

1. PRODUCT NAME

General Grain Beetle Attractant

2. PRODUCT CODE

10588

3. PRODUCT DESCRIPTION

A Manufactured lure for general stored grain beetles

Dispenser	Pad
Material	Cellulose
Packaging	Individually Sachet Packed
Sachet Material	Foil Lined Laminate

4. RECOMMENDATIONS FOR USE

Species Name

General Stored Grain Beetle Attractant

Attractant effective for the monitoring of a range of stored product beetle pests including *Sitophilus oryzae*, *Oryzaephilus surinamensis*, *Rhyzopertha dominica*, *Cryptolestes spp.* and *Tribolium spp*

Pest Status

Left unchecked, these beetles can quickly render stored grains unmarketable. Monitoring in stored grains and empty storage areas is hampered by the lack of an effective general attractant for the variety of beetle pests known to cause problems. The pheromones for many of these are available but often very expensive and difficult to source, and even if available, would be difficult to use because of the large number of different pests which can cause problems. Empty stores often currently monitored by using bait bags comprising a mix of different beetle foods. These work well but these act as a food source for the beetles, are cumbersome and risk contaminating the grains to be protected. The General Grain Beetle attractant improves trapping efficiency in stored grain and replaces the bait bags in empty stores.

Generations

The number of generations will depend on the pest species and season.

Trap

The Trappit Pitfall trap is recommended for stored grains (see separate instructions). In empty stores the attractant is best used in sticky traps.

Trapping Season

All year round depending on when grains are stored or, in the case of empty stores, when storage is planned so that monitoring can be carried out in advance.

Preparation of Trap / Trap Placement

Stored grain beetles are not very mobile so the higher the density of traps the more reliable will be the monitoring results. For the Pitfall trap, traps should be placed in pairs approximately 0.5metre apart with

one with the lid level with the surface of the stored product and one about 20 – 30cm below the surface. This ensures that both burrowing and non-burrowing pests are detected. Pairs of traps should be laid out in a regular pattern over the stored grain with about 5 metres between pairs.

In empty stores sticky traps should be placed at 5 metres intervals around the wall of the store or where grain residues and insects are likely to accumulate.

Change of Lures and Trap Servicing

Lures should be changed every 4 to 6 weeks. Remove lures from their hermetic sachet and place in the bottom of the pitfall trap or centrally on the glue area of the sticky trap.

Observations and Data Recording

All traps should be coded and their location mapped. Catches should be recorded at regular intervals (weekly is recommended). Record the trap catch on a trap record sheet.

NOTE

To avoid affecting the efficiency of the trapping system it is strongly recommended that traps be used for only the one species. Never use the lures for other species in this trap.

Storage and Handling Recommendations

The dispensers from Agrisense are supplied in labelled and batch coded vapour proof sachets. The dispensers are provided either separately or as components of monitoring systems inside system boxes together with the appropriate trap. The dispensers and systems should be kept under good storage conditions at below 15°C. Kept under these conditions the dispensers and systems will retain their activity and attractancy for a minimum of 12 months. Bulk storage of dispensers for periods of up to 18 months is possible by refrigeration at temperatures of 4°C or below. We do not recommend storing dispensers for more than this time even in a refrigerator. Agrisense dispensers have a known and declared period of activity after opening of the sachet. After this time the expired dispenser should be renewed. The old dispenser should be completely removed from the area of use and destroyed to prevent interference with the fresh replacement/ recharge dispenser.

FOR SAFETY, ENVIRONMENTAL AND DISPOSAL DETAILS SEE THE CORRESPONDING SAFETY DATA SHEET