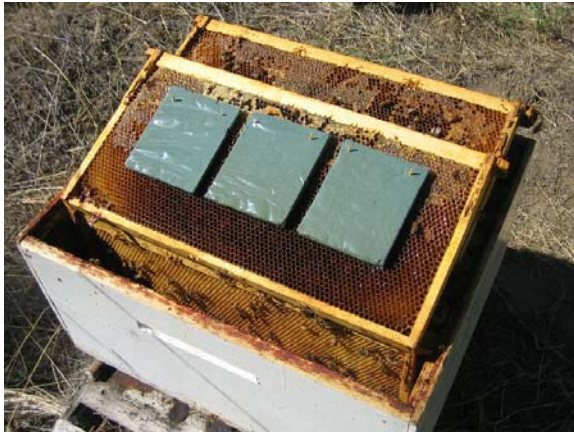


INSTRUCTIONS FOR MITEGONE TREATMENT IN TROPICAL AND SUBTROPICAL CLIMATES.



IN CARIBBEAN AND OTHER WET AND HOT CLIMATES, TREAT WHOLE YEAR WITH 65% FORMIC ACID IN INTEGRATED EVAPORATION AND ACID CHARGED SCREENED BOTTOM MITEGONE METHOD

DO NOT UNWRAP THE PADS
INSTAL PADS BY OPEND END DOWN

Performing Verification Testing Before Each Treatment in October is a Must

Tests at other times do not relate to our experience. Use Natural Drop collected over 3-5 days and prorated to 24 hours. Drops below 8-10 mites are proof your last treatment worked and you are below the economical damage threshold. (See testing for complete instruction.) Treat even with 'O' drop results. Each time, send at least 100 bees for slicing to confirm there are no trachea mites to cause damage.

In Mid October: As shown in our picture, install four half pads in second box on a honey frame with preferably plastic foundation. Fasten pads to comb using toothpick halves; two halves for each corner of pad. Insert pads between frame and wall of box. Leave the pads in the hives until January.

Beginning of January: Re-soak the pads and return to hives. 3 half pads should do if some get heavily damaged. You may re-cut the evaporating surfaces. Dipping pads in acid, sterilize them and pads can be placed in different hives or transferred to splits.

Rule of Thumb: 2 half pads are required for each 5 deep fr. of bees or equivalent. In colonies of one deep brood chamber with Q excluder and shadow honey box put pads in honey box. In splits and nucleus colonies, place pads in brood chamber.

Before Main Honey Flow (May): Re-soak pads and put them flat in the recessed pan of bottom board under the 1/8 wire mesh, you are creating an acid-charged screen bottom killing mites which naturally fall off bees, and storing pads for re-use in October. Discard pads if using STD bottoms.

Benefits & Side Effects: Following this method will get rid of Varroa and Tracheal mites carrying viruses reduce Nosema and Chalkbrood, as well as the lesser wax Moth. It will also help to increase the effectivity of screen bottom boards and will possibly deter the small hive beetle from entering the hives.

Cost per Year per Hive: You will need 2 pads and 1 liter of acid for year round treatment. US pricing is valid – FOB – Tropical Shipping Warehouse – Pompano Beach, Florida. For St. Lucia – EC\$12-16 when organized by the Association – EC\$20 on your own.

Before You Call the Help Line Visit www.mitegone.com. Everything I know is there, and sign up for updates.

ACID SAFETY – FIRST AID – RESPIRATORS

Respirators and Filters

A chemical cartridge respirator with organic vapor cartridge and dust/mist filter is recommended for outside use only.

**Example: North Safety Products:
7700 Half Mask 7583-P100 Cartridge**

Safety & Practicality for Beekeepers

The government safety regulations generally used in the chemical industry are unfortunately not very applicable to beekeeping and are usually discouraging.

- Aprons in the bee yard do not work. Bees get caught underneath them and then you get stung. I replaced aprons with thin rubber (rain) pants under my overalls.
- All acid must be handled at ground level below the knees; never above the waistline. Never do any thinning or measuring at eye level. (It is not necessary with MiteGone to handle acid above the waistline.)
- Set up the filling station in the bee yard down wind on a pallet on the ground.
- All filling is done below the knee level in the outdoor breeze while sitting in front of the filling station.
- Fill the pads in the bee yards. **DO NOT** pre-fill and transport large stacks of pads. Pre-filled pads will be crushed by their own weight unless you use properly designed **ready-to-fill kits**. (See www.mitegone.com for details)

