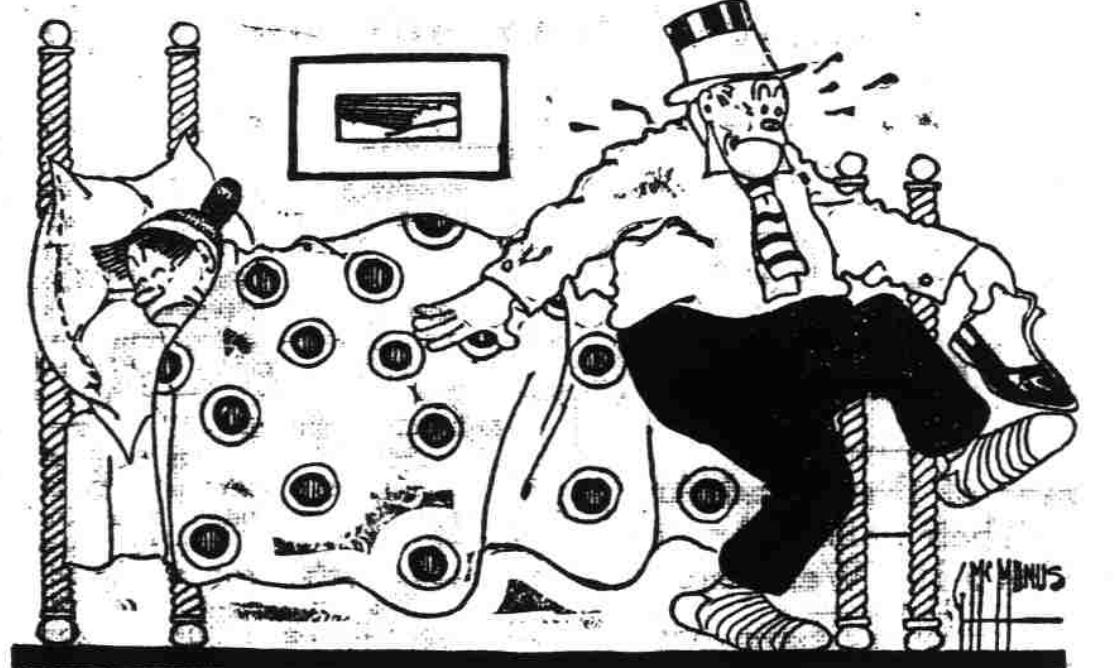
The very thought of bettering the whole world is so overpowering that it retards us in our very purpose, but if every one of us would brighten our own corner the result would be the accomplishment of the believed impossible. The whole world is better and brighter for our combined efforts. Somehow I must admire Billy Sunday, and his choice of the little song proves how well he knows human nature. He must realize that the best of us are weak and half-hearted when our task seems great and difficult. So he has chosen a song which gives us an easy task—such an easy task, in fact, that it would be a pity to fail, wouldn't it?

Let us start before we are one minute older to brighten our corner. At first it will be hard, but after a while we will grow so absorbed and happy in our task that it will become a genuine pleasure, and then think of the sweet content when success is finally ours!

**Largest Class at Ohio State.**  
 Columbus, Ohio, June 5.—At today's commencement at Ohio State University nearly one thousand graduates received diplomas, the largest number in the history of the institution. The college of Agriculture ranked highest with 220 men and 65 women graduates.

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