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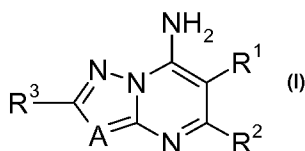
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WO 2008/092836 A2

(54) Title: METHOD FOR IMPROVING PLANT HEALTH



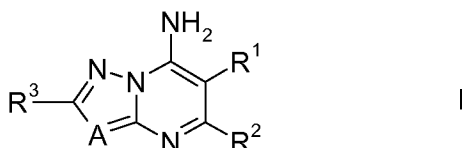
(57) Abstract: A method of improving the health of plants comprising treating a site with at least one compound of formula (I), in which the substituents are as defined in the specification, or their agriculturally compatible salts.

PF 58823

Method for improving plant health

Description

- 5 The present invention relates to a method of improving the health of plants by applying at least an azolopyrimidinylamine of the formula I,



in which the substituents are as defined below:

- 10 R^1 is C₃-C₁₂-alkyl, C₂-C₁₂-alkenyl, C₅-C₁₂-alkoxyalkyl, C₃-C₆-cycloalkyl, phenyl or phenyl-C₁-C₄-alkyl;
- R^2 is C₁-C₁₂-alkyl, C₂-C₁₂-alkenyl, C₁-C₄-haloalkyl, or C₁-C₄-alkoxy-C₁-C₄-alkyl; where the aliphatic chains in R^1 and/or R^2 may be substituted by one to four identical or different groups R^a :
- 15 R^a is halogen, cyano, hydroxyl, mercapto, C₁-C₁₀-alkyl, C₁-C₁₀-haloalkyl, C₃-C₈-cycloalkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₁-C₆-alkoxy-C₁-C₆-alkyl, or NR^AR^B;
- R^A , R^B are hydrogen or C₁-C₆-alkyl; where the cyclic groups in R^1 and/or R^a may be substituted by one to four groups R^b :
- 20 R^b is halogen, cyano, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₁₀-alkyl, C₁-C₆-haloalkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl or C₁-C₆-alkoxy;
- R^3 is hydrogen, halogen, cyano, NR^AR^B, hydroxyl, mercapto, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₈-cycloalkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₃-C₈-cycloalkoxy, C₃-C₈-cycloalkylthio, carboxyl, formyl, C₁-C₁₀-alkylcarbonyl, C₁-C₁₀-alkoxycarbonyl, C₂-C₁₀-alkenyloxycarbonyl, C₂-C₁₀-alkynyloxycarbonyl, phenyl, phenoxy, phenylthio, benzyloxy, benzylthio, or C₁-C₆-alkyl-S(O)_m;
- 25 m is 0, 1 or 2;
- A is CH or N;
- 30 to the plants or the locus thereof, and to active compounds combinations for improving the health of plants.

One typical problem arising in the field of pest control lies in the need to reduce the dosage rates of the active ingredient in order to reduce or avoid unfavorable environmental or toxicological effects whilst still allowing effective pest and pathogen control.

35

PF 58823

2

Another problem encountered concerns the need to have available pest control agents which are effective against a broad spectrum of pathogens.

Another problem underlying the present invention is the desire for compositions that improve plants, a process which is commonly and hereinafter referred to as "plant health". For example, advantageous properties that may be mentioned are improved crop characteristics including: emergence, crop yields, protein content, oil content, starch content, more developed root system (improved root growth), improved stress tolerance (e.g. against drought, heat, salt, UV, water, cold), reduced ethylene (reduced production and/or inhibition of reception), tillering increase, increase in plant height, bigger leaf blade, less dead basal leaves, stronger tillers, greener leaf color, pigment content, photosynthetic activity, less input needed (such as fertilizers or water), less seeds needed, more productive tillers, earlier flowering, early grain maturity, less plant verse (lodging), increased shoot growth, enhanced plant vigor, increased plant stand and early and better germination. Advantageous properties, obtained especially from treaded seeds, are e.g. improved germination and field establishment, better vigor, more homogen field establishment. Advantageous properties, obtained especially from foliar and/or in-furrow application are e.g. improved plant growth and plant development, better growth, more tillers, greener leafes, largers leaves, more biomass, better roots, improved stress tolerance of the plants, more grain yield, more biomass harvested, improved quality of the harvest (content of fatty acids,metabolites, oil etc), more marketable products (e.g. improved size), improved process (e.g. longer shelf-life, better extraction of compounds), improved quality of seeds (for being seeded in the following seasons for seed production); or any other advantages familiar to a person skilled in the art.

It was therefore an object of the present invention to provide a method which solve the problems outlined above.

We have found that this object is in part or in whole achieved by the method defined at the outset.

The present invention relates to plant-protecting active ingredients and mixtures with increased efficacy and to a method of improving the health of plants by applying said compounds and mixtures to the plants or the locus thereof.

It has been found that the action of the compounds of formula I goes beyond the known fungicidal action. It has been shown that the compounds of formula I exhibit plant health

PF 58823

3

effects in the frame of the present invention. The term plant health comprises various sorts of improvements of plants that are not connected to the control of harmful fungi.

5 The azolopyrimidin-7-ylamines of the formula I referred to above as component a, their preparation and their action against harmful fungi are known from the literature (EP-A 71 792; EP-A 141 317; WO 03/009687; WO 05/087771; WO 05/087772; WO 05/087773; PCT/EP/05/002426; PCT/EP2006/050922; PCT/EP2006/060399.

10 In the definitions of the symbols given for the formula above, collective terms were used which generally represent the following substituents:

halogen: fluorine, chlorine, bromine and iodine;

15 alkyl: saturated straight-chain or branched hydrocarbon radicals having 1 to 4, 6, 8 or 10 carbon atoms, for example C₁-C₆-alkyl, such as methyl, ethyl, propyl, 1-methylethyl, butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 2,2-dimethylpropyl, 1-ethylpropyl, hexyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 20 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl and 1-ethyl-2-methylpropyl;

haloalkyl: straight-chain or branched alkyl groups having 1 to 2, 4 or 6 carbon atoms (as mentioned above), where some or all of the hydrogen atoms in these groups may be 25 replaced by halogen atoms as mentioned above: in particular C₁-C₂-haloalkyl, such as chloromethyl, bromomethyl, dichloromethyl, trichloromethyl, fluoromethyl, difluoromethyl, trifluoromethyl, chlorofluoromethyl, dichlorofluoromethyl, chlorodifluoromethyl, 1-chloroethyl, 1-bromoethyl, 1-fluoroethyl, 2-fluoroethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 2-chloro-2-fluoroethyl, 2-chloro-2,2-difluoroethyl, 2,2-dichloro-2-fluoroethyl, 30 2,2,2-trichloroethyl, pentafluoroethyl or 1,1,1-trifluoroprop-2-yl.

With a view to the intended use of the azolopyrimidinylamines of the formula I, particular preference is given to the following meanings of the substituents, in each case on their own or in combination:

35

Particularly suitable for the use according to the invention are compounds of the formula I in which R¹ is straight-chain or branched C₃-C₁₂-alkyl or phenyl which may be substituted by one to three halogen or C₁-C₄-alkyl groups.

PF 58823

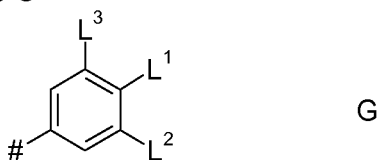
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In one embodiment of the compounds of the formula I, group R^a is absent.

5 A preferred embodiment relates to compounds of the formula I in which R¹ is straight-chain or branched C₅-C₁₀-alkyl, in particular ethyl, 3,5,5-trimethylhexyl, n-heptyl, n-octyl, n-nonyl and n-decyl.

10 A further embodiment relates to the compounds of the formula I in which R¹ is phenyl which is unsubstituted or substituted by one to four halogen, cyano, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₁₀-alkyl, C₁-C₆-haloalkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl and C₁-C₆-alkoxy groups.

Preferred compounds of the formula I are those in which R¹ is a substituted phenyl group which corresponds to a group G



15

in which

L¹ is cyano, halogen, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₁₀-alkyl, C₁-C₆-haloalkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl and C₁-C₆-alkoxy; and

20

L², L³ independently of one another are hydrogen or one of the groups mentioned under L¹ and

denotes the bond to the azolopyrimidine skeleton.

25 In a further embodiment of the compounds of the formula I, L¹ is cyano, halogen, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₆-alkyl, halomethyl or C₁-C₂-alkoxy, preferably cyano, halogen, C₁-C₆-alkyl, halomethyl or C₁-C₂-alkoxy.

In a further embodiment of the compounds of the formula I, L² is hydrogen or one of the groups mentioned above.

30 In a further embodiment of the compounds of the formula I, L³ is hydrogen, cyano, halogen, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₆-alkyl, halomethyl or C₁-C₂-alkoxy, preferably hydrogen.

35 Preference is given to compounds of the formula I in which R² is straight-chain or branched C₁-C₁₂-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl or C₁-C₄-haloalkyl.

PF 58823

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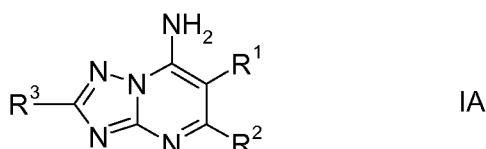
In a particularly preferred embodiment of the compounds of the formula I, R² is methyl, ethyl, n-propyl, n-octyl, trifluoromethyl or methoxymethyl, in particular methyl, ethyl, trifluoromethyl or methoxymethyl.

5 Preference is furthermore given to compounds of the formula I in which R³ is hydrogen.

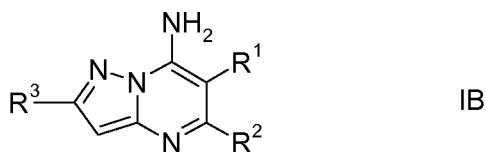
In a further embodiment of the compounds of the formula I, R³ is amino.

One embodiment of the compounds of the formula I relates to those in which A is N.

10 These compounds correspond to the formula IA in which the variables are as defined for formula I:



15 Another embodiment of the compounds of the formula I relates to those in which A is CH. These compounds correspond to the formula IB in which the variables are as defined for formula I:



20 In a further embodiment of preferred compounds I, the carbon chains of R¹ and R² together do not have more than 12 carbon atoms.

Especially preferred with a view to their use are the compounds I compiled in the tables below. The groups mentioned for a substituent in the tables are furthermore per se, independently of the combination in which they are mentioned, a particularly preferred
25 embodiment of the substituent in question.

