

A quality tablet for fumigation against storage pests, burrow pests and for space fumigation of packed foods and feeds, non-food items stacked under gas-tight covers or enclosures and of empty enclosures eg. flour mills, warehouses, shipping containers etc.

Active ingredient:	Aluminum phosphide (57% w/w)
Formulation:	Tablet, weighing 3 gms
Registration No:	PCPB (CR) 0379
Mode of action:	On exposure to moisture in the air, Celphos tablets slowly release phosphine gas which when inhaled result into instant death of the pests
Spectrum of control:	Celphos controls a wide range of storage pests (coleoptera, Lepidoptera, Dictyoptera and psocoptera)

RECOMMENDATION:

TYPE OF FUMIGATION AGAINST STORAGE PEST	DOSAGE	EXPOSURE
1. Bulk grain in silos, large bins and similar vertical storage.	2-4 tablets (3g) per tonne	Long periods typical eg. 8-10 days.
2. Bulk grain and raw commodities in flat storage i.e. in shallow bins, barges, ship bulkheads or in bags under gas-tight covers or enclosures.	3-5 tablets (3g) per tonne	Minimum 120-168 hrs at 10°C-15°C, 96-120 hrs at 16°C-20°C, 72-96 hrs above 20°C
3. Space fumigation, of packed foods and feeds, non-food items stacked under gas tight covers or enclosures. NOTE: leaf tobacco (in bales, cases, hogsheads)	1-1.5 tablets (3g) per cubic metre. 0.5-1.0 (Maximum) tablets (3g) per cubic metre	Minimum 120-168 hrs at 10°C-15°C, 96-120 hrs at 16°C-20°C, 72-96 hrs above 20°C Minimum 160 hrs at 10°C-15°C, 120hrs at 16°C-20°C, 96 hrs above 20°C. Longer periods eg. 8 days preferable.
4. Space fumigation of empty enclosures eg. flour mills, warehouses, shipping containers etc.	0.5-1.0 tablets (3g) per cubic metre	Minimum 120-160 hrs at 10°C-15°C, 96-120hrs at 16°C-20°C, 72-96 hrs above 20°C.
5. Burrow fumigation	Insert 1 tablet (3g) deep into each hole and close opening with balls of wet paper or wet mud.	24 hrs (leave overnight)

Remarks Application rate of Celphos as well as exposure time required for pest control will depend on the pests to be controlled, commodity temperature and humidity

MAIN ADANTAGES

- * Carefully formulated to enable initial release at very controlled rates to afford maximum safety interval of 1-4 hours to operators dispensing the tablets.
- * Celphos is not photosensitive
- * Celphos (Aluminum phosphide) does not decompose in temperatures as high as 1000°C under dry conditions.

AVAILABLE PACKS: 1kg tins containing 333 tablets

HANDLING PRECAUTIONS: Phosphine gas is very toxic hence Celphos to be handled only by **licensed pest control operators** (PCO). Harmful in case of skin contact, ingestion and inhalation, wear protective gear when handling this product.

ENVIRONMENT AND WILDLIFE: Non Toxic to fish and other aquatic organisms. Sweep and do not contaminate water, food or feedstuff. Collect spilled materials without making dust and file in PVC/ poly ethylene bag.

FIRST AID INSTRUCTIONS

If inhaled, remove the patient to fresh air in case the symptoms are mild. If symptoms are severe, call a physician but meanwhile give artificial respiration.

If swallowed, induce vomiting by giving a table spoon of salt in a glass of warm water. Repeat the treatment until vomit fluid is clear. Milk of magnesia or beaten whites of 2-3 eggs may be given.



LEADERS IN CROP PROTECTION

Celphos® is the trademark of Excel Crop Care Limited.