CLAIMS

1. A granular composition for the release of one or more volatile oils, comprising rubber granules carrying a hydrophobic component comprising at least one volatile oils.
2. The granular composition according to claim 1, wherein the hydrophobic component is on the rubber granules, or impregnated within the rubber granules.
3. The granular composition according to claim 1, wherein the rubber granules are crumb rubber derived from a feedstock selected from rubber tyres, gaskets, belts, hoses; preferably, the size of the rubber granules is between 1-10 mm in diameter.
4. The granular composition according to claim 1, wherein the volatile oils are essential oils or synthetic oils, preferably, a pest repellent, or a pest attractant
5. The granular composition according to claim 1, wherein the volatile oils are essential oils selected from the group consisting of citronella oil, chili oil, peppermint oil, eucalyptus oil, lemongrass oil, cedarwood oil, rosemary oil, lavender oil, tea tree oil, neem oil, oregano oil, clove oil, cinnamon oil, thyme oil, garlic oil, wintergreen oil, lemongrass oil, lavender oil, lime oil, geranium oil, anise oil, angelica oil, basil oil, bay oil, bergamot oil, camphor oil, cananga oil, cardamom oil, caraway oil, cedar oil, cedarwood oil, Chamaecyparis obtusa oil, chamomile oil, cinnamon oil, citronella oil, clove oil, copaiba balsam oil, cumin oil, clove oil, coriander oil, dill oil, eucalyptus oil, fennel oil, garlic oil, geranium oil, grapefruit oil, ginger oil, guaiac oil, hiba oil, iris oil, Japanese mint oil, jasmine oil, lavender oil, lemon oil, lemongrass oil, linaloe oil, Lindera oil, mandarin oil, mint oil, neroli oil, onion oil, orange oil, oregano oil, patchouli oil, parsley oil, pepper oil, peppermint oil, perilla oil, Peru balsam oil, petitgrain oil, pine oil, pine needle oil, rose oil, rosemary oil, sandalwood oil, spearmint oil, star anis oil, tangerine oil, tea seed oil, tea tree oil, thyme oil, tolu balsam oil, tuberose oil, turmeric oil, vetivert oil, western mint oil, wintergreen oil and any combination thereof, preferably the hydrophobic component comprises one or more essential oils selected from the group consisting of citronella oil, chili oil, peppermint oil, eucalyptus oil, lemongrass oil, cedarwood oil, rosemary Oil, lavender oil, tea tree oil
6. The granular composition according to claim 1, wherein the hydrophobic component further comprises an agent selected from the group consisting of pheromones, odor-neutralizing agent, odor-masking agent, additive, stabilising agent, antimicrobial agent, UV-blocking agent, moisture control agent.
7. The granular composition according to claim 1, further comprising a nanoparticle component, optionally comprises one or more metal oxides

8. The granular composition according to claim 7, wherein the nanoparticle component comprises, in weight percentages:

   5-11% titanium dioxide (TiO_2),
   2-7% zinc oxide (ZnO),
   10-15% fumed silica,
   1-2% magnesium oxide (MgO),
   1-2% calcium carbonate ($CaCO_3$),
   0.5-1% aluminum oxide (Al_2O_3),
   and 0.5-1% silicon dioxide (SiO_2).

9. The granular composition according to claim 7, wherein the nanoparticle component further comprises barium sulfate ($BaSO_4$), talc, or zeolites.

10. The granular composition according to claim 1, wherein the granular composition further comprising a stabilizer, an antioxidant or a catalyst.

11. The granular composition according to any one of claims 1-10 for use in a method of pest control.

12. An article comprising a container housing the granular composition according to claim 1.

13. The article according to claim 12, wherein the container is an aluminium can or plastic bottle, comprising a sealable lid with a plurality of apertures defined therein for transmission of vaporised volatile oils therethrough, wherein the lid is optionally overlaid with a cellophane film or a cotton muslin fabric.

14. A method of controlling pests by exposing the pests to the granular composition according to any one of claims claim 1-11 or the article according to any one of claims 15-17; and optionally, refilling the article with one or more volatile oils.

15. A method of preparing a composition, comprising:

- mixing rubber granules of 1-10 mm with a hydrophobic component comprising one or more volatile oils;
- optionally, adding and mixing a nanoparticle component.