

FORM 2

THE PATENTS ACT, 1970
(39 of 1970)
AND
THE PATENTS RULES, 2003

**COMPLETE
SPECIFICATION**

(See Section 10; rule 13)

TITLE OF THE INVENTION

“PESTICIDE PREPARATION AND PROCESS FOR PRODUCING THE SAME”

APPLICANT

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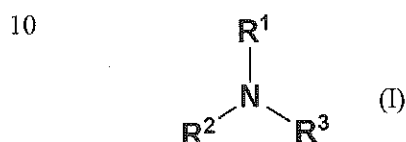
The following specification particularly describes
the invention and the manner in which
it is to be performed

Patent Claims

1. A pesticide preparation containing a pesticide active ingredient and a heat-meltable material and/or a thermoplastic material,

5 the pesticide preparation further containing an amine being capable of forming an associated state with the pesticide active ingredient and containing a group having a hydrophobic moiety on a nitrogen atom.

2. The pesticide preparation according to Claim 1, wherein the amine is represented by the following general formula (I)



15 wherein R^1 is a group having 3 to 20 carbon atoms as the group having a hydrophobic moiety and, R^2 and R^3 are independently a hydrogen atom or a saturated or unsaturated, substituted or unsubstituted hydrocarbon group.

3. The pesticide preparation according to Claim 1 or 2, wherein the hydrophobic moiety of the amine is an aromatic ring.
- 20 4. The pesticide preparation according to Claim 3, wherein the hydrophobic moiety of the amine is a substituted or unsubstituted phenyl group or phenylene group.
- 25 5. The pesticide preparation according to Claim 3, wherein the group having a hydrophobic moiety of the amine is a group selected from the group consisting of a substituted or unsubstituted phenyl group, benzyl group, pyridyl group, pyrrolyl group, quinolyl group, toluidyl group, indolyl group, imidazolyl group and pyrazyl group.

6. The pesticide preparation according to any one of Claims 1 to 5, wherein the amine is at least one amine selected from the group consisting of aniline, diphenylamine, N,N-dimethylaniline, N-methylaniline, N,N-diethylaniline, N-ethylaniline and dibenzylamine.
- 5 7. The pesticide preparation according to any one of Claims 1 to 6, wherein the amine is at least one amine selected from the group consisting of diphenylamine, N,N-dimethylaniline and N-methylaniline.
- 10 8. The pesticide preparation according to any one of Claims 1 to 7, wherein the pesticide active ingredient comprises a herbicide for paddy field weeds.
9. The pesticide preparation according to any one of Claims 1 to 8, wherein the pesticide active ingredient comprises at least one compound selected from the group consisting of pyrimisulfan, triafamone, tefuryltrione, ketospiradox, mesotrione, sulcotrione and tembotrione.
- 15 10. The pesticide preparation according to any one of Claims 1 to 9, wherein the heat-meltable material and/or thermoplastic material is a wax, a polycyclic aromatic hydrocarbon or a mixture thereof.
- 20 11. The pesticide preparation according to any one of Claims 1 to 10,
- further comprising a carrier,
 - the carrier being at least one selected from the group consisting of calcium montmorillonite, attapulгите, pumice, perlite, diatomaceous earth, vermiculite, talc and clay.
- 25 12. A process for producing the pesticide preparation according to any one of Claims 1 to 11, the process comprising:
- a step of mixing a pesticide active ingredient, an amine being capable of forming an associated state with the pesticide active ingredient and containing a group having a

hydrophobic moiety on a nitrogen atom, a heat-meltable material and/or a thermoplastic material, and a carrier under heating.

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dated this 02 day of April 2014.

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