Table 1

Compounds of the formula IA in which the combination of R¹, R² and R³ for a compound corresponds in each case to one row of Table I

30

Table 2

Compounds of the formula IB in which the combination of R¹, R² and R³ for a compound corresponds in each case to one row of Table I

PF 58823

6

Table I

| No. | R ¹ | R ² | R ³ |
|------|---|-----------------|-----------------|
| I-1 | C ₆ H ₅ | CH ₃ | H |
| I-2 | 2-Cl-C ₆ H ₄ | CH ₃ | H |
| I-3 | 3-Cl-C ₆ H ₄ | CH ₃ | H |
| I-4 | 4-Cl-C ₆ H ₄ | CH ₃ | H |
| I-5 | 2-F-C ₆ H ₄ | CH ₃ | H |
| I-6 | 3-F-C ₆ H ₄ | CH ₃ | H |
| I-7 | 4-F-C ₆ H ₄ | CH ₃ | H |
| I-8 | 2,4-Cl ₂ -C ₆ H ₃ | CH ₃ | H |
| I-9 | 3,4-Cl ₂ -C ₆ H ₃ | CH ₃ | H |
| I-10 | 2,4-F ₂ -C ₆ H ₃ | CH ₃ | H |
| I-11 | 3,4-F ₂ -C ₆ H ₃ | CH ₃ | H |
| I-12 | 4-CH ₃ -C ₆ H ₄ | CH ₃ | H |
| I-13 | 4-CH ₂ CH ₃ -C ₆ H ₄ | CH ₃ | H |
| I-14 | 4-CH ₂ CH ₂ CH ₃ -C ₆ H ₄ | CH ₃ | H |
| I-15 | 4-CH(CH ₃) ₂ -C ₆ H ₄ | CH ₃ | H |
| I-16 | 4-CH ₂ CH ₂ CH ₂ CH ₃ -C ₆ H ₄ | CH ₃ | H |
| I-17 | 4-C(CH ₃)CH ₂ CH ₃ -C ₆ H ₄ | CH ₃ | H |
| I-18 | 4-C(CH ₃) ₃ -C ₆ H ₄ | CH ₃ | H |
| I-19 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-20 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-21 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-22 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-23 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₃ | H |
| I-24 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-25 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-26 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-27 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-28 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₃ | H |
| I-29 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-30 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-31 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-32 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-33 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₃ | NH ₂ |
| I-34 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |

PF 58823

7

| No. | R ¹ | R ² | R ³ |
|------|--|-----------------|-----------------|
| I-35 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-36 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-37 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | NH ₂ |
| I-38 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₃ | NH ₂ |
| I-39 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-40 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-41 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-42 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-43 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₃ | CH ₃ |
| I-44 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-45 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-46 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-47 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-48 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-49 | (CH ₂) ₃ -O-CH ₃ | CH ₃ | H |
| I-50 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₃ | H |
| I-51 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-52 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-53 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-54 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-55 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-56 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-57 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-58 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₃ | H |
| I-59 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₃ | H |
| I-60 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₃ | H |
| I-61 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | H |
| I-62 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | H |
| I-63 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₃ | H |
| I-64 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₃ | H |
| I-65 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₃ | H |
| I-66 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | H |
| I-67 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₃ | H |
| I-68 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₃ | H |
| I-69 | (CH ₂) ₃ -O-CH ₃ | CH ₃ | CH ₃ |
| I-70 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₃ | CH ₃ |

PF 58823

8

| No. | R ¹ | R ² | R ³ |
|-------|--|---------------------------------|-----------------|
| I-71 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-72 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-73 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-74 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-75 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-76 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-77 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-78 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₃ | CH ₃ |
| I-79 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-80 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-81 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-82 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-83 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₃ | CH ₃ |
| I-84 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₃ | CH ₃ |
| I-85 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₃ | CH ₃ |
| I-86 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₃ | CH ₃ |
| I-87 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₃ | CH ₃ |
| I-88 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₃ | CH ₃ |
| I-89 | CH ₂ -C ₆ H ₅ | CF ₃ | H |
| I-90 | CH ₂ -(4-Cl-C ₆ H ₄) | CF ₃ | H |
| I-91 | CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-92 | CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-93 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-94 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-95 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-96 | CH ₂ CH(CH ₂ CH ₃) ₂ | CF ₃ | H |
| I-97 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-98 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-99 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-100 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CF ₃ | H |
| I-101 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CF ₃ | H |
| I-102 | cyclo-C ₅ H ₉ | CF ₃ | H |
| I-103 | cyclo-C ₆ H ₁₁ | CF ₃ | H |
| I-104 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-105 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-106 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |

PF 58823

9

| No. | R ¹ | R ² | R ³ |
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| I-107 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-108 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-109 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-110 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-111 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-112 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-113 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-114 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-115 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-116 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-117 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-118 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₂ CH ₃ | NH ₂ |
| I-119 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-120 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-121 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-122 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | NH ₂ |
| I-123 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₂ CH ₃ | NH ₂ |
| I-124 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-125 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-126 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-127 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-128 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-129 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-130 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-131 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-132 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-133 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-134 | (CH ₂) ₃ -O-CH ₃ | CH ₂ CH ₃ | H |
| I-135 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-136 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-137 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-138 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-139 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-140 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-141 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-142 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |

PF 58823

10

| No. | R ¹ | R ² | R ³ |
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| I-143 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-144 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-145 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-146 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-147 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-148 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-149 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | H |
| I-150 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-151 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | H |
| I-152 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-153 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | H |
| I-154 | (CH ₂) ₃ -O-CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-155 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-156 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-157 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-158 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-159 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-160 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-161 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-162 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-163 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-164 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-165 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-166 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-167 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-168 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-169 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₃ | CH ₃ |
| I-170 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-171 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₃ | CH ₃ |
| I-172 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-173 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₃ | CH ₃ |
| I-174 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-175 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-176 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-177 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-178 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |

PF 58823

11

| No. | R ¹ | R ² | R ³ |
|-------|--|---|----------------|
| I-179 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-180 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-181 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-182 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-183 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-184 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-185 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-186 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-187 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-188 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-189 | CH ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-190 | CH ₂ -O-C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-191 | CH ₂ -O-CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-192 | CH ₂ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-193 | CH ₂ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-194 | CH ₂ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-195 | CH ₂ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-196 | CH ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-197 | CH ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-198 | CH ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-199 | CH ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-200 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-201 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-202 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-203 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-204 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-205 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-206 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-207 | (CH ₂) ₂ -O-CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-208 | (CH ₂) ₂ -O-C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-209 | (CH ₂) ₂ -O-CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-210 | (CH ₂) ₂ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-211 | (CH ₂) ₂ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-212 | (CH ₂) ₂ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-213 | (CH ₂) ₂ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-214 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |

PF 58823

12

| No. | R ¹ | R ² | R ³ |
|-------|--|---|----------------|
| I-215 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-216 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-217 | (CH ₂) ₂ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-218 | (CH ₂) ₃ -O-CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-219 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-220 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-221 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-222 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-223 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-224 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-225 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-226 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-227 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-228 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-229 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-230 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-231 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-232 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-233 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-234 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-235 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ CH ₂ CH ₃ | H |
| I-236 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-237 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ CH ₂ CH ₃ | H |
| I-238 | CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-239 | CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-240 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-241 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-242 | CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-243 | CH ₂ CH(CH ₂ CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-244 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-245 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-246 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-247 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-248 | CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-249 | (CH ₂) ₃ -O-CH ₃ | CH ₂ OCH ₃ | H |
| I-250 | (CH ₂) ₃ -O-CH ₂ CH ₃ | CH ₂ OCH ₃ | H |

PF 58823

13

| No. | R ¹ | R ² | R ³ |
|-------|--|---|----------------|
| I-251 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-252 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-253 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-254 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-255 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-256 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-257 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-258 | (CH ₂) ₃ -O-CH(CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-259 | (CH ₂) ₃ -O-C(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-260 | (CH ₂) ₃ -O-CH ₂ C(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-261 | (CH ₂) ₃ -O-CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-262 | (CH ₂) ₃ -O-CH(CH ₂ CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-263 | (CH ₂) ₃ -O-CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-264 | (CH ₂) ₃ -O-CH ₂ CH(CH ₂ CH ₃)CH ₂ CH ₂ CH ₃ | CH ₂ OCH ₃ | H |
| I-265 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH(CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-266 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₃ | CH ₂ OCH ₃ | H |
| I-267 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-268 | (CH ₂) ₃ -O-CH ₂ CH ₂ CH(CH ₃)CH ₂ CH ₂ CH ₂ CH(CH ₃) ₂ | CH ₂ OCH ₃ | H |
| I-269 | CH ₃ | (CH ₂) ₃ CH ₃ | H |
| I-270 | CH ₂ CH ₃ | (CH ₂) ₃ CH ₃ | H |
| I-271 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₃ CH ₃ | H |
| I-272 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₃ CH ₃ | H |
| I-273 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₃ CH ₃ | H |
| I-274 | CH ₃ | (CH ₂) ₄ CH ₃ | H |
| I-275 | CH ₂ CH ₃ | (CH ₂) ₄ CH ₃ | H |
| I-276 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₄ CH ₃ | H |
| I-277 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₄ CH ₃ | H |
| I-278 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₄ CH ₃ | H |
| I-279 | CH ₃ | (CH ₂) ₅ CH ₃ | H |
| I-280 | CH ₂ CH ₃ | (CH ₂) ₅ CH ₃ | H |
| I-281 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₅ CH ₃ | H |
| I-282 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₅ CH ₃ | H |
| I-283 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₅ CH ₃ | H |
| I-284 | CH ₃ | (CH ₂) ₆ CH ₃ | H |
| I-285 | CH ₂ CH ₃ | (CH ₂) ₆ CH ₃ | H |
| I-286 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₆ CH ₃ | H |

PF 58823

14

| No. | R ¹ | R ² | R ³ |
|-------|---|---|----------------|
| I-287 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₆ CH ₃ | H |
| I-288 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₆ CH ₃ | H |
| I-289 | CH ₃ | (CH ₂) ₇ CH ₃ | H |
| I-290 | CH ₂ CH ₃ | (CH ₂) ₇ CH ₃ | H |
| I-291 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₇ CH ₃ | H |
| I-292 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₇ CH ₃ | H |
| I-293 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₇ CH ₃ | H |
| I-294 | CH ₃ | (CH ₂) ₈ CH ₃ | H |
| I-295 | CH ₂ CH ₃ | (CH ₂) ₈ CH ₃ | H |
| I-296 | CH ₂ CH ₂ CH ₃ | (CH ₂) ₈ CH ₃ | H |
| I-297 | CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₈ CH ₃ | H |
| I-298 | CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ | (CH ₂) ₈ CH ₃ | H |

Preferred embodiments of the method according to the invention comprise application of one or more compounds selected from the following:

- 6-(3,4-dichlorophenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-1],
 5 6-(4-tert-butylphenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-2],
 5-methyl-6-(3,5,5-trimethylhexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-3],
 5-methyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-4],
 5-ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidine-2,7-diamine [I-5],
 6-ethyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-6],
 10 5-ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-7],
 5-ethyl-6-(3,5,5-trimethylhexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-8],
 6-octyl-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-9],
 5-methoxymethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-10],
 6-octyl-5-trifluoromethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-11] and
 15 5-trifluoromethyl-6-(3,5,5-trimethylhexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine [I-12].

In the method according to the invention the application of one compound of formula I usually is sufficient, however, it may be advantageously to use more than one compound of formula I.

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The compounds of formula I mentioned above can also be employed in the form of their agriculturally compatible salts. These are usually salts or adducts with inorganic or organic acids or with metal ions, such as alkali metal or alkaline earth metal salts, e.g. sodium, potassium or calcium salts.

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PF 58823

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Examples of inorganic acids are hydrohalic acids, such as hydrogen fluoride, hydrogen chloride, hydrogen bromide and hydrogen iodide, sulfuric acid, phosphoric acid and nitric acid.

5 Suitable organic acids are, for example, formic acid, carbonic acid and alkanolic acids, such as acetic acid, trifluoroacetic acid, trichloroacetic acid and propionic acid, and also glycolic acid, lactic acid, succinic acid, citric acid, benzoic acid, cinnamic acid, oxalic acid, p-toluenesulfonic acid, salicylic acid, p-aminosalicylic acid, 2-phenoxybenzoic acid or 2-acetoxybenzoic acid.

