

CORN WEEVILS AND OTHER GRAIN INSECTS AND PREVENTIVE MEASURES

Mr. R. I. Smith, Entomologist, of the North Carolina Agriculture Experiment Station, Discusses the Injury Destructive Insects Do, in Bulletin No. 203.

THE FARMERS SHOULD READ

Like practically all agricultural products, corn and other grains are subject to the attack of numerous destructive insects, some of them commencing their depredations in the ripening grain in the fields, while others abide solely in the barns, store rooms or cribs where the grain is stored.

rate knowledge of the various grain pests, and to caution them to use preventive measures wherever possible, and partly to explain the limitations in the use of carbon bisulphide for fumigation of infested grain.

The actual loss occasioned by insects in whole grain and the various stock foods cannot be accurately estimated; the grain is not only reduced in weight and consequently selling value; but is often rendered wholly unfit for human food and less valuable as food for live stock.

As an example of the extent of the injury caused by grain insects, a consideration of the value of the grain crop will be of interest. The corn crop for North Carolina in 1968 was valued at \$39,631,000 and the wheat crop at \$6,078,000, a combined total of \$45,709,000.

The list of really injurious species of insects attacking stored grain, and the principal feed stuffs manufactured therefrom, number twenty and upwards. There are two true weevils and at least one dozen other forms known as beetles in their adult stage, while we find six common and injurious species whose parents are moths.

and conspicuous of this number are described in the pages following. The principal damage to whole grains is caused by the rice or black weevil and the angoumois grain moth or fly weevil, but the others mentioned are frequently present in destructive numbers.

For the reader who is not familiar with the grain insects, the statements concerning the life-history of each will help to show the importance of this subject. It is not always realized how rapidly these insects—the true weevil, for example—may increase in numbers under favorable conditions, nor is it known by all that grain may become infested in the field before harvest.

Some species, like the rice weevil, angoumois grain moth, saw-tooth grain beetle and a few other small grain beetles are usually found in ripening grain, particularly corn. As a general rule, grain is partially matured, or at least nearly grown, before it is attacked by insects, which of course come from the places in which the grain is stored during the winter.

The scene was one of terror, desolation and death. Stunned by the damage that was wrought by winds and waves, the work of relief did not give the people time to mourn. All energies were bent for the remainder of the week in the task of rescuing those still in peril and succoring those who had suffered in the storm.

Concerning corn particularly, the tight husk offers much protection, and in the field the angoumois grain moth or rice weevil would be excluded almost completely from ears with a husk fitting tightly over the end, were it not for the corn ear-worm, which frequently makes entrance and exit holes, that furnish easy entrance for the grain moths or beetles.

The ideal place to store grain is in a special building separated from the barns, but when the grain must be stored in the latter place all old infested grain should be used before the new crop is housed, and precautions should be taken to guard against leaving heaps of waste corn, or other material in which the grain insects may be feeding.

All the grain moths are nocturnal in habits and may be attracted to a light. By placing in the corn cribs wide shallow pans containing a little kerosene, with a lantern suspended just above or set in the middle, hundreds of moths may be trapped. They will fly to the light and fall into the pan, and even if they escape against the kerosene will kill themselves.

STORM RESULTS JUST REALIZED IN LOUISIANA

Entire State Mourns

Appeals Are Now Being Made to the Entire Country for Aid for Relief of the Sufferers From Recent Storm.

New Orleans, Sept. 28.—A week ago today the white-winged seagulls, flying wildly inland from the Gulf, gave warning with their screams of the approach of the much-dreaded West Indian hurricane.

Along the entire coast were countless happy fishermen and sailors, their thousands of trim craft and comfortable homes bearing token of the advent of a prosperous season.

Today vast flocks of vultures hovered over the devastated lowlands of Southern Louisiana, strewn with innumerable carcasses of animals and men.

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Entertains in Honor of Miss Hargrove

A small bridge party was given last night by Miss Mary B. Hoyt at the residence of Mrs. T. H. Myers, on East Main street, in honor of Miss Willie Hargrove. Those invited were Misses Willie Hargrove, Janie Myers, Pennie Myers, Tillie Morton, Marola Myers, Mary Hoyt and Sallie Myers; Mesdames Tom Clark, Dan Packard and O'Kelly Myers; Messrs. John G. Bragaw, Jr., and O'Kelly Myers. Nut and celery salad was served in pink paper heart cups with cheese and salted wafers, followed by wine jelly in yellow chrysanthemum cups with small cakes.

BIG PAGEANT IS VIEWED BY MILLIONS

A Historical Parade

Today Was Perhaps the Biggest Day of the Great Hudson-Fulton Celebration—New York's History Vividly Pictured.

