

African Cereal Stem Borers

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African Cereal Stem Borers

An assemblage of approximately 20 moth species belonging to the families Crambidae, Pyralidae and Noctuidae constitute the most important cereal pests in many parts of Africa. The caterpillars of these moths bore into the stems of maize, sorghum, millet and rice, often killing the plant, and are commonly known as stem or stalk borers. The cereals attacked are grown by smallholders to feed themselves and their families and are of great importance as the staple food for the population in most ...

Amazon.com: African Cereal Stem Borers: Economic ...

Cereal Stemborers Cereal stem borers. Cereal crops are grown by resource-poor farmers throughout sub-Saharan Africa. Maize is the most... Monitoring of cereal stemborers. Stem borers were monitored at Cedara (KwaZulu-Natal Province), Delmas (Mpumalanga... Displacement of Busseola fusca by Chilo ...

Cereal Stemborers - Agricultural Research Council

The stem borers found on cereal crops in Africa are mainly lepidopterans and dipterans. Cereal crops such as rice, sorghum, maize, sugarcane and pearl millet suffer from the attack of stem borers. The larval stage constitutes the most damaging developmental stage of the pest.

Stem Borers of Cereal Crops in Africa and Their Management ...

An assemblage of approximately 20 moth species belonging to the families Crambidae, Pyralidae and Noctuidae constitute the most important cereal pests in many parts of Africa. The caterpillars of...

African Cereal Stem Borers: Economic Importance, Taxonomy ...

Duerdon, J. C. (1953) Stem borers of cereal crops at Kongwa, Tanganyika, 1950-52. East Afr. Agric. For. J. 19, 105 - 119.

Natural Control of the Cereal Stemborers Busseola Fusca ...

Kishore (1989) reviewed recent research and recommendations for chemical control of stem borers on sorghum and maize in India and South Africa and concluded that control can be achieved by applications of granules or dusts to the leaf whorl early in crop growth to kill early larval instars. This method reduces pollution and limits harmful effects on non-target organisms.

Chilo partellus (spotted stem borer)

Potential new pests in the neighbourhood: diversity and abundance of sugarcane stem borers in the Pondoland region of the Eastern Cape Province of South Africa.

Busseola fusca (African maize stalk borer)

Cereals (maize, sorghum, millet, rice) are extremely important crops grown in Africa for human consumption. Of the various insect pests attacking cereal crops in Africa, lepidopteran stem borers...

(PDF) Biology and Management of Economically Important ...

Melaku Wale, Fritz Schulthess, Eunice W. Kainu, Charles O. Omwega, Distribution and relative importance of cereal stem borers and their natural enemies in the semi-arid and cool-wet ecozones of the Amhara State of Ethiopia, Annales de la Société entomologique de France (N.S.), 10.1080/00379271.2006.10697471. 42, 3-4, (389-402), (2013).

The effect of stem and cob borers on maize subjected to ...

Abstract. Abstract Cereals (maize, sorghum, millet, rice) are extremely important crops grown in Africa for human consumption. Of the various insect pests attacking cereal crops in Africa, lepidopteran stem borers are by far the most injurious. All 21 economically important stem borers of cultivated grasses in Africa are indigenous except Chilo partellus, which invaded the continent from India, and C. sacchariphagus, which has recently been found in sugarcane in Mozambique.

Biology and Management of Economically Important ...

Cereals (maize, sorghum, millet, rice) are extremely important crops grown in Africa for human consumption. Of the various insect pests attacking cereal crops in Africa, lepidopteran stem borers are by far the most injurious.

Biology and management of economically important ...

Four rice stem borer species reported to infest rice crop in Tanzania includes the white stem borer, Maliarpha sepearatella Ragonot, African pink borer, Sesamia calamistis Hamson, spotted stem borer, Chilo partellus Swinhoe and stalk-eyed fly, Diopsis thoracica Westwood.

Rice stem borer species in Tanzania: a review | The ...

The noctuids Busseola fusca and Sesamia calamistis and the pyraloids Chilo partellus, Chilo orichalcociliellus and Eldana saccharina are the most important stemborers of maize in East Africa.

Natural Enemies of Cereal Stemborers in East Africa: a ...

A complex of about 20 moths belonging to the families Crambidae, Noctuidae and Pyralidae are the most damaging pests of cereals in many parts of Africa. The caterpillars bore into the stems of maize, sorghum, millet and rice, often killing the plant, and are commonly known as stem borers or stalk borers.

African Cereal Stem Borers: Amazon.co.uk: Polaszek, Andrew ...

Natural control of the cereal stem borers Busseola Fusca & Chilo Partellus in South Africa. Insect Science and its Application 17: 61-68.

Biological Control of Cereal Stemborers Busseola fusca and ...

Cotesia sesamiae(Cameron) and C. flavipesCameron (Hymenoptera: Braconidae) were the key parasitoids in cultivated habitats (both species accounted for 76.4% of parasitized stem borers in cereal crops), but not in natural habitats (the two Cotesiaspecies accounted for 14.5% of parasitized stem borers in wild host plants).

Parasitism of Lepidopterous Stem Borers in Cultivated and ...

The spotted stem borer is one of the most important stem borers in East and Southern Africa. This pest is not native to Africa, but was accidentally introduced from Asia. It is essentially a pest of hot lowland areas, and it is seldom found above an altitude of 1500 m.

Spotted stemborer | Infonet Biovision Home

southern Africa, the most damaging cereal borers are C. partellus, particularly in warmer lowland areas (Nye 1960), and B. fusca (Overholt et al. 1994). Habitat management strategies, in which available natural resources such as wild hosts and non-host plants of stem borers are used against indigenous stem borer species, can in-

Role of Habitat Management Technologies in the Control of ...

Of the various insect pests attacking cereal crops in Africa, lepidopteran stem borers are by far the most injurious. All 21 eco- nomically important stem borers of cultivated grasses in Africa are indigenous except Chilo partellus, which invaded the continent from India, and C. sacchariphagus, which has recently been found in sugarcane in Mozambique.