

# MiteGone Design & Performance Criteria:

## The product and method is and must:

1. Be one item that is inexpensive, simple, and easy to use in many ways. Available as a dry or pre-soaked pad.
2. Treat Varroa and Trachea mites. **NO MENTHOL TREATMENT NEEDED.**
3. Include the beneficial side effects of formic acid: reduce Nosema, eliminate Chalk Brood and the Lesser Wax Moth. Helps to increase the affectivity of screen bottom boards and possibly deters the small hive beetle from entering the hives.
4. Eliminate blast methods overdose symptoms (queen losses, drone infertility, brood and hive mortality) *by using the continuous low dose release method.*
5. **NOT BE WEATHER DEPENDANT, ADJUSTABLE TO INTERNAL HUMIDITY OR LOCAL CONDITION.** The product works as long as the bees do not cluster. *The bees maintain steady internal temperature, humidity, and evaporation rate in the bee hive.*
6. Fit into the existing bee space between the frame and wall in the hive without any additional box, rim, or equipment. *Heat and humidity is maintained between frames.*
7. Allow for variable dosage to treat colonies of different sizes including nukes *by simple cutting of the dispenser, thus varying the size and evaporating surface of the dispensers to allow a different dosage.*
8. Contain enough acid to allow for a 21 to 40 day treatment to treat low, medium, and high infestation levels, along with other uses of pads.
9. Eliminate measuring acid into a dispenser. The product must soak and hold the exact amount of acid automatically.
10. Contain acid without dripping and evaporate acid at a constant rate.
11. Be a one-visit treatment that does not require any specific time for removal or disposal. *Remove it after 40 days, or when pads are dry the next time you work the hive.*
12. Be disposable for the commercial operator but allow for re-use by the penny-pincher without transferring diseases. *Re-soaking in formic acid sterilizes the pads.*