

Тема: RE: PHYTOSANITARY REQUIREMENT FOR FUMIGATION OF GRAINS USING ALUMINIUM PHOSPHIDE

От: Felicia Ansah-Amprofi <fampronge@yahoo.com>

Дата: 13.11.2019, 13:12

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Копия: Prudence Attipoe <tonattipoe@yahoo.co.uk>

Dear Sir,

Greetings from Ghana. Please find attached a letter on the above mentioned subject for your information and necessary action

Best Regards

Dr. Felicia Ansah-Amprofi (Mrs.)

Director

Plant Protection & Reg. Serv. Directorate

Ministry of Food & Agriculture

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— Вложения: —

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MINISTRY OF FOOD AND AGRICULTURE
PLANT PROTECTION & REGULATORY SERVICES DIRECTORATE

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Republic of Ghana

Peeenydu'ia Paana

P.O. Box M 37

Accra

Date: 22nd October, 2019

The Manager
Colffum-Invest Limited
Ukraine

Attn: Oksana Tkachuk

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RE: PHYTOSANITARY REQUIREMENT FOR FUMIGATION OF
GRAINS USING ALUMINIUM PHOSPHIDE

The Plant Protection and Regulatory Services Directorate (PPRSD) is the National Plant Protection Organization (NPPO) of Ghana under the Ministry of Food and Agriculture (MOFA).

The Directorate (PPRSD) approve the use of Aluminum phosphide for fumigation as an effective method of pest control that distributes fumigants to exterminate pests in an enclose space sealed to keep the gas at required concentration for appropriate time to prevent gas escaping to areas that are not being treated. The fumigant (Aluminum phosphide) is a cheap solid and highly toxic pesticide commonly used in Ghana for dried grains and stored product.

The Units of concentration of Aluminum phosphide are usually grams per meter (3g/m), milligram per liter (mg/l) or parts per million (ppm) which describes the volumes of fumigants gas per million volumes of air at temperatures maintained between 15 and 35 degrees Celsius for up to 7-8days to kill all life stages of target pests in dry grains, ideally with moisture content of 12-13%.

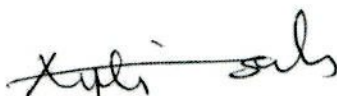
The toxicity of the Aluminum phosphide to insect declines as the temperature falls to 5 degree Celsius, so that larger exposure time is required for it to exert its effect. It is not recommended for use below 5 degree Celsius. The exposure time cannot be shortened by increasing the dosage.

The various types of fumigation being used are: Chamber fumigation, Vacuum fumigation (rail road car, truck or van), Tarpaulin fumigation, Shipboard in transit ship fumigation, Farm grain storage fumigation etc.

Notwithstanding, where sacks are to be used for fumigation of grains, one has to ensure that polythene lining are inserted into the sack to make it air tight, before filling with grains. Then inserting two tablets of Aluminum phosphide wrapped in cotton wool and also tired loosely with cotton lining per sack of grains weighing 100kg is to prevent contamination of grains with the by-product of the fumigant after treatment and has to be removed from the treated grains for appropriate disposal.

It is our hope that this information will be useful in implementing the needed phytosanitary requirements on fumigation with Aluminum phosphide to achieve the desired result for the treatment of grains.

Thank you.



Dr. Felicia Ansah-Amprofi (Mrs.)

Director

Plant Protection and Regulatory Services Directorate