

---

## methane gas emission in a worm bin ?

Posted by Agi - 2006/06/15 10:28

---

hi there !

So happy to get great scientific info about my favorite pets : worms !

I am working on an environmental High Quality Housing Project in France and I'm looking if i can install a worm bin in flats, so I need to know if there is any methan emission (or other gas at all) from a worm bin? Could anyone inform me about that very important subjet?

Thanks a lot for your great job!

Agi

<http://www.verslaterre.fr>

<http://www.tripandtrip.com>

---

## Re:methane gas emission in a worm bin ?

Posted by Agi - 2006/06/16 08:26

---

hi there,

it's me again. Should I add that Methane is the green-house effet gas...so you understand my question? I know it's a tough one and necessits time.

Thank you so much for your time and help.

Agi from sunny France

B) [http://www.wormdigest.org/components/com\\_simpleboard/uploaded/images/wormhatch\\_tiny.gif](http://www.wormdigest.org/components/com_simpleboard/uploaded/images/wormhatch_tiny.gif)

---

## Re:methane gas emission in a worm bin ?

Posted by redhen - 2006/06/16 12:31

---

Agi..I am not an expert but my thinking is that the organics put in the worm bin are being consumed and therefore not sitting around causing a methane problem.

---

## Re:methane gas emission in a worm bin ?

Posted by Worm Police - 2006/06/17 14:10

---

Hi Agi,

The gas emissions are way less than one would think. Worms eat it as it rots, whereas regular composting, some gas is emitted, as there is nothing consuming it but bacteria, and the bacteria make the bad gases. Other people have expressed their concern about gases as they were worried about explosions and fire, worm bins are what you would call cold composting, so I believe there is no danger, as the food is eaten as it decays, by the worms. In every home, good ventilation is a necessity anyway. Adding house plants would help if one is concerned, as the plants absorb and convert gases back into oxygen. Spider plants are good house plants for people who especially live in polluted areas, as those plants absorb and convert pollutants more efficiently than the normal house plant. The worms them selves require oxygen to live, same as us. So if one finds a bad smelly bin, chances are the worms are dead and dying too.

The biggest problem with keeping worms indoors that I have read over the years in the worm forums, was fruit flies and insect pests invading the worm bins. Mice, and rats are also attracted. Keeping pests away is usually the biggest concern of indoor bins.

Connie

---

## Re:methane gas emission in a worm bin ?

Posted by VermiChester - 2006/07/01 16:44

---

---

Methane is a product of ANaerobic digestion, or without air. Another product is a temperature of at least 160 degrees F.

---

This will cook any worms trapped in the system. My friends in Costa Rica have methane digesters attached to their pig pens and the manure generates their "natural gas" cooking elements. I put my waste products in a compost bin until this process is completed. The anaerobic microorganisms then die and become worm food along with the digested waste. Worms are Aerobic decomposers. They don't emit foul odors (usually the smell comes from hydrogen sulfide) but if you overload the bins with garbage or put meats and dairy in the pile to putrify you will offend the neighbors until the worms get caught up. There is very little benefit for each apartment to have its own private worm bin. A compost system that is jointly managed would be a great example.

Tom

=====

### Re:methane gas emission in a worm bin ?

Posted by WFike - 2007/02/08 18:59

---

I am pretty well sure that if a deadly gas was being produced in my closed up wormbins that have very few vent holes would be full of dead worms instead of very happy worms! Every time I check they are all smiling!

=====

### Re:methane gas emission in a worm bin ?

Posted by WFike - 2007/05/25 15:00

---

I would imagine that there is a lot more methane gas in the bathroom than you would ever find in a wormbed.

=====

### Re:methane gas emission in a worm bin ?

Posted by mitzi - 2007/09/20 07:46

---

I recently read an article (sorry can't remember where it was) that earthworms produce nitrous oxide (laughing gas) and being a greenhouse gas, is a concern for some, but the article seemed to stress the amounts produced shouldn't be an issue for people with green leanings. I guess this could explain why worm farmers seem like such happy people. ;)

=====

### Re:methane gas emission in a worm bin ?

Posted by majidfarokhi - 2007/10/25 01:08

---

we have 2 bacteria in all over the world. aerobic & anaerobic. aerobic bacteria lives in oxigen and digest every thing natural. but anaerobic lives where that not have oxygen. anaerobic bacteria when digest things produces methan. but worms lives with oxygen and so with aerobic bacteria so don't produce methan. if they live without oxygen and so with anaerobic they die.

=====