New York, Sept. 28.—Gotham had the opportunity today of seeing practically the whole of her history unrolled before her own eyes in living portraiture and brilliant symbolic display. It was the day of the historical parade in connection with the Hudson-Fulton festivities and, perhaps, the biggest day of the entire celebration.

The pageant with its sixty floats and thousands of men and women in costume, formed at Central Park West and 110th street and marched down Central Park West to Fifty-ninth street, across Fifty-ninth street to Fifth avenue and down Fifth avenue to Washington Square.

The spectators filled the windows, house-tops and every point of vantage along the entire route. Ten great reviewing stands were located at prominent street intersections for the accommodation of State and city officials and other guests.

Through the long chain of events the pageant made its way in a wealth of color. The first car of the parade was one representing the Empire State. Following this car came the nine floats of the first division, bearing the following titles: "Hiawatha," "The Five Nations," "The First Sachem of the Iroquois," "Season of Blossoms," "Season of Fruits," "Season of Hunting," "Season of Snows" and "Indian War Dance."

Then followed a section representing the Dutch period. There were floats showing the discovery of the Hudson river, the fate of Henry Hudson, the first vessel of Manhattan, the purchase of Manhattan, the reception of Stuyvesant, bowling on Bowling Green, Gor. Leisler and the Huguenots and "St. Nicholas."

From this time on events moved rapidly. It was not long before the spectators saw Washington, Lafayette, Robert Fulton and others, in the various scenes of their patriotic activities. They saw the capture of Andre, Washington taking the oath of office, the storming of Stony Point, the reception of Lafayette, Garibaldi's home on Staten Island, the Statue of Liberty, and "Father Knickerbocker Receiving."

Interposed with the floats were delegations of marchers from the Irish, French, Danish, Norwegian, Italian, Scotch, German and Syrian societies of Greater New York. The pageant was a success in every particular. It had been carefully planned and as carefully carried out. Historians, students and artists had given their services freely and the whole had been prepared at city expense.

A Huge Bear is Captured

Mr. John B. Peary, who resides about seven miles west Washington, succeeded in killing a huge black bear this morning near his home. The bear was six and a half feet long, three feet high and weighed 250 pounds. He was caught in a box trap. After he had been dressed he was brought to the market for sale and attracted a great crowd of spectators.

AN EXPLOSION INJURES MANY IN PITTSBURG

No Lives Were Lost

The Streets Shaken and From Fifty to Seventy-Five People Hurt, Some Seriously—Damage About \$200,000.

Pittsburg, Sept. 28.—A terrific explosion occurred today in the offices of the Columbia Film exchange, located in the Ferguson building, between Smithfield and Wood streets, in the heart of the downtown district.

From fifty to seventy-five persons were injured, many of them seriously, and the monetary damage is estimated at \$200,000 or more. At first it was believed seven employees of the film company had lost their lives, but a thorough search of the ruins failed to disclose any dead.

The force of the explosion was so great that the south wall of the Ferguson building, on Third avenue, was blown away. The remaining walls were badly damaged, and the building inspector immediately ordered them razed. Windows for fully a square on either side of the explosion were broken and a number of pedestrians making their way along Fourth avenue, the "Wall Street" of Pittsburg, were cut by falling glass.

Shortly before 3 o'clock all the employees of the film company had been located. John K. Jillett, shipping clerk, made a statement in which he said the explosion occurred in the vault. Jillett said he went into the vault, which is three feet wide and sixteen feet high, to get a film. When he turned the electric light on, a spark shot from the switch and ignited one of the films.

People Tired With Peary and Cook

New York, Sept. 28.—The controversy between Peary and Cook, of which a vast majority of the people are more than tired, may be carried into a sphere already supercharged with controversies of all kinds, from mere minor squabbles as to certain details of the arrangements to actual appeals to the mighty powers of the law.

It is still doubtful what the final solution of the problem will be, but there is a growing sentiment in favor of the plan to keep both claimants out of the pageant. So far neither one of them has given tangible proof of his claims and, until the matter has been finally adjudicated by some competent tribunal, the world is justified in looking upon both claimants with suspicion.

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CHILDREN WERE THROWN INTO PANIC BY BLACK HAND STORY

Polish Pupils Stampeded by Fireworks in the Streets, and Could Not Be Controlled by Teachers—Fourteen Hurt in the Crush, One Fatally.

MADE MAD RUSH FOR DOORS

New York, Sept. 28.—Terrorized by black hand stories, 1,000 children stampeded in a Polish parochial school in Jersey City today when fireworks were set off in the street below. And in the mad rush for the doors, fourteen were crushed, one seriously that death probably will result.

The fatally injured child is Marianna Zelachsky, 7 years old. The others comprise five little girls and eight boys, all ranging from seven to ten years in age. All are in Jersey City hospitals, but it is believed that all will recover.

The schoolhouse, a three-story brick building, is a stone's throw from an Italian church, which had obtained a permit to set off fireworks during a church celebration today. A rumor got out last week among the children in lower Jersey City schools that threats had been made to blow up the schools with dynamite.