10

Suitable metal ions are in particular the ions of the elements of the first to eighth transition group, especially chromium, manganese, iron, cobalt, nickel, copper, zinc, and additionally those of the second main group, especially calcium and magnesium, and of the third and fourth main group, in particular aluminum, tin and lead. If appropriate, the

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In one embodiment of the invention, mixtures of an azolopyrimidinylamine and an active compound II are used. Under certain conditions, it may be advantageous to combine an azolopyrimidinylamine (compound I) with two or more active compounds II. In addition,

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mixtures of two or more compounds I with one or more active compounds II may also be suitable. The compound(s) I can be used as a synergist for a large number of different active compounds. The simultaneous, that is joint or separate, application of the compound(s) I with at least one active compound II increases the fungicidal activity and the activity for increasing the health of plants in a superadditive manner.

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When preparing the mixtures, preference is given to using the pure active compounds which, if required, may be mixed with further active compounds against harmful fungi or other pests, such as insects, arachnids or nematodes, or else herbicidal or growth-regulating active compounds or fertilizers as further active components.

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Preferred insecticidal compounds II are selected from the following:

A.1. Organo(thio)phosphates: acephate, azamethiphos, azinphos-ethyl, azinphos-methyl, chlorethoxyfos, chlorfenvinphos, chlormephos, chlorpyrifos, chlorpyrifos-methyl, coumaphos, cyanophos, demeton-S-methyl, diazinon, dichlorvos/ DDVP, dicrotophos,

35

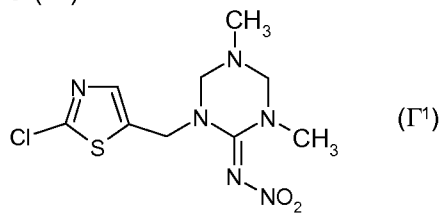
dimethoate, dimethylvinphos, disulfoton, EPN, ethion, ethoprophos, famphur, fenamiphos, fenitrothion, fenthion, flupyrazophos, fosthiazate, heptenophos, isoxathion, malathion, mecarbam, methamidophos, methidathion, mevinphos, monocrotophos, naled, omethoate, oxydemeton-methyl, parathion, parathion-methyl, phenthoate,

PF 58823

16

phorate, phosalone, phosmet, phosphamidon, phoxim, pirimiphos-methyl, profenofos, propetamphos, prothiofos, pyraclofos, pyridaphenthion, quinalphos, sulfotep, tebufos, temephos, terbufos, tetrachlorvinphos, thiometon, triazophos, trichlorfon, vamidothion;

- 5 A.2. Carbamates: aldicarb, alanycarb, bendiocarb, benfuracarb, butocarboxim, butoxycarboxim, carbaryl, carbofuran, carbosulfan, ethiofencarb, fenobucarb, formetanate, furathiocarb, isoprocarb, methiocarb, methomyl, metolcarb, oxamyl, pirimicarb, propoxur, thiodicarb, thiofanox, trimethacarb, XMC, xylylcarb, triazamate;
- 10 A.3. Pyrethroids: acrinathrin, allethrin, d-cis-trans allethrin, d-trans allethrin, bifenthrin, bioallethrin, bioallethrin S-cyclopentenyl, bioresmethrin, cycloprothrin, cyfluthrin, beta-, yfluthrin, cyhalothrin, lambda-cyhalothrin, gamma-cyhalothrin, cypermethrin, alpha-cypermethrin, beta-cypermethrin, theta-cypermethrin, zeta-cypermethrin, cyphenothrin, deltamethrin, empenethrin, esfenvalerate, etofenprox, fenpropathrin, fenvalerate, flucythrinate, flumethrin, tau-fluvalinate, halfenprox, imiprothrin, permethrin, phenothrin,
- 15 prallethrin, resmethrin, RU 15525, silafluofen, tefluthrin, tetramethrin, tralomethrin, transfluthrin, ZXI 8901;
- A.4. Juvenile hormone mimics: hydroprene, kinoprene, methoprene, fenoxycarb, pyriproxyfen;
- A.5. Nicotinic receptor agonists/antagonists compounds: acetamiprid, bensultap, cartap
- 20 hydrochloride, clothianidin, dinotefuran, imidacloprid, thiamethoxam, nitenpyram, nicotine, spinosad (allosteric agonist), thiacloprid, thiocyclam, thiosultap-sodium, the thiazol compound of formula (Γ^1)



- A.6. GABA gated chloride channel antagonist compounds: chlordane, endosulfan,
- 25 gamma-HCH (lindane); acetoprole, ethiprole, fipronil, pyrafluprole, pyriprole, vaniliprole, 5-Amino-1-(2,6-dichloro-4-trifluoromethyl-phenyl)-4-trifluoromethanesulfinyl-1H-pyrazole-3-carbothioic acid amide
- A.7. Chloride channel activators: abamectin, emamectin benzoate, milbemectin, lepimectin;
- 30 A.8. METI I compounds: fenazaquin, fenpyroximate, pyrimidifen, pyridaben, tebufenpyrad, tolfenpyrad, flufenerim, rotenone;
- A.9. METI II and III compounds: acequinocyl, fluacyprim, hydramethylnon;
- A.10. Uncouplers of oxidative phosphorylation: chlorfenapyr, DNOC;
- A.11. Inhibitors of oxidative phosphorylation: azocyclotin, cyhexatin, diafenthuron,

PF 58823

17

fenbutatin oxide, propargite, tetradifon;

A.12. Moulting disruptors: cyromazine, chromafenozide, halofenozide, methoxyfenozide, tebufenozide;

A.13. Synergists: piperonyl butoxide, tribufos;

5 A.14. Sodium channel blocker compounds: indoxacarb, metaflumizone;

A.15. Fumigants: methyl bromide, chloropicrin sulfuryl fluoride;

A.16. Selective feeding blockers: crylotie, pymetrozine, flonicamid;

A.17. Mite growth inhibitors: clofentezine, hexythiazox, etoxazole;

10 A.18. Chitin synthesis inhibitors: buprofezin, bistrifluron, chlorfluauron, diflubenzuron, flucycloxuron, flufenoxuron, hexaflumuron, lufenuron, novaluron, noviflumuron, teflubenzuron, triflumuron;

A.19. Lipid biosynthesis inhibitors: spiroadiclofen, spiromesifen, spirotetramat;

A.20. octapaminergic agonists: amitraz;

A.21. ryanodine receptor modulators: flubendiamide;

15 A.22. Various: aluminium phosphide, amidoflumet, benclonthiaz, benzoximate, bifenazate, borax, bromopropylate, cyanide, cyenopyrafen, cyflumetofen, chinomethionate, dicofol, fluoroacetate, phosphine, pyridalyl, pyrifluquinazon, sulfur, tartar emetic;

20 A.23. N-R'-2,2-dihalo-1-R''cyclo-propanecarboxamide-2-(2,6-dichloro- α,α,α -tri-fluoro-p-tolyl)hydrazone or N-R'-2,2-di(R''')propionamide-2-(2,6-dichloro- α,α,α -trifluoro-p-tolyl)-hydrazone, wherein R' is methyl or ethyl, halo is chloro or bromo, R'' is hydrogen or methyl and R''' is methyl or ethyl;25 A.24. Malononitrile compounds: $\text{CF}_3(\text{CH}_2)_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_3\text{CF}_2\text{H}$, $\text{CF}_3(\text{CH}_2)_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_5\text{CF}_2\text{H}$, $\text{CF}_3(\text{CH}_2)_2\text{C}(\text{CN})_2(\text{CH}_2)_2\text{C}(\text{CF}_3)_2\text{F}$, $\text{CF}_3(\text{CH}_2)_2\text{C}(\text{CN})_2(\text{CH}_2)_2(\text{CF}_2)_3\text{CF}_3$, $\text{CF}_2\text{H}(\text{CF}_2)_3\text{CH}_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_3\text{CF}_2\text{H}$, $\text{CF}_3(\text{CH}_2)_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_3\text{CF}_3$, $\text{CF}_3(\text{CF}_2)_2\text{CH}_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_3\text{CF}_2\text{H}$, and $\text{CF}_3\text{CF}_2\text{CH}_2\text{C}(\text{CN})_2\text{CH}_2(\text{CF}_2)_3\text{CF}_2\text{H}$;30 A.25. Microbial disruptors: *Bacillus thuringiensis* subsp. *Israelensi*, *Bacillus sphaericus*, *Bacillus thuringiensis* subsp. *Aizawai*, *Bacillus thuringiensis* subsp. *Kurstaki*, *Bacillus thuringiensis* subsp. *Tenebrionis*.

The method of improving the health of plants comprises treating a site, for example a plant or a plant propagation material, with at least one compound of formula I. The latter term embraces seeds of all kinds (fruit, tubers, grains), cuttings, cut shoots and the like.

35 One particular field of application is the treatment of all kinds of seeds. Such method may also include application of further fungicidal and/or insecticidal active compounds II. Such further compound II is as outlined in the specification.

PF 58823

18

The compound(s) I according to the invention can, also be present together with other active compounds II, e.g. with herbicides, insecticides, growth regulators, fungicides or else with fertilizers. Mixing the compounds I or the compositions comprising them results in many cases in an expansion of the activity on the plant health effect being obtained.

5

The following list of fungicides, in conjunction with which the compounds of formula I according to the invention can be used as fungicidal compound II, is intended to illustrate the possible combinations but not limit them:

- A) strobilurins, such as azoxystrobin, dimoxystrobin, enestroburin, fluoxastrobin, kresoxim-methyl, methominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, pyribencarb, trifloxystrobin, 2-(ortho-((2,5-dimethylphenyl-oxymethylen)phenyl)-3-methoxy-acrylsäuremethylester;
- B) carbonic acid amides, such as anilides: benalaxyl, benalaxyl-M, benodanil, bixafen, boscalid, carboxin, carpropamid, diclocymet, fenfuram, fenhexamid, flutolanil, furametpyr, isotianil, kiralaxyl, mandipropamid, mepronil, metalaxyl, ofurace, oxadixyl, oxycarboxin, penthiopyrad, silthiofam, thifluzamide, tiadinil, N-(3',4'-dichloro-5-fluoro-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(2-(1,3-dimethyl-butyl)-phenyl)-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxylic acid amide, N-(4'-chloro-3',5-difluoro-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(4'-chloro-3',5-difluoro-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(3',4'-dichloro-5-fluoro-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(3',5-difluoro-4'-methyl-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(3',5-difluoro-4'-methyl-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(cis-2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(trans-2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide;
- 30 carbonic acid morpholides: dimethomorph, flumorph;
benzoic acid amides: flumetover, fluopicolide, fluopyram, zoxamide;
- C) azoles, such as triazoles: azaconazole, bitertanol, bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazole, flutriafol, hexaconazol, imibenconazole, ipconazole, metconazol, myclobutanil, oxpoconazol, paclobutrazol, penconazole, propiconazole, prothioconazole, simeconazole, tebuconazole, tetraconazole, triadimefon, triadimenol, triticonazole;
- 35 imidazoles: cyazofamid, imazalil, pefurazoate, prochloraz, triflumizole;

PF 58823

19

benzimidazoles: benomyl, carbendazim, fuberidazole, thiabendazole;
others: ethaboxam, etridiazole, hymexazole, 1-(4-chloro-phenyl)-1-(propin-2-yloxy)-3-(4-(3,4-dimethoxy-phenyl)-isoxazol-5-yl)-propan-2-one;

