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(54) Title: FORMULATION COMPONENT

(57) Abstract: The invention relates to the use of aromatic esters as adjuvants in compositions, particularly for agrochemical use, as well to compositions comprising such an aromatic ester, in combination with at least one agrochemical and at least one surfactant. The invention further extends to methods of making and using such compositions. In particular the present invention relates to such compositions when formulated as, or comprised by, an emulsion concentrate (EC), an emulsion in water (EW), a suspension of particles in water (SC), a microcapsule formulation (CS), a suspension of particles in the continuous phase of an emulsion (SE), a dispersion concentrate (DC) or an oil suspension (OD).



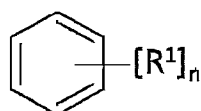
AMENDED CLAIMS

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CLAIMS

1. A ready-to-use agrochemical composition suitable for spray application comprising:

- 5 i. an active ingredient
 ii. a surfactant
 iii. an aromatic ester of formula (I)



(I)

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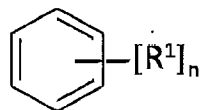
wherein R^1 is $COOR^2$
 n is an integer selected from 3, 4, 5 and 6; and
 each R^2 is independently selected from the group consisting of
 C_4 - C_{20} alkyl, C_4 - C_{22} alkenyl, C_4 - C_{22} alkylidenyl and C_6 - C_{22} alkyltrienyl in an
 15 amount of about 0.05% to about 1% w/w based on the total composition.

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2. An agrochemical composition according to claim 1 wherein n is 3.
3. An agrochemical composition according to claim 1 or 2 wherein each R^2 is
 20 independently C_6 - C_{20} alkyl.
4. An agrochemical composition according to claim 3 wherein each R^2 is
 independently C_6 - C_{13} alkyl.
- 25 5. An agrochemical composition according to any one of the preceding claims,
 wherein each R^2 is independently selected from the group consisting of a C_8 alkyl
 group, a C_8 alkyl group and a C_{10} alkyl group.
6. An agrochemical composition according to any one of the preceding claims
 30 wherein each R^2 is the same.
7. An agrochemical composition according to any one of the preceding claims
 wherein the active ingredient is present at a concentration in the range from
 about 0.001% to about 90% w/w.

8. An agrochemical composition according to anyone of the preceding claims wherein the active ingredient is selected from the group consisting of:
- bicyclopyrone, mesotrione, fomesafen, tralkoxydim, napropamide, amitraz,
- 5 propanil, pyrimethanil, dicloran, tecnazene, toclofos methyl, flamprop M, 2,4-D, MCPA, mecoprop, clodinafop-propargyl, cyhalofop-butyl, diclofop methyl, haloxyfop, quizalofop-P, indol-3-ylacetic acid, 1-naphthylacetic acid, isoxaben, tebutam, chlorthal dimethyl, benomyl, benfuresate, dicamba, dichlobenil, benazolin, triazoxide, fluazuron, teflubenzuron, phenmedipham, acetochlor,
- 10alachlor, metolachlor, pretilachlor, thenylchlor, alloxydim, butoxydim, clethodim, cycloxdim, sethoxydim, tepraloxym, pendimethalin, dinoterb, bifenox, oxyfluorfen, acifluorfen, fluoroglycofen-ethyl, bromoxynil, ioxynil, imazamethabenz-methyl, imazapyr, imazaquin, imazethapyr, imazapic, imazamox, flumioxazin, flumiclorac-pentyl, picloram, amodosulfuron, chloresulfuron, nicosulfuron,
- 15 rimsulfuron, triasulfuron, triallate, pebulate, prosulfocarb, molinate, atrazine, simazine, cyanazine, ametryn, prometryn, terbutylazine, terbutryn, sulcotrione, isoproturon, linuron, fenuron, chlorotoluron, metoxuron, isopyrazam, mandipropamid, azoxystrobin, trifloxystrobin, kresoxim methyl, famoxadone, metominostrobin and picoxystrobin, cyprodanil, carbendazim, thiabendazole,
- 20 dimethomorph, vinclozolin, iprodione, dithiocarbamate, imazalil, prochloraz, fluquinconazole, epoxiconazole, flutriafol, azaconazole, bitertanol, bromuconazole, cyproconazole, difenoconazole, hexaconazole, paclobutrazole, propiconazole, tebuconazole, triadimefon, triticonazole, fenpropimorph, tridemorph, fenpropidin, mancozeb, metiram, chlorothalonil, thiram, ziram,
- 25 captan, captan, folpet, fluazinam, flutolanil, carboxin, metalaxyl, bupirimate, ethirimol, dimoxystrobin, fluoxastrobin, orysastrobin, metominostrobin, prothioconazole, thiamethoxam, imidacloprid, acetamiprid, clothianidin, dinotefuran, nitenpyram, fipronil, abamectin, emamectin, bendiocarb, carbaryl, fenoxycarb, isoprocarb, pirimicarb, propoxur, xylylcarb, asulam, chlorpropham,
- 30 endosulfan, heptachlor, tebufenozide, bensultap, diethofencarb, pirimiphos methyl, aldicarb, methomyl, cypermethrin, bioallethrin, deltamethrin, lambda cyhalothrin, cyhalothrin, cyfluthrin, fenvalerate, imiprothrin, permethrin, halfenprox, paclobutrazole, 1-methylcyclopropene, benoxacor, cloquintocet-mexyl, cyometrinil, dichlorimid, fenclorazole-ethyl, fenclorim, flurazole,
- 35 fluxofenim, mefenpyr-diethyl, MG-191, naphthalic anhydride and oxabetrinil.

9. An agrochemical composition according to anyone of the preceding claims wherein the composition is formulated as, or comprised by a microcapsule.
10. An agrochemical composition according to any one of the preceding claims, comprising at least one additional component selected from the group consisting of agrochemicals, adjuvants, surfactants, emulsifiers and solvents.
11. Use of an agrochemical composition as defined in any one of claims 1 to 10 to control pests.
12. Use of an aromatic ester of formula (I)



(I)

- wherein R^1 is $COOR^2$
 n is an integer selected from 4, 5 and 6; and
 each R^2 is independently selected from the group consisting of C_4 - C_{20} alkyl, C_4 - C_{22} alkenyl, C_4 - C_{22} alkylidenyl and C_6 - C_{22} alkyltrienyl as an adjuvant in an agrochemical composition.
13. Use of an aromatic ester as defined in claim 12 to enhance the potency and/or reduce the effective application rate of an agrochemical.
14. A method of controlling a pest, comprising applying a composition as defined in any one of claims 1 to 10 to said pest or the locus of said pest.
15. A method of making an agrochemical composition as claimed in any one of claims 1 to 6; comprising combining the agrochemically active ingredient, surfactant and aromatic ester of i, ii and iii.