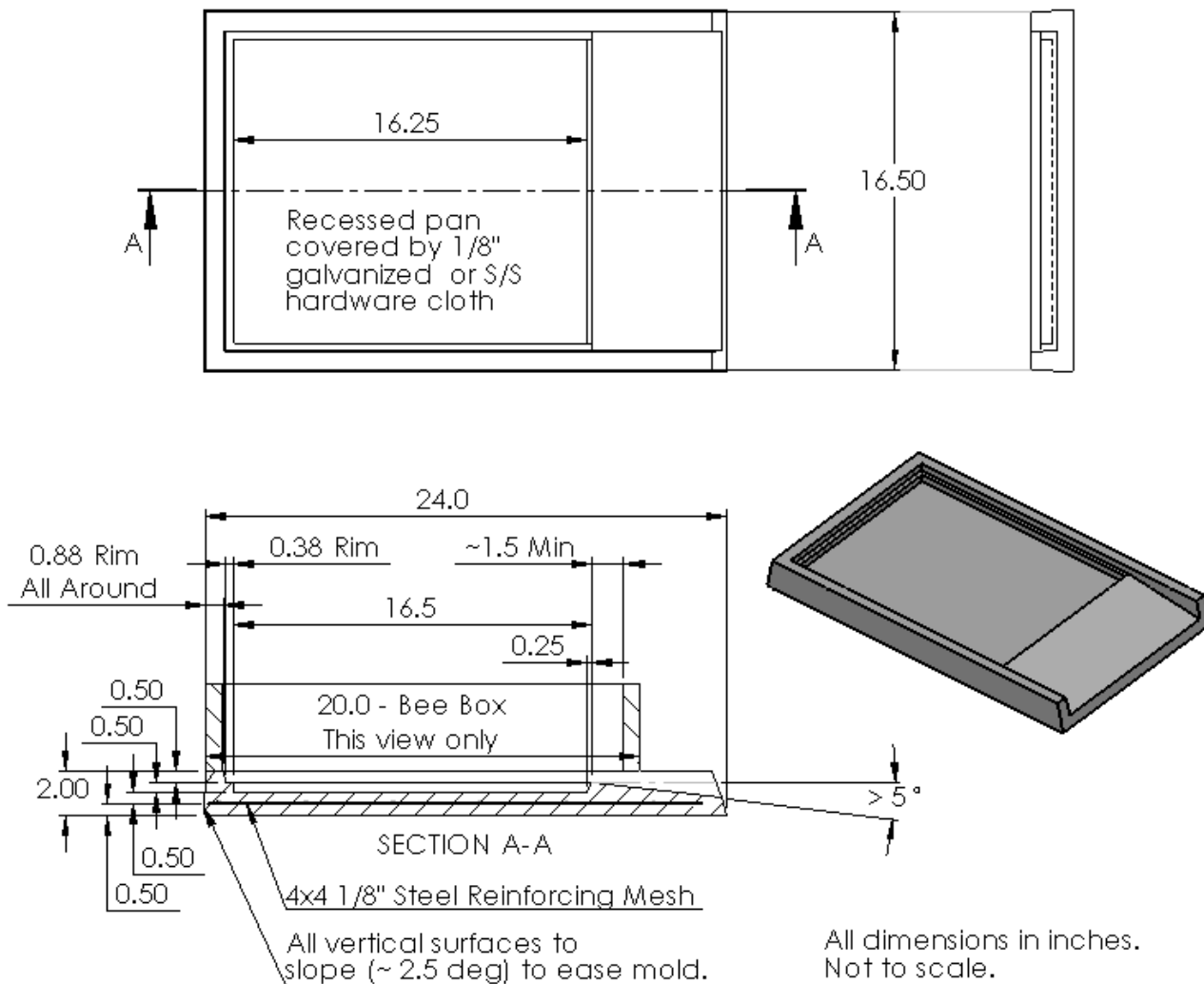
- Always use a scale on the ground for thinning and measuring in grams, kilos or pounds rather than measuring volume.
- The only safe way to transport acid is in thick walled 25kg kegs that the acid is sold in and approved by regulations.
- Never pour acid from one container to another by hand or lift the barrels using a forklift above you. Use loading docks and always have the barrels or kegs on solid ground. Use the “submerged hose” method. Use a hose with a tap so you can open and close flow while thinning acid from 85-65% from barrels to small kegs without open pouring and funnels.
- Incorporate the preparation for treatment into your hive management. Prepare all hives in the bee yard for treatment so you only put the respirator on once and do acid work only while wearing the respirator for a short time.
- Use medium thick rubber gloves so you have comfort feeling in your hands. Carry the filled pads below your waistline in soaking/dripping baskets.

First aid: water

Have a hose with clean running water or two pails of water, one open and one sealed in case an open one spills. Have a pitcher ready to dilute any spills of acid.

Before You Call the Help Line, Visit www.mitegone.com. All I know is there.
Read: Usage Policy
Read: The handbook and manual containing detailed instructions.
Print Literature applicable to your Operation and put it in 3 hole binder creating your own field manual.

TROPICAL CLIMATE SCREEN BOTTOM BOARD



MATERIAL for tropical stationary beekeeping: Fine concrete or fired clay as used for pottery.

WOOD BOTTOMS can be easily modified by adding rims, screen and sloping entry.

THIS BOARD SOLVES: Flooding of hives by rain, decay of wood, and warping of plastic bottom boards.

THE BOARD SERVES AS: Test screened board by putting 12" X 16" styrene reusable drop board into the recessed pan. (See testing for drop board specification.)

THE PAN RETAINS concentrated formic acid fumes in normal evaporation treatment killing mites dislodged and fallen down by fumes evaporated from hanging pads.

DURING SUMMER and honey flow refilled pads are stored in the pan under the screen for reuse in October. Pads maintain acid fumes in pan and continue killing mites which do naturally fall many times during they lifetime.

This board is intellectual property of Bill Ruzicka and Mitegone. Consent to manufacture and sale is required.