- 5 D) nitrogen containing heterocycles, such as pyridines: fluazinam, pyrifenox, 3-[5-(4-chloro-phenyl)-2,3-dimethyl-isoxazolidin-3-yl]-pyridine;
pyrimidines: bupirimate, cyprodinil, diflumetorim, fenarimol, ferimzone, mepanipyrim, nitrapyrin, nuarimol, pyrimethanil;
pyrroles: fenciclonil, fludioxonil;
morpholines: aldimorph, dodemorph, fenpropimorph, tridemorph;
10 dicarboximides: fluoroimid, iprodione, procymidone, vinclozolin;
non-aromatic five-membered rings: famoxadone, fenamidone, othilinone, probenazole;
others: acibenzolar-S-methyl, amisulbrom, anilazin, blasticidin-S, captafol, captan, chinomethionat, dazomet, debacarb, diclomezine, fenoxanil, fenpropidin, folpet,
15 piperalin, proquinazid, pyroquilon, quinoxifen, triazoxid, tricyclazole, tricyclazole, triforine, 5-chloro-7-(4-methyl-piperidin-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, 2-butoxy-6-iodo-3-propyl-chromen-4-one
- E) carbamates and dithiocarbamates, such as: dithiocarbamates: ferbam, mancozeb, maneb, metam, metiram, propineb, thiram, zineb, ziram;
20 carbamates: diethofencarb, flubenthiavalicarb, iprovalicarb, propamocarb, valiphenal, N-(1-(1-(4-cyanophenyl)ethanesulfonyl)-but-2-yl) carbamic acid-(4-fluorophenyl) ester;
- F) guanidines, such as: dodine, guazatine, iminoctadine;
G) antibiotics: kasugamycin, polyoxine, streptomycin, validamycin A;
- 25 H) organometal compounds: fentin salts (e.g. fentin acetate, fentin chloride, fentin hydroxide);
- I) sulphur containing heterocycles, such as: dithianon, isoprothiolane;
- J) organophosphorous compounds, such as: edifenphos, fosetyl, fosetyl-aluminium, iprobenfos, pyrazophos, tolclofos-methyl;
- 30 K) organochloro compounds, such as: chlorothalonil, dichlofluanid, dichlorophen, flusulfamide, hexachlorbenzene, pencycuron, phthalide, quintozone, thiophanate-methyl, tolyfluanid;
- L) inorganic compounds, such as: sulphur, phosphorous acid (H₃PO₃) and its salts, copper salts, e. g. bordeaux mixture, copper acetate, copper hydroxide, copper
35 oxychloride, basic copper sulphate;
- M) nitrophenyl derivatives, such as: binapacryl, dicloran, dinobuton, dinocap, tecnazen;
- N) growth retardants: prohexadione and its salts, trinexapac-ethyl, chlormequat, mepiquat-chloride and diflufenzopyr;

PF 58823

20

O) others: bronopol, cyflufenamid, cymoxanil, diphenylamin, metrafenone, mildiomyacin, spiroxamine, tolylfluanid, N-(cyclopropylmethoxyimino-(6-difluoromethoxy-2,3-difluoro-phenyl)-methyl)-2-phenyl acetamide.

- 5 Preferred fungicides are those selected from the group consisting of
- azoles: benomyl, difenoconazole, epoxiconazole, fluquinconazole, flutriafol, hymexazole, imazalil, metconazole, prothioconazole, tebuconazole; thiabendazole, triadimenol, prochloraz, triticonazole, carbendazim;
 - strobilurins: azoxystrobin, kresoxim-methyl, orysastrobin, pyraclostrobin,
 - 10 trifloxystrobin;
 - carboxamides, such as boscalid, carboxin, metalaxyl, oxadixyl, dimethomorph; silthiofam, mandipropamid;
 - heterocyclic compounds, such as fludioxonil; captan, dazomet, pyrimethanil; iprodione;
 - carbamates, such as mancozeb, maneb, metiram, thiram;
 - 15 • other active compounds, selected from inorganic active compounds: sulphur, Bordeaux mixture, copper acetate, copper hydroxide, copper oxychloride, basic copper sulfate; others: guazatine, streptomycin.

20 The compounds II, their preparation and their action against harmful fungi is also known from prior art (cf.: Tomlin, The Pesticide Manual, 13th Ed., BCPC Publications 2003; <http://www.hclrss.demon.co.uk/index.html>).

25 Another preferred embodiments relate to the compositions listed in table B, where in each case one row of table B corresponds to a fungicidal and plant health increasing composition comprising the particular compound of the formula I mentioned (component 1) and one active compound of the groups mentioned, this active compound preferably being selected from the preferred embodiments defined above.

Table B

| Row | Component 1 | Component 2 |
|-----|-------------|------------------------------------|
| B-1 | Tab. 1, I-9 | an active compound II from group A |
| B-2 | Tab. 1, I-9 | an active compound II from group B |
| B-3 | Tab. 1, I-9 | an active compound II from group C |
| B-4 | Tab. 1, I-9 | an active compound II from group D |
| B-5 | Tab. 1, I-9 | an active compound II from group E |
| B-6 | Tab. 1, I-9 | an active compound II from group F |
| B-7 | Tab. 1, I-9 | an active compound II from group G |
| B-8 | Tab. 1, I-9 | an active compound II from group H |

PF 58823

21

| Row | Component 1 | Component 2 |
|------|--------------|------------------------------------|
| B-9 | Tab. 1, I-9 | an active compound II from group I |
| B-10 | Tab. 1, I-9 | an active compound II from group J |
| B-11 | Tab. 1, I-9 | an active compound II from group K |
| B-12 | Tab. 1, I-9 | an active compound II from group L |
| B-13 | Tab. 1, I-9 | an active compound II from group M |
| B-14 | Tab. 1, I-9 | an active compound II from group N |
| B-15 | Tab. 1, I-9 | an active compound II from group O |
| B-16 | Tab. 1, I-18 | an active compound II from group A |
| B-17 | Tab. 1, I-18 | an active compound II from group B |
| B-18 | Tab. 1, I-18 | an active compound II from group C |
| B-19 | Tab. 1, I-18 | an active compound II from group D |
| B-20 | Tab. 1, I-18 | an active compound II from group E |
| B-21 | Tab. 1, I-18 | an active compound II from group F |
| B-22 | Tab. 1, I-18 | an active compound II from group G |
| B-23 | Tab. 1, I-18 | an active compound II from group H |
| B-24 | Tab. 1, I-18 | an active compound II from group I |
| B-25 | Tab. 1, I-18 | an active compound II from group J |
| B-26 | Tab. 1, I-18 | an active compound II from group K |
| B-27 | Tab. 1, I-18 | an active compound II from group L |
| B-28 | Tab. 1, I-18 | an active compound II from group M |
| B-29 | Tab. 1, I-18 | an active compound II from group N |
| B-30 | Tab. 1, I-18 | an active compound II from group O |
| B-31 | Tab. 1, I-25 | an active compound II from group A |
| B-32 | Tab. 1, I-25 | an active compound II from group B |
| B-33 | Tab. 1, I-25 | an active compound II from group C |
| B-34 | Tab. 1, I-25 | an active compound II from group D |
| B-35 | Tab. 1, I-25 | an active compound II from group E |
| B-36 | Tab. 1, I-25 | an active compound II from group F |
| B-37 | Tab. 1, I-25 | an active compound II from group G |
| B-38 | Tab. 1, I-25 | an active compound II from group H |
| B-39 | Tab. 1, I-25 | an active compound II from group I |
| B-40 | Tab. 1, I-25 | an active compound II from group J |
| B-41 | Tab. 1, I-25 | an active compound II from group K |
| B-42 | Tab. 1, I-25 | an active compound II from group L |
| B-43 | Tab. 1, I-25 | an active compound II from group M |
| B-44 | Tab. 1, I-25 | an active compound II from group N |

PF 58823

22

| Row | Component 1 | Component 2 |
|------|---------------|------------------------------------|
| B-45 | Tab. 1, I-25 | an active compound II from group O |
| B-46 | Tab. 1, I-28 | an active compound II from group A |
| B-47 | Tab. 1, I-28 | an active compound II from group B |
| B-48 | Tab. 1, I-28 | an active compound II from group C |
| B-49 | Tab. 1, I-28 | an active compound II from group D |
| B-50 | Tab. 1, I-28 | an active compound II from group E |
| B-51 | Tab. 1, I-28 | an active compound II from group F |
| B-52 | Tab. 1, I-28 | an active compound II from group G |
| B-53 | Tab. 1, I-28 | an active compound II from group H |
| B-54 | Tab. 1, I-28 | an active compound II from group I |
| B-55 | Tab. 1, I-28 | an active compound II from group J |
| B-56 | Tab. 1, I-28 | an active compound II from group K |
| B-57 | Tab. 1, I-28 | an active compound II from group L |
| B-58 | Tab. 1, I-28 | an active compound II from group M |
| B-59 | Tab. 1, I-28 | an active compound II from group N |
| B-60 | Tab. 1, I-28 | an active compound II from group O |
| B-61 | Tab. 1, I-98 | an active compound II from group A |
| B-62 | Tab. 1, I-98 | an active compound II from group B |
| B-63 | Tab. 1, I-98 | an active compound II from group C |
| B-64 | Tab. 1, I-98 | an active compound II from group D |
| B-65 | Tab. 1, I-98 | an active compound II from group E |
| B-66 | Tab. 1, I-98 | an active compound II from group F |
| B-67 | Tab. 1, I-98 | an active compound II from group G |
| B-68 | Tab. 1, I-98 | an active compound II from group H |
| B-69 | Tab. 1, I-98 | an active compound II from group I |
| B-70 | Tab. 1, I-98 | an active compound II from group J |
| B-71 | Tab. 1, I-98 | an active compound II from group K |
| B-72 | Tab. 1, I-98 | an active compound II from group L |
| B-73 | Tab. 1, I-98 | an active compound II from group M |
| B-74 | Tab. 1, I-98 | an active compound II from group N |
| B-75 | Tab. 1, I-98 | an active compound II from group O |
| B-76 | Tab. 1, I-101 | an active compound II from group A |
| B-77 | Tab. 1, I-101 | an active compound II from group B |
| B-78 | Tab. 1, I-101 | an active compound II from group C |
| B-79 | Tab. 1, I-101 | an active compound II from group D |
| B-80 | Tab. 1, I-101 | an active compound II from group E |

PF 58823

23

| Row | Component 1 | Component 2 |
|-------|---------------|------------------------------------|
| B-81 | Tab. 1, I-101 | an active compound II from group F |
| B-82 | Tab. 1, I-101 | an active compound II from group G |
| B-83 | Tab. 1, I-101 | an active compound II from group H |
| B-84 | Tab. 1, I-101 | an active compound II from group I |
| B-85 | Tab. 1, I-101 | an active compound II from group J |
| B-86 | Tab. 1, I-101 | an active compound II from group K |
| B-87 | Tab. 1, I-101 | an active compound II from group L |
| B-88 | Tab. 1, I-101 | an active compound II from group M |
| B-89 | Tab. 1, I-101 | an active compound II from group N |
| B-90 | Tab. 1, I-101 | an active compound II from group O |
| B-91 | Tab. 1, I-110 | an active compound II from group A |
| B-92 | Tab. 1, I-110 | an active compound II from group B |
| B-93 | Tab. 1, I-110 | an active compound II from group C |
| B-94 | Tab. 1, I-110 | an active compound II from group D |
| B-95 | Tab. 1, I-110 | an active compound II from group E |
| B-96 | Tab. 1, I-110 | an active compound II from group F |
| B-97 | Tab. 1, I-110 | an active compound II from group G |
| B-98 | Tab. 1, I-110 | an active compound II from group H |
| B-99 | Tab. 1, I-110 | an active compound II from group I |
| B-100 | Tab. 1, I-110 | an active compound II from group J |
| B-101 | Tab. 1, I-110 | an active compound II from group K |
| B-102 | Tab. 1, I-110 | an active compound II from group L |
| B-103 | Tab. 1, I-110 | an active compound II from group M |
| B-104 | Tab. 1, I-110 | an active compound II from group N |
| B-105 | Tab. 1, I-110 | an active compound II from group O |
| B-106 | Tab. 1, I-113 | an active compound II from group A |
| B-107 | Tab. 1, I-113 | an active compound II from group B |
| B-108 | Tab. 1, I-113 | an active compound II from group C |
| B-109 | Tab. 1, I-113 | an active compound II from group D |
| B-110 | Tab. 1, I-113 | an active compound II from group E |
| B-111 | Tab. 1, I-113 | an active compound II from group F |
| B-112 | Tab. 1, I-113 | an active compound II from group G |
| B-113 | Tab. 1, I-113 | an active compound II from group H |
| B-114 | Tab. 1, I-113 | an active compound II from group I |
| B-115 | Tab. 1, I-113 | an active compound II from group J |
| B-116 | Tab. 1, I-113 | an active compound II from group K |

