

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.

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 1908 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.

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.

It has often been observed that unhusked corn is less liable to weevil injury, and this is true with varieties that have a tight-fitting husk, when not too badly injured by the ear-worm.

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.

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. As it cannot be hoped to kill all the insects in stored grains and thus prevent their going to the fields, an effort must be made to prevent them from getting back again in the new grain.

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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 again the kerosene will kill them.

Various substances have been tried for sprinkling over grain in storage.

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 sailormen, their thousands of trim craft and comfortable homes bearing token of the advent of a prosperous season.

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.

Today Louisiana found time to weep. Closely refraining from all forms of mirth, the people of the State, irrespective of creed, adhered closely to the following injunction from Archbishop Bleek:

"The loss of human lives and the widespread destruction of property in this archdiocese through the recent hurricane have given rise to so much sorrow and distress that any social function would at the present time be entirely out of keeping with the sad surroundings.

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.

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.

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, housetops 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 spectators.

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."

People Tired With Peary and Cook

A Huge Bear is Captured

Mr. John B. Peary, who resides about seven miles west of Washington, succeeded in killing a huge black bear this morning near his home.

AN EXPLOSION IN PITTSBURG

Injures Many

No Lives Were Lost

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.

Practically every office in the big building was damaged. Panic-stricken occupants made a wild rush for the exits. Men and women ran screaming from pain and fright, many of them falling down the stairs.

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.

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.—Terrorified 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 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.

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 intensely.

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.

Boy Badly Burned

The Six-year-old son of Mr. and Mrs. Ira C. Congleton, who reside on East Second street, while playing with matches this afternoon, set his clothing on fire and was painfully and severely burned on the abdomen.

Stream 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.