The children of St. Anthony's school have been particularly nervous about it, and when the bombs went off suddenly today they ran shrieking from their recitation rooms into the halls and down the stairways. There are two street doorways, but one of them was closed. At the closed entrance there occurred a disastrous jam. Here several of the smaller children were trampled into unconsciousness; while others ran back to the building and sprang through windows fifteen feet to an araway below.

Police officers, attracted by the cries, rushed to the scene, but order was not restored until fourteen children had been seriously hurt. A report spread quickly that there were eight dead and hundreds of mothers mingled in the crowd outside the building, moaning, weeping and adding to the general confusion. This is not the first riot of its kind in Jersey City, as the children of the foreign element are constantly in fear of the "black hand."

EARTHQUAKE IN ST. LOUIS

The City Considerably Shaken by Seismic Disturbances—No Serious Damage.

St. Louis, Sept. 28.—An earthquake tremor in every quarter of St. Louis and which awakened scores of citizens was plainly evident at 3:45 this morning. The shock was most severe in the west end where there were two tremors reported the first being plainly felt and the rocking of every building, the second less in intensity. In the downtown section the major shock rocked the larger buildings. At the Union Station the shock caused travelers to move quickly out of the structure. The fire alarm service was also disturbed by the shock. No serious damage has however been reported.

Many Attend Old Ford Picnic

Quite a large number of Washington people went to Old Ford today to hear Hon. J. Y. Joyner, the State Superintendent of Public Instruction, speak and also to attend the picnic given by the good ladies of Old Ford and Washington township. It is needless for the News to state that every one present enjoyed themselves. A fuller account of the day will be published in the Daily News tomorrow.

Mr. Joyner will address the citizens of Aurora this evening, Edward and Small tomorrow. Bath will entertain Mr. Joyner on Thursday. A big picnic will be given.

A PLEASANT BIRTHDAY PARTY

Little Miss Marjorie Blount Hoyt at Home to Her Many Playmates and Friends.

Sweet little Miss Marjorie Blount Hoyt, daughter of Mr. and Mrs. John K. Hoyt, was the hostess yesterday afternoon to her many playmates and friends at her home, corner of Second and Bridge streets. The occasion was the celebration of her sixth natal day.

No social function of the season among the juvenile set carried with it more pleasure and merriment and Miss Marjorie was extended a vote of thanks for such an enjoyable afternoon. She did the honors of hostess most charmingly, and all present wished for her many happy returns of her birthday. Misses Katie Bragaw and Beale Conley entertained the little ones with many games and served the refreshments. The following were present: Theodore Rodman, Frances Leach, Elizabeth Respass, Mamie Latham Richardson, Sarah Lilly Susman, Bertha Susman, Frank K. Kugler, Jack Oden, Eleanor Berry, Edward Long Mayo, Gus Bowlers, Jr., Jesse McCullen, Jack Meekins, Angus Maclean, Jr., Augusta Simmons Clark, Mary Bridgman Little, Charles Brown, Jr., Lenora Blount, Lonnie Thomason, N. S. Fulford, Jr., Alice Fulford, Athalia Taylor, Sallie Bright, Robert Hodges, Ethel Nixon, Isabel Warren, George Studdert, Carter Studdert, Rufus Carter, Bryan Grimes, Minnie Fields, Jud Paul, Edmund Hoyt, Aileen Rumley, Margaret Handy, John Handy, Marion Latham, Kathleen Latham, Annie Thomas Archbell, Dorothy Blount, Dorothy Brown, Harriet Brown, Grace Jones, Shelton Moore, Christine Baughman, John Havens Moss, Margaret Bragaw.

TO ATTEND CONVENTION. Postmaster Hugh Paul expects to leave tomorrow for Raleigh to attend the Postmaster's Convention. He will be absent several days.

MILLINERY OPENING. Jas. E. Clark Co. will have their fall and winter millinery opening next Friday, October 1.

STEAM TUG GOES TO BOTTOM

During the high wind yesterday morning the steam tug belonging to Captain Jackson, sank at the wharf of the Moore Lumber Company, East Main street. About 20 minutes before the accident happened the boat was found to be alright. It is surmised that a hole was knocked in her by a plank, causing her to sink. She is being pumped and raised this morning.

New Advertisements in Today's News.

E. W. Ayers—Millinery Opening Continues. A. G. Smith & Co.—Hat Pins Given Away. Smith Jones—Man Wanted. Hardy's Drug Store—Carriage and Bath Sponges. Jas. E. Clark Co.—Millinery Opening. Wm. Bragaw & Co.—Cotton Seed Wanted. Wright's Tailoring Parlor—Fall Suits. Russell Supply Co.—Buggies, Carriages, Etc.