PF 58823

24

| Row | Component 1 | Component 2 |
|-------|---------------|------------------------------------|
| B-117 | Tab. 1, I-113 | an active compound II from group L |
| B-118 | Tab. 1, I-113 | an active compound II from group M |
| B-119 | Tab. 1, I-113 | an active compound II from group N |
| B-120 | Tab. 1, I-113 | an active compound II from group O |
| B-121 | Tab. 1, I-120 | an active compound II from group A |
| B-122 | Tab. 1, I-120 | an active compound II from group B |
| B-123 | Tab. 1, I-120 | an active compound II from group C |
| B-124 | Tab. 1, I-120 | an active compound II from group D |
| B-125 | Tab. 1, I-120 | an active compound II from group E |
| B-126 | Tab. 1, I-120 | an active compound II from group F |
| B-127 | Tab. 1, I-120 | an active compound II from group G |
| B-128 | Tab. 1, I-120 | an active compound II from group H |
| B-129 | Tab. 1, I-120 | an active compound II from group I |
| B-130 | Tab. 1, I-120 | an active compound II from group J |
| B-131 | Tab. 1, I-120 | an active compound II from group K |
| B-132 | Tab. 1, I-120 | an active compound II from group L |
| B-133 | Tab. 1, I-120 | an active compound II from group M |
| B-134 | Tab. 1, I-120 | an active compound II from group N |
| B-135 | Tab. 1, I-120 | an active compound II from group O |
| B-136 | Tab. 1, I-180 | an active compound II from group A |
| B-137 | Tab. 1, I-180 | an active compound II from group B |
| B-138 | Tab. 1, I-180 | an active compound II from group C |
| B-139 | Tab. 1, I-180 | an active compound II from group D |
| B-140 | Tab. 1, I-180 | an active compound II from group E |
| B-141 | Tab. 1, I-180 | an active compound II from group F |
| B-142 | Tab. 1, I-180 | an active compound II from group G |
| B-143 | Tab. 1, I-180 | an active compound II from group H |
| B-144 | Tab. 1, I-180 | an active compound II from group I |
| B-145 | Tab. 1, I-180 | an active compound II from group J |
| B-146 | Tab. 1, I-180 | an active compound II from group K |
| B-147 | Tab. 1, I-180 | an active compound II from group L |
| B-148 | Tab. 1, I-180 | an active compound II from group M |
| B-149 | Tab. 1, I-180 | an active compound II from group N |
| B-150 | Tab. 1, I-180 | an active compound II from group O |
| B-151 | Tab. 1, I-245 | an active compound II from group A |
| B-152 | Tab. 1, I-245 | an active compound II from group B |

PF 58823

25

| Row | Component 1 | Component 2 |
|-------|---------------|------------------------------------|
| B-153 | Tab. 1, I-245 | an active compound II from group C |
| B-154 | Tab. 1, I-245 | an active compound II from group D |
| B-155 | Tab. 1, I-245 | an active compound II from group E |
| B-156 | Tab. 1, I-245 | an active compound II from group F |
| B-157 | Tab. 1, I-245 | an active compound II from group G |
| B-158 | Tab. 1, I-245 | an active compound II from group H |
| B-159 | Tab. 1, I-245 | an active compound II from group I |
| B-160 | Tab. 1, I-245 | an active compound II from group J |
| B-161 | Tab. 1, I-245 | an active compound II from group K |
| B-162 | Tab. 1, I-245 | an active compound II from group L |
| B-163 | Tab. 1, I-245 | an active compound II from group M |
| B-164 | Tab. 1, I-245 | an active compound II from group N |
| B-165 | Tab. 1, I-245 | an active compound II from group O |
| B-166 | Tab. 1, I-290 | an active compound II from group A |
| B-167 | Tab. 1, I-290 | an active compound II from group B |
| B-168 | Tab. 1, I-290 | an active compound II from group C |
| B-169 | Tab. 1, I-290 | an active compound II from group D |
| B-170 | Tab. 1, I-290 | an active compound II from group E |
| B-171 | Tab. 1, I-290 | an active compound II from group F |
| B-172 | Tab. 1, I-290 | an active compound II from group F |
| B-173 | Tab. 1, I-290 | an active compound II from group G |
| B-174 | Tab. 1, I-290 | an active compound II from group H |
| B-175 | Tab. 1, I-290 | an active compound II from group I |
| B-176 | Tab. 1, I-290 | an active compound II from group J |
| B-177 | Tab. 1, I-290 | an active compound II from group K |
| B-178 | Tab. 1, I-290 | an active compound II from group L |
| B-179 | Tab. 1, I-290 | an active compound II from group M |
| B-180 | Tab. 1, I-290 | an active compound II from group N |
| B-181 | Tab. 1, I-290 | an active compound II from group O |

In another embodiment the mixture comprises three active ingredients. The respective preferred embodiments are in accordance with the above-mentioned ones. Examples of such ternary mixtures are listed in table C.

- Preferred ternary mixtures, comprising a compound of formula I as component 1, and a fungicide II as component 2, and a further fungicide as component 3, are listed in following table C; therein „TAP“ stands for 5-chloro-7-(4-methyl-piperidin-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidine; „H₃PO₃“ stands for phosphorous acid

PF 58823

26

and its alkali metal, and earth alkali metall salts; „Cu“ stands for copper fungicides defined in the outset:

Table C:

| No. | Component 1 | Component 2 | Component 3 |
|------|-------------|-----------------|--------------------------------|
| C-1 | I-1 | ethaboxam | kresoxim-methyl |
| C-2 | I-1 | ethaboxam | orysastrobin |
| C-3 | I-1 | ethaboxam | pyraclostrobin |
| C-4 | I-1 | ethaboxam | boscalid |
| C-5 | I-1 | ethaboxam | dimethomorph |
| C-6 | I-1 | ethaboxam | boscalid |
| C-7 | I-1 | ethaboxam | TAP |
| C-8 | I-1 | ethaboxam | mancozeb |
| C-9 | I-1 | ethaboxam | metiram |
| C-10 | I-1 | ethaboxam | dithianon |
| C-11 | I-1 | ethaboxam | fosethyl-Al |
| C-12 | I-1 | ethaboxam | H ₃ PO ₃ |
| C-13 | I-1 | ethaboxam | Cu |
| C-14 | I-1 | kresoxim-methyl | ethaboxam |
| C-15 | I-1 | kresoxim-methyl | orysastrobin |
| C-16 | I-1 | kresoxim-methyl | pyraclostrobin |
| C-17 | I-1 | kresoxim-methyl | boscalid |
| C-18 | I-1 | kresoxim-methyl | dimethomorph |
| C-19 | I-1 | kresoxim-methyl | boscalid |
| C-20 | I-1 | kresoxim-methyl | TAP |
| C-21 | I-1 | kresoxim-methyl | mancozeb |
| C-22 | I-1 | kresoxim-methyl | metiram |
| C-23 | I-1 | kresoxim-methyl | dithianon |
| C-24 | I-1 | kresoxim-methyl | fosethyl-Al |
| C-25 | I-1 | kresoxim-methyl | H ₃ PO ₃ |
| C-26 | I-1 | kresoxim-methyl | Cu |
| C-27 | I-1 | orysastrobin | ethaboxam |
| C-28 | I-1 | orysastrobin | kresoxim-methyl |
| C-29 | I-1 | orysastrobin | pyraclostrobin |
| C-30 | I-1 | orysastrobin | boscalid |
| C-31 | I-1 | orysastrobin | dimethomorph |
| C-32 | I-1 | orysastrobin | boscalid |

PF 58823

27

| No. | Component 1 | Component 2 | Component 3 |
|------|-------------|----------------|--------------------------------|
| C-33 | I-1 | orysastrobin | TAP |
| C-34 | I-1 | orysastrobin | mancozeb |
| C-35 | I-1 | orysastrobin | metiram |
| C-36 | I-1 | orysastrobin | dithianon |
| C-37 | I-1 | orysastrobin | fosethyl-Al |
| C-38 | I-1 | orysastrobin | H ₃ PO ₃ |
| C-39 | I-1 | orysastrobin | Cu |
| C-40 | I-1 | pyraclostrobin | ethaboxam |
| C-41 | I-1 | pyraclostrobin | kresoxim-methyl |
| C-42 | I-1 | pyraclostrobin | orysastrobin |
| C-43 | I-1 | pyraclostrobin | boscalid |
| C-44 | I-1 | pyraclostrobin | dimethomorph |
| C-45 | I-1 | pyraclostrobin | boscalid |
| C-46 | I-1 | pyraclostrobin | TAP |
| C-47 | I-1 | pyraclostrobin | mancozeb |
| C-48 | I-1 | pyraclostrobin | metiram |
| C-49 | I-1 | pyraclostrobin | dithianon |
| C-50 | I-1 | pyraclostrobin | fosethyl-Al |
| C-51 | I-1 | pyraclostrobin | H ₃ PO ₃ |
| C-52 | I-1 | pyraclostrobin | Cu |
| C-53 | I-1 | boscalid | ethaboxam |
| C-54 | I-1 | boscalid | kresoxim-methyl |
| C-55 | I-1 | boscalid | orysastrobin |
| C-56 | I-1 | boscalid | pyraclostrobin |
| C-57 | I-1 | boscalid | dimethomorph |
| C-58 | I-1 | boscalid | TAP |
| C-59 | I-1 | boscalid | mancozeb |
| C-60 | I-1 | boscalid | metiram |
| C-61 | I-1 | boscalid | dithianon |
| C-62 | I-1 | boscalid | fosethyl-Al |
| C-63 | I-1 | boscalid | H ₃ PO ₃ |
| C-64 | I-1 | boscalid | Cu |
| C-65 | I-1 | dimethomorph | ethaboxam |
| C-66 | I-1 | dimethomorph | kresoxim-methyl |
| C-67 | I-1 | dimethomorph | orysastrobin |
| C-68 | I-1 | dimethomorph | pyraclostrobin |

PF 58823

28

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------|--------------------------------|
| C-69 | I-1 | dimethomorph | boscalid |
| C-70 | I-1 | dimethomorph | TAP |
| C-71 | I-1 | dimethomorph | mancozeb |
| C-72 | I-1 | dimethomorph | metiram |
| C-73 | I-1 | dimethomorph | dithianon |
| C-74 | I-1 | dimethomorph | fosetyl-Al |
| C-75 | I-1 | dimethomorph | H ₃ PO ₃ |
| C-76 | I-1 | dimethomorph | Cu |
| C-77 | I-1 | TAP | ethaboxam |
| C-78 | I-1 | TAP | kresoxim-methyl |
| C-79 | I-1 | TAP | orysastrobin |
| C-80 | I-1 | TAP | pyraclostrobin |
| C-81 | I-1 | TAP | boscalid |
| C-82 | I-1 | TAP | dimethomorph |
| C-83 | I-1 | TAP | mancozeb |
| C-84 | I-1 | TAP | metiram |
| C-85 | I-1 | TAP | dithianon |
| C-86 | I-1 | TAP | fosetyl-Al |
| C-87 | I-1 | TAP | H ₃ PO ₃ |
| C-88 | I-1 | TAP | Cu |
| C-89 | I-1 | mancozeb | ethaboxam |
| C-90 | I-1 | mancozeb | kresoxim-methyl |
| C-91 | I-1 | mancozeb | orysastrobin |
| C-92 | I-1 | mancozeb | pyraclostrobin |
| C-93 | I-1 | mancozeb | boscalid |
| C-94 | I-1 | mancozeb | dimethomorph |
| C-95 | I-1 | mancozeb | TAP |
| C-96 | I-1 | mancozeb | metiram |
| C-97 | I-1 | mancozeb | dithianon |
| C-98 | I-1 | mancozeb | fosetyl-Al |
| C-99 | I-1 | mancozeb | H ₃ PO ₃ |
| C-100 | I-1 | mancozeb | Cu |
| C-101 | I-1 | metiram | ethaboxam |
| C-102 | I-1 | metiram | kresoxim-methyl |
| C-103 | I-1 | metiram | orysastrobin |
| C-104 | I-1 | metiram | pyraclostrobin |

PF 58823

29

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-105 | I-1 | metiram | boscalid |
| C-106 | I-1 | metiram | dimethomorph |
| C-107 | I-1 | metiram | TAP |
| C-108 | I-1 | metiram | mancozeb |
| C-109 | I-1 | metiram | dithianon |
| C-110 | I-1 | metiram | fosethyl-Al |
| C-111 | I-1 | metiram | H ₃ PO ₃ |
| C-112 | I-1 | metiram | Cu |
| C-113 | I-1 | dithianon | ethaboxam |
| C-114 | I-1 | dithianon | kresoxim-methyl |
| C-115 | I-1 | dithianon | orysastrobin |
| C-116 | I-1 | dithianon | pyraclostrobin |
| C-117 | I-1 | dithianon | boscalid |
| C-118 | I-1 | dithianon | dimethomorph |
| C-119 | I-1 | dithianon | TAP |
| C-120 | I-1 | dithianon | mancozeb |
| C-121 | I-1 | dithianon | metiram |
| C-122 | I-1 | dithianon | fosethyl-Al |
| C-123 | I-1 | dithianon | H ₃ PO ₃ |
| C-124 | I-1 | dithianon | Cu |
| C-125 | I-1 | fosethyl-Al | ethaboxam |
| C-126 | I-1 | fosethyl-Al | kresoxim-methyl |
| C-127 | I-1 | fosethyl-Al | orysastrobin |
| C-128 | I-1 | fosethyl-Al | pyraclostrobin |
| C-129 | I-1 | fosethyl-Al | boscalid |
| C-130 | I-1 | fosethyl-Al | dimethomorph |
| C-131 | I-1 | fosethyl-Al | TAP |
| C-132 | I-1 | fosethyl-Al | mancozeb |
| C-133 | I-1 | fosethyl-Al | metiram |
| C-134 | I-1 | fosethyl-Al | dithianon |
| C-135 | I-1 | fosethyl-Al | H ₃ PO ₃ |
| C-136 | I-1 | fosethyl-Al | Cu |
| C-137 | I-1 | H ₃ PO ₃ | ethaboxam |
| C-138 | I-1 | H ₃ PO ₃ | kresoxim-methyl |
| C-139 | I-1 | H ₃ PO ₃ | orysastrobin |
| C-140 | I-1 | H ₃ PO ₃ | pyraclostrobin |

PF 58823

30

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-141 | I-1 | H ₃ PO ₃ | boscalid |
| C-142 | I-1 | H ₃ PO ₃ | dimethomorph |
| C-143 | I-1 | H ₃ PO ₃ | TAP |
| C-144 | I-1 | H ₃ PO ₃ | mancozeb |
| C-145 | I-1 | H ₃ PO ₃ | metiram |
| C-146 | I-1 | H ₃ PO ₃ | dithianon |
| C-147 | I-1 | H ₃ PO ₃ | fosethyl-Al |
| C-148 | I-1 | H ₃ PO ₃ | Cu |
| C-149 | I-1 | Cu | ethaboxam |
| C-150 | I-1 | Cu | kresoxim-methyl |
| C-151 | I-1 | Cu | orysastrobin |
| C-152 | I-1 | Cu | pyraclostrobin |
| C-153 | I-1 | Cu | boscalid |
| C-154 | I-1 | Cu | dimethomorph |
| C-155 | I-1 | Cu | TAP |
| C-156 | I-1 | Cu | mancozeb |
| C-157 | I-1 | Cu | metiram |
| C-158 | I-1 | Cu | dithianon |
| C-159 | I-1 | Cu | fosethyl-Al |
| C-160 | I-1 | Cu | H ₃ PO ₃ |
| C-161 | I-2 | ethaboxam | kresoxim-methyl |
| C-162 | I-2 | ethaboxam | orysastrobin |
| C-163 | I-2 | ethaboxam | pyraclostrobin |
| C-164 | I-2 | ethaboxam | boscalid |
| C-165 | I-2 | ethaboxam | dimethomorph |
| C-166 | I-2 | ethaboxam | boscalid |
| C-167 | I-2 | ethaboxam | TAP |
| C-168 | I-2 | ethaboxam | mancozeb |
| C-169 | I-2 | ethaboxam | metiram |
| C-170 | I-2 | ethaboxam | dithianon |
| C-171 | I-2 | ethaboxam | fosethyl-Al |
| C-172 | I-2 | ethaboxam | H ₃ PO ₃ |
| C-173 | I-2 | ethaboxam | Cu |
| C-174 | I-2 | kresoxim-methyl | ethaboxam |
| C-175 | I-2 | kresoxim-methyl | orysastrobin |
| C-176 | I-2 | kresoxim-methyl | pyraclostrobin |

PF 58823

31

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-177 | I-2 | kresoxim-methyl | boscalid |
| C-178 | I-2 | kresoxim-methyl | dimethomorph |
| C-179 | I-2 | kresoxim-methyl | boscalid |
| C-180 | I-2 | kresoxim-methyl | TAP |
| C-181 | I-2 | kresoxim-methyl | mancozeb |
| C-182 | I-2 | kresoxim-methyl | metiram |
| C-183 | I-2 | kresoxim-methyl | dithianon |
| C-184 | I-2 | kresoxim-methyl | fosethyl-Al |
| C-185 | I-2 | kresoxim-methyl | H ₃ PO ₃ |
| C-186 | I-2 | kresoxim-methyl | Cu |
| C-187 | I-2 | orysastrobin | ethaboxam |
| C-188 | I-2 | orysastrobin | kresoxim-methyl |
| C-189 | I-2 | orysastrobin | pyraclostrobin |
| C-190 | I-2 | orysastrobin | boscalid |
| C-191 | I-2 | orysastrobin | dimethomorph |
| C-192 | I-2 | orysastrobin | boscalid |
| C-193 | I-2 | orysastrobin | TAP |
| C-194 | I-2 | orysastrobin | mancozeb |
| C-195 | I-2 | orysastrobin | metiram |
| C-196 | I-2 | orysastrobin | dithianon |
| C-197 | I-2 | orysastrobin | fosethyl-Al |
| C-198 | I-2 | orysastrobin | H ₃ PO ₃ |
| C-199 | I-2 | orysastrobin | Cu |
| C-200 | I-2 | pyraclostrobin | ethaboxam |
| C-201 | I-2 | pyraclostrobin | kresoxim-methyl |
| C-202 | I-2 | pyraclostrobin | orysastrobin |
| C-203 | I-2 | pyraclostrobin | boscalid |
| C-204 | I-2 | pyraclostrobin | dimethomorph |
| C-205 | I-2 | pyraclostrobin | boscalid |
| C-206 | I-2 | pyraclostrobin | TAP |
| C-207 | I-2 | pyraclostrobin | mancozeb |
| C-208 | I-2 | pyraclostrobin | metiram |
| C-209 | I-2 | pyraclostrobin | dithianon |
| C-210 | I-2 | pyraclostrobin | fosethyl-Al |
| C-211 | I-2 | pyraclostrobin | H ₃ PO ₃ |
| C-212 | I-2 | pyraclostrobin | Cu |

PF 58823

32

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------|--------------------------------|
| C-213 | I-2 | boscalid | ethaboxam |
| C-214 | I-2 | boscalid | kresoxim-methyl |
| C-215 | I-2 | boscalid | orysastrobin |
| C-216 | I-2 | boscalid | pyraclostrobin |
| C-217 | I-2 | boscalid | dimethomorph |
| C-218 | I-2 | boscalid | TAP |
| C-219 | I-2 | boscalid | mancozeb |
| C-220 | I-2 | boscalid | metiram |
| C-221 | I-2 | boscalid | dithianon |
| C-222 | I-2 | boscalid | fosethyl-Al |
| C-223 | I-2 | boscalid | H ₃ PO ₃ |
| C-224 | I-2 | boscalid | Cu |
| C-225 | I-2 | dimethomorph | ethaboxam |
| C-226 | I-2 | dimethomorph | kresoxim-methyl |
| C-227 | I-2 | dimethomorph | orysastrobin |
| C-228 | I-2 | dimethomorph | pyraclostrobin |
| C-229 | I-2 | dimethomorph | boscalid |
| C-230 | I-2 | dimethomorph | TAP |
| C-231 | I-2 | dimethomorph | mancozeb |
| C-232 | I-2 | dimethomorph | metiram |
| C-233 | I-2 | dimethomorph | dithianon |
| C-234 | I-2 | dimethomorph | fosethyl-Al |
| C-235 | I-2 | dimethomorph | H ₃ PO ₃ |
| C-236 | I-2 | dimethomorph | Cu |
| C-237 | I-2 | TAP | ethaboxam |
| C-238 | I-2 | TAP | kresoxim-methyl |
| C-239 | I-2 | TAP | orysastrobin |
| C-240 | I-2 | TAP | pyraclostrobin |
| C-241 | I-2 | TAP | boscalid |
| C-242 | I-2 | TAP | dimethomorph |
| C-243 | I-2 | TAP | mancozeb |
| C-244 | I-2 | TAP | metiram |
| C-245 | I-2 | TAP | dithianon |
| C-246 | I-2 | TAP | fosethyl-Al |
| C-247 | I-2 | TAP | H ₃ PO ₃ |
| C-248 | I-2 | TAP | Cu |

PF 58823

33

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-------------|--------------------------------|
| C-249 | I-2 | mancozeb | ethaboxam |
| C-250 | I-2 | mancozeb | kresoxim-methyl |
| C-251 | I-2 | mancozeb | orysastrobin |
| C-252 | I-2 | mancozeb | pyraclostrobin |
| C-253 | I-2 | mancozeb | boscalid |
| C-254 | I-2 | mancozeb | dimethomorph |
| C-255 | I-2 | mancozeb | TAP |
| C-256 | I-2 | mancozeb | metiram |
| C-257 | I-2 | mancozeb | dithianon |
| C-258 | I-2 | mancozeb | fosethyl-Al |
| C-259 | I-2 | mancozeb | H ₃ PO ₃ |
| C-260 | I-2 | mancozeb | Cu |
| C-261 | I-2 | metiram | ethaboxam |
| C-262 | I-2 | metiram | kresoxim-methyl |
| C-263 | I-2 | metiram | orysastrobin |
| C-264 | I-2 | metiram | pyraclostrobin |
| C-265 | I-2 | metiram | boscalid |
| C-266 | I-2 | metiram | dimethomorph |
| C-267 | I-2 | metiram | TAP |
| C-268 | I-2 | metiram | mancozeb |
| C-269 | I-2 | metiram | dithianon |
| C-270 | I-2 | metiram | fosethyl-Al |
| C-271 | I-2 | metiram | H ₃ PO ₃ |
| C-272 | I-2 | metiram | Cu |
| C-273 | I-2 | dithianon | ethaboxam |
| C-274 | I-2 | dithianon | kresoxim-methyl |
| C-275 | I-2 | dithianon | orysastrobin |
| C-276 | I-2 | dithianon | pyraclostrobin |
| C-277 | I-2 | dithianon | boscalid |
| C-278 | I-2 | dithianon | dimethomorph |
| C-279 | I-2 | dithianon | TAP |
| C-280 | I-2 | dithianon | mancozeb |
| C-281 | I-2 | dithianon | metiram |
| C-282 | I-2 | dithianon | fosethyl-Al |
| C-283 | I-2 | dithianon | H ₃ PO ₃ |
| C-284 | I-2 | dithianon | Cu |

PF 58823

34

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-285 | I-2 | fosethyl-Al | ethaboxam |
| C-286 | I-2 | fosethyl-Al | kresoxim-methyl |
| C-287 | I-2 | fosethyl-Al | orysastrobin |
| C-288 | I-2 | fosethyl-Al | pyraclostrobin |
| C-289 | I-2 | fosethyl-Al | boscalid |
| C-290 | I-2 | fosethyl-Al | dimethomorph |
| C-291 | I-2 | fosethyl-Al | TAP |
| C-292 | I-2 | fosethyl-Al | mancozeb |
| C-293 | I-2 | fosethyl-Al | metiram |
| C-294 | I-2 | fosethyl-Al | dithianon |
| C-295 | I-2 | fosethyl-Al | H ₃ PO ₃ |
| C-296 | I-2 | fosethyl-Al | Cu |
| C-297 | I-2 | H ₃ PO ₃ | ethaboxam |
| C-298 | I-2 | H ₃ PO ₃ | kresoxim-methyl |
| C-299 | I-2 | H ₃ PO ₃ | orysastrobin |
| C-300 | I-2 | H ₃ PO ₃ | pyraclostrobin |
| C-301 | I-2 | H ₃ PO ₃ | boscalid |
| C-302 | I-2 | H ₃ PO ₃ | dimethomorph |
| C-303 | I-2 | H ₃ PO ₃ | TAP |
| C-304 | I-2 | H ₃ PO ₃ | mancozeb |
| C-305 | I-2 | H ₃ PO ₃ | metiram |
| C-306 | I-2 | H ₃ PO ₃ | dithianon |
| C-307 | I-2 | H ₃ PO ₃ | fosethyl-Al |
| C-308 | I-2 | H ₃ PO ₃ | Cu |
| C-309 | I-2 | Cu | ethaboxam |
| C-310 | I-2 | Cu | kresoxim-methyl |
| C-311 | I-2 | Cu | orysastrobin |
| C-312 | I-2 | Cu | pyraclostrobin |
| C-313 | I-2 | Cu | boscalid |
| C-314 | I-2 | Cu | dimethomorph |
| C-315 | I-2 | Cu | TAP |
| C-316 | I-2 | Cu | mancozeb |
| C-317 | I-2 | Cu | metiram |
| C-318 | I-2 | Cu | dithianon |
| C-319 | I-2 | Cu | fosethyl-Al |
| C-320 | I-2 | Cu | H ₃ PO ₃ |

PF 58823

35

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-321 | I-3 | ethaboxam | kresoxim-methyl |
| C-322 | I-3 | ethaboxam | orysastrobin |
| C-323 | I-3 | ethaboxam | pyraclostrobin |
| C-324 | I-3 | ethaboxam | boscalid |
| C-325 | I-3 | ethaboxam | dimethomorph |
| C-326 | I-3 | ethaboxam | boscalid |
| C-327 | I-3 | ethaboxam | TAP |
| C-328 | I-3 | ethaboxam | mancozeb |
| C-329 | I-3 | ethaboxam | metiram |
| C-330 | I-3 | ethaboxam | dithianon |
| C-331 | I-3 | ethaboxam | fosetyl-Al |
| C-332 | I-3 | ethaboxam | H ₃ PO ₃ |
| C-333 | I-3 | ethaboxam | Cu |
| C-334 | I-3 | kresoxim-methyl | ethaboxam |
| C-335 | I-3 | kresoxim-methyl | orysastrobin |
| C-336 | I-3 | kresoxim-methyl | pyraclostrobin |
| C-337 | I-3 | kresoxim-methyl | boscalid |
| C-338 | I-3 | kresoxim-methyl | dimethomorph |
| C-339 | I-3 | kresoxim-methyl | boscalid |
| C-340 | I-3 | kresoxim-methyl | TAP |
| C-341 | I-3 | kresoxim-methyl | mancozeb |
| C-342 | I-3 | kresoxim-methyl | metiram |
| C-343 | I-3 | kresoxim-methyl | dithianon |
| C-344 | I-3 | kresoxim-methyl | fosetyl-Al |
| C-345 | I-3 | kresoxim-methyl | H ₃ PO ₃ |
| C-346 | I-3 | kresoxim-methyl | Cu |
| C-347 | I-3 | orysastrobin | ethaboxam |
| C-348 | I-3 | orysastrobin | kresoxim-methyl |
| C-349 | I-3 | orysastrobin | pyraclostrobin |
| C-350 | I-3 | orysastrobin | boscalid |
| C-351 | I-3 | orysastrobin | dimethomorph |
| C-352 | I-3 | orysastrobin | boscalid |
| C-353 | I-3 | orysastrobin | TAP |
| C-354 | I-3 | orysastrobin | mancozeb |
| C-355 | I-3 | orysastrobin | metiram |
| C-356 | I-3 | orysastrobin | dithianon |

PF 58823

36

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|----------------|--------------------------------|
| C-357 | I-3 | orysastrobin | fosethyl-Al |
| C-358 | I-3 | orysastrobin | H ₃ PO ₃ |
| C-359 | I-3 | orysastrobin | Cu |
| C-360 | I-3 | pyraclostrobin | ethaboxam |
| C-361 | I-3 | pyraclostrobin | kresoxim-methyl |
| C-362 | I-3 | pyraclostrobin | orysastrobin |
| C-363 | I-3 | pyraclostrobin | boscalid |
| C-364 | I-3 | pyraclostrobin | dimethomorph |
| C-365 | I-3 | pyraclostrobin | boscalid |
| C-366 | I-3 | pyraclostrobin | TAP |
| C-367 | I-3 | pyraclostrobin | mancozeb |
| C-368 | I-3 | pyraclostrobin | metiram |
| C-369 | I-3 | pyraclostrobin | dithianon |
| C-370 | I-3 | pyraclostrobin | fosethyl-Al |
| C-371 | I-3 | pyraclostrobin | H ₃ PO ₃ |
| C-372 | I-3 | pyraclostrobin | Cu |
| C-373 | I-3 | boscalid | ethaboxam |
| C-374 | I-3 | boscalid | kresoxim-methyl |
| C-375 | I-3 | boscalid | orysastrobin |
| C-376 | I-3 | boscalid | pyraclostrobin |
| C-377 | I-3 | boscalid | dimethomorph |
| C-378 | I-3 | boscalid | TAP |
| C-379 | I-3 | boscalid | mancozeb |
| C-380 | I-3 | boscalid | metiram |
| C-381 | I-3 | boscalid | dithianon |
| C-382 | I-3 | boscalid | fosethyl-Al |
| C-383 | I-3 | boscalid | H ₃ PO ₃ |
| C-384 | I-3 | boscalid | Cu |
| C-385 | I-3 | dimethomorph | ethaboxam |
| C-386 | I-3 | dimethomorph | kresoxim-methyl |
| C-387 | I-3 | dimethomorph | orysastrobin |
| C-388 | I-3 | dimethomorph | pyraclostrobin |
| C-389 | I-3 | dimethomorph | boscalid |
| C-390 | I-3 | dimethomorph | TAP |
| C-391 | I-3 | dimethomorph | mancozeb |
| C-392 | I-3 | dimethomorph | metiram |

PF 58823

37

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------|--------------------------------|
| C-393 | I-3 | dimethomorph | dithianon |
| C-394 | I-3 | dimethomorph | fosethyl-Al |
| C-395 | I-3 | dimethomorph | H ₃ PO ₃ |
| C-396 | I-3 | dimethomorph | Cu |
| C-397 | I-3 | TAP | ethaboxam |
| C-398 | I-3 | TAP | kresoxim-methyl |
| C-399 | I-3 | TAP | orysastrobin |
| C-400 | I-3 | TAP | pyraclostrobin |
| C-401 | I-3 | TAP | boscalid |
| C-402 | I-3 | TAP | dimethomorph |
| C-403 | I-3 | TAP | mancozeb |
| C-404 | I-3 | TAP | metiram |
| C-405 | I-3 | TAP | dithianon |
| C-406 | I-3 | TAP | fosethyl-Al |
| C-407 | I-3 | TAP | H ₃ PO ₃ |
| C-408 | I-3 | TAP | Cu |
| C-409 | I-3 | mancozeb | ethaboxam |
| C-410 | I-3 | mancozeb | kresoxim-methyl |
| C-411 | I-3 | mancozeb | orysastrobin |
| C-412 | I-3 | mancozeb | pyraclostrobin |
| C-413 | I-3 | mancozeb | boscalid |
| C-414 | I-3 | mancozeb | dimethomorph |
| C-415 | I-3 | mancozeb | TAP |
| C-416 | I-3 | mancozeb | metiram |
| C-417 | I-3 | mancozeb | dithianon |
| C-418 | I-3 | mancozeb | fosethyl-Al |
| C-419 | I-3 | mancozeb | H ₃ PO ₃ |
| C-420 | I-3 | mancozeb | Cu |
| C-421 | I-3 | metiram | ethaboxam |
| C-422 | I-3 | metiram | kresoxim-methyl |
| C-423 | I-3 | metiram | orysastrobin |
| C-424 | I-3 | metiram | pyraclostrobin |
| C-425 | I-3 | metiram | boscalid |
| C-426 | I-3 | metiram | dimethomorph |
| C-427 | I-3 | metiram | TAP |
| C-428 | I-3 | metiram | mancozeb |

PF 58823

38

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-429 | I-3 | metiram | dithianon |
| C-430 | I-3 | metiram | fosethyl-Al |
| C-431 | I-3 | metiram | H ₃ PO ₃ |
| C-432 | I-3 | metiram | Cu |
| C-433 | I-3 | dithianon | ethaboxam |
| C-434 | I-3 | dithianon | kresoxim-methyl |
| C-435 | I-3 | dithianon | orysastrobin |
| C-436 | I-3 | dithianon | pyraclostrobin |
| C-437 | I-3 | dithianon | boscalid |
| C-438 | I-3 | dithianon | dimethomorph |
| C-439 | I-3 | dithianon | TAP |
| C-440 | I-3 | dithianon | mancozeb |
| C-441 | I-3 | dithianon | metiram |
| C-442 | I-3 | dithianon | fosethyl-Al |
| C-443 | I-3 | dithianon | H ₃ PO ₃ |
| C-444 | I-3 | dithianon | Cu |
| C-445 | I-3 | fosethyl-Al | ethaboxam |
| C-446 | I-3 | fosethyl-Al | kresoxim-methyl |
| C-447 | I-3 | fosethyl-Al | orysastrobin |
| C-448 | I-3 | fosethyl-Al | pyraclostrobin |
| C-449 | I-3 | fosethyl-Al | boscalid |
| C-450 | I-3 | fosethyl-Al | dimethomorph |
| C-451 | I-3 | fosethyl-Al | TAP |
| C-452 | I-3 | fosethyl-Al | mancozeb |
| C-453 | I-3 | fosethyl-Al | metiram |
| C-454 | I-3 | fosethyl-Al | dithianon |
| C-455 | I-3 | fosethyl-Al | H ₃ PO ₃ |
| C-456 | I-3 | fosethyl-Al | Cu |
| C-457 | I-3 | H ₃ PO ₃ | ethaboxam |
| C-458 | I-3 | H ₃ PO ₃ | kresoxim-methyl |
| C-459 | I-3 | H ₃ PO ₃ | orysastrobin |
| C-460 | I-3 | H ₃ PO ₃ | pyraclostrobin |
| C-461 | I-3 | H ₃ PO ₃ | boscalid |
| C-462 | I-3 | H ₃ PO ₃ | dimethomorph |
| C-463 | I-3 | H ₃ PO ₃ | TAP |
| C-464 | I-3 | H ₃ PO ₃ | mancozeb |

PF 58823

39

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-465 | I-3 | H ₃ PO ₃ | metiram |
| C-466 | I-3 | H ₃ PO ₃ | dithianon |
| C-467 | I-3 | H ₃ PO ₃ | fosethyl-Al |
| C-468 | I-3 | H ₃ PO ₃ | Cu |
| C-469 | I-3 | Cu | ethaboxam |
| C-470 | I-3 | Cu | kresoxim-methyl |
| C-471 | I-3 | Cu | orysastrobin |
| C-472 | I-3 | Cu | pyraclostrobin |
| C-473 | I-3 | Cu | boscalid |
| C-474 | I-3 | Cu | dimethomorph |
| C-475 | I-3 | Cu | TAP |
| C-476 | I-3 | Cu | mancozeb |
| C-477 | I-3 | Cu | metiram |
| C-478 | I-3 | Cu | dithianon |
| C-479 | I-3 | Cu | fosethyl-Al |
| C-480 | I-3 | Cu | H ₃ PO ₃ |
| C-481 | I-4 | ethaboxam | kresoxim-methyl |
| C-482 | I-4 | ethaboxam | orysastrobin |
| C-483 | I-4 | ethaboxam | pyraclostrobin |
| C-484 | I-4 | ethaboxam | boscalid |
| C-485 | I-4 | ethaboxam | dimethomorph |
| C-486 | I-4 | ethaboxam | boscalid |
| C-487 | I-4 | ethaboxam | TAP |
| C-488 | I-4 | ethaboxam | mancozeb |
| C-489 | I-4 | ethaboxam | metiram |
| C-490 | I-4 | ethaboxam | dithianon |
| C-491 | I-4 | ethaboxam | fosethyl-Al |
| C-492 | I-4 | ethaboxam | H ₃ PO ₃ |
| C-493 | I-4 | ethaboxam | Cu |
| C-494 | I-4 | kresoxim-methyl | ethaboxam |
| C-495 | I-4 | kresoxim-methyl | orysastrobin |
| C-496 | I-4 | kresoxim-methyl | pyraclostrobin |
| C-497 | I-4 | kresoxim-methyl | boscalid |
| C-498 | I-4 | kresoxim-methyl | dimethomorph |
| C-499 | I-4 | kresoxim-methyl | boscalid |
| C-500 | I-4 | kresoxim-methyl | TAP |

PF 58823

40

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-501 | I-4 | kresoxim-methyl | mancozeb |
| C-502 | I-4 | kresoxim-methyl | metiram |
| C-503 | I-4 | kresoxim-methyl | dithianon |
| C-504 | I-4 | kresoxim-methyl | fosethyl-Al |
| C-505 | I-4 | kresoxim-methyl | H ₃ PO ₃ |
| C-506 | I-4 | kresoxim-methyl | Cu |
| C-507 | I-4 | orysastrobin | ethaboxam |
| C-508 | I-4 | orysastrobin | kresoxim-methyl |
| C-509 | I-4 | orysastrobin | pyraclostrobin |
| C-510 | I-4 | orysastrobin | boscalid |
| C-511 | I-4 | orysastrobin | dimethomorph |
| C-512 | I-4 | orysastrobin | boscalid |
| C-513 | I-4 | orysastrobin | TAP |
| C-514 | I-4 | orysastrobin | mancozeb |
| C-515 | I-4 | orysastrobin | metiram |
| C-516 | I-4 | orysastrobin | dithianon |
| C-517 | I-4 | orysastrobin | fosethyl-Al |
| C-518 | I-4 | orysastrobin | H ₃ PO ₃ |
| C-519 | I-4 | orysastrobin | Cu |
| C-520 | I-4 | pyraclostrobin | ethaboxam |
| C-521 | I-4 | pyraclostrobin | kresoxim-methyl |
| C-522 | I-4 | pyraclostrobin | orysastrobin |
| C-523 | I-4 | pyraclostrobin | boscalid |
| C-524 | I-4 | pyraclostrobin | dimethomorph |
| C-525 | I-4 | pyraclostrobin | boscalid |
| C-526 | I-4 | pyraclostrobin | TAP |
| C-527 | I-4 | pyraclostrobin | mancozeb |
| C-528 | I-4 | pyraclostrobin | metiram |
| C-529 | I-4 | pyraclostrobin | dithianon |
| C-530 | I-4 | pyraclostrobin | fosethyl-Al |
| C-531 | I-4 | pyraclostrobin | H ₃ PO ₃ |
| C-532 | I-4 | pyraclostrobin | Cu |
| C-533 | I-4 | boscalid | ethaboxam |
| C-534 | I-4 | boscalid | kresoxim-methyl |
| C-535 | I-4 | boscalid | orysastrobin |
| C-536 | I-4 | boscalid | pyraclostrobin |

PF 58823

41

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------|--------------------------------|
| C-537 | I-4 | boscalid | dimethomorph |
| C-538 | I-4 | boscalid | TAP |
| C-539 | I-4 | boscalid | mancozeb |
| C-540 | I-4 | boscalid | metiram |
| C-541 | I-4 | boscalid | dithianon |
| C-542 | I-4 | boscalid | fosethyl-Al |
| C-543 | I-4 | boscalid | H ₃ PO ₃ |
| C-544 | I-4 | boscalid | Cu |
| C-545 | I-4 | dimethomorph | ethaboxam |
| C-546 | I-4 | dimethomorph | kresoxim-methyl |
| C-547 | I-4 | dimethomorph | orysastrobin |
| C-548 | I-4 | dimethomorph | pyraclostrobin |
| C-549 | I-4 | dimethomorph | boscalid |
| C-550 | I-4 | dimethomorph | TAP |
| C-551 | I-4 | dimethomorph | mancozeb |
| C-552 | I-4 | dimethomorph | metiram |
| C-553 | I-4 | dimethomorph | dithianon |
| C-554 | I-4 | dimethomorph | fosethyl-Al |
| C-555 | I-4 | dimethomorph | H ₃ PO ₃ |
| C-556 | I-4 | dimethomorph | Cu |
| C-557 | I-4 | TAP | ethaboxam |
| C-558 | I-4 | TAP | kresoxim-methyl |
| C-559 | I-4 | TAP | orysastrobin |
| C-560 | I-4 | TAP | pyraclostrobin |
| C-561 | I-4 | TAP | boscalid |
| C-562 | I-4 | TAP | dimethomorph |
| C-563 | I-4 | TAP | mancozeb |
| C-564 | I-4 | TAP | metiram |
| C-565 | I-4 | TAP | dithianon |
| C-566 | I-4 | TAP | fosethyl-Al |
| C-567 | I-4 | TAP | H ₃ PO ₃ |
| C-568 | I-4 | TAP | Cu |
| C-569 | I-4 | mancozeb | ethaboxam |
| C-570 | I-4 | mancozeb | kresoxim-methyl |
| C-571 | I-4 | mancozeb | orysastrobin |
| C-572 | I-4 | mancozeb | pyraclostrobin |

PF 58823

42

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-------------|--------------------------------|
| C-573 | I-4 | mancozeb | boscalid |
| C-574 | I-4 | mancozeb | dimethomorph |
| C-575 | I-4 | mancozeb | TAP |
| C-576 | I-4 | mancozeb | metiram |
| C-577 | I-4 | mancozeb | dithianon |
| C-578 | I-4 | mancozeb | fosethyl-Al |
| C-579 | I-4 | mancozeb | H ₃ PO ₃ |
| C-580 | I-4 | mancozeb | Cu |
| C-581 | I-4 | metiram | ethaboxam |
| C-582 | I-4 | metiram | kresoxim-methyl |
| C-583 | I-4 | metiram | orysastrobin |
| C-584 | I-4 | metiram | pyraclostrobin |
| C-585 | I-4 | metiram | boscalid |
| C-586 | I-4 | metiram | dimethomorph |
| C-587 | I-4 | metiram | TAP |
| C-588 | I-4 | metiram | mancozeb |
| C-589 | I-4 | metiram | dithianon |
| C-590 | I-4 | metiram | fosethyl-Al |
| C-591 | I-4 | metiram | H ₃ PO ₃ |
| C-592 | I-4 | metiram | Cu |
| C-593 | I-4 | dithianon | ethaboxam |
| C-594 | I-4 | dithianon | kresoxim-methyl |
| C-595 | I-4 | dithianon | orysastrobin |
| C-596 | I-4 | dithianon | pyraclostrobin |
| C-597 | I-4 | dithianon | boscalid |
| C-598 | I-4 | dithianon | dimethomorph |
| C-599 | I-4 | dithianon | TAP |
| C-600 | I-4 | dithianon | mancozeb |
| C-601 | I-4 | dithianon | metiram |
| C-602 | I-4 | dithianon | fosethyl-Al |
| C-603 | I-4 | dithianon | H ₃ PO ₃ |
| C-604 | I-4 | dithianon | Cu |
| C-605 | I-4 | fosethyl-Al | ethaboxam |
| C-606 | I-4 | fosethyl-Al | kresoxim-methyl |
| C-607 | I-4 | fosethyl-Al | orysastrobin |
| C-608 | I-4 | fosethyl-Al | pyraclostrobin |

PF 58823

43

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-609 | I-4 | fosethyl-Al | boscalid |
| C-610 | I-4 | fosethyl-Al | dimethomorph |
| C-611 | I-4 | fosethyl-Al | TAP |
| C-612 | I-4 | fosethyl-Al | mancozeb |
| C-613 | I-4 | fosethyl-Al | metiram |
| C-614 | I-4 | fosethyl-Al | dithianon |
| C-615 | I-4 | fosethyl-Al | H ₃ PO ₃ |
| C-616 | I-4 | fosethyl-Al | Cu |
| C-617 | I-4 | H ₃ PO ₃ | ethaboxam |
| C-618 | I-4 | H ₃ PO ₃ | kresoxim-methyl |
| C-619 | I-4 | H ₃ PO ₃ | orysastrobin |
| C-620 | I-4 | H ₃ PO ₃ | pyraclostrobin |
| C-621 | I-4 | H ₃ PO ₃ | boscalid |
| C-622 | I-4 | H ₃ PO ₃ | dimethomorph |
| C-623 | I-4 | H ₃ PO ₃ | TAP |
| C-624 | I-4 | H ₃ PO ₃ | mancozeb |
| C-625 | I-4 | H ₃ PO ₃ | metiram |
| C-626 | I-4 | H ₃ PO ₃ | dithianon |
| C-627 | I-4 | H ₃ PO ₃ | fosethyl-Al |
| C-628 | I-4 | H ₃ PO ₃ | Cu |
| C-629 | I-4 | Cu | ethaboxam |
| