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# Technical Information Bulletin

## Trelona® and Advance® termite baiting and flooding

This bulletin addresses the maintenance of **Trelona** Termite Baiting and the **Advance** Termite Baiting System (**ATBS**®) under flooding conditions.

### Product recommendations for areas flooded by salt water (storm surge):

#### Stations currently installed:

- Discard and replace the termite monitoring bases (TMBs), termite inspection cartridges (TICs) or termite bait cartridges (TBCs) affected by salt water with new components. Discard TBCs according to label directions.
- Unless damaged or inaccessible, stations do not have to be replaced.

#### Stations/components held in inventory:

- For stations in storage, unpack stations, remove internal components, rinse stations with fresh water, air dry and replace the TMBs, TICs or TBCs with new components. Repack in clean packaging.
- TMB inventory affected by salt water should be discarded and replaced with new TMBs.
- For TICs and TBCs sealed in individual plastic packaging, inspect the integrity of the packaging, rinse with fresh water, air dry and store for use.
- TBCs and product boxes containing **Trelona** must have an affixed container label. If label is missing from a TBC or a box, replace TBC or affix new label to product box.

### Product recommendations for areas flooded by fresh water (domestic water, rainfall, lakes and streams)

#### Stations currently installed:

- Typically, fresh water flooding will not adversely affect Trelona TBCs or ATBS stations.
- Inspect the TMBs, TICs and/or TBCs for signs of mold or decay and replace as needed.
- It is recommended when stations have been flooded for 14 days or more to replace the TBCs.
- **ATBS** stations do not need replacing unless they are damaged or inaccessible.

#### Stations/components held in inventory:

- For stations in storage, unpack stations, remove the TMBs, TICs or TBCs and air dry. After drying, place the components back in the station. Due to the water-holding capacity of TICs and TBCs, it may be necessary to discard these components and replace them. Repack in clean packaging.
- Air dry TMB inventory before repacking.
- Inspect the integrity of the outer plastic packaging and rinse with clean water. Allow impacted TICs and TMBs to air dry and repack as needed.
- TBCs and product boxes containing **Trelona** must have an affixed container label. If label is missing from a TBC or a box, replace TBC or affix new label to product box.

**Q Do ATBS® stations that are inaccessible or missing have to be replaced?**

**A** When stations cannot be located because they have been covered or physically moved, they should be replaced to reestablish station spacing intervals that are consistent with the label.

**Q How will novaluron, the active ingredient in Trelona®, react in severe flooding situations?**

**A** Novaluron, the active ingredient in the termite bait cartridge (TBC), is a chitin synthesis inhibitor that works primarily by inhibiting the normal molting cycle of insects. The water solubility (0.95 mg/L) is low and the bait matrix typically stays in the cartridge.

**Q What is likely to happen to termite populations in flooding affected areas?**

**A** There are limited scientific data available that measure or determine the impact of flooding on termite activity or populations, nor how termite activity may rebound over time. Forschler & Henderson (1995)\* recorded increased mortality of termite populations with flooding events that lasted 10 hours or more. However, all populations were not eliminated and were present for rebounding post flooding.

**Q We have Formosan termites in our area. How may extensive flooding and damage affect Formosan termites and their distribution?**

**A** Formosan termites may end up being more widespread in these areas because of the immediate destructive and dispersing nature of storms. Termites may also be moved by human activity such as ongoing and pending clean up, removal of infested trees, transport of infested mulches, chippings, etc, and removal of infested buildings and building components. Many of these items may end up in landfills, ditches, pastures, countryside areas, swamps, etc. As a consequence of this, Formosan termite pressure may be more widespread and in time more severe. Native termites may also be spread in this manner.

**If you have further questions, please contact your BASF Sales Representative or Technical Services Representative or visit: [pestcontrol.basf.us](http://pestcontrol.basf.us)**

Additional resource: Trelona ATBS Best Practices - Cartridge Replacement

\*Forschler, B.T., & G. Henderson. 1995 Environ. Entomol. 24(6): 1592-1597 (1995)

Always read and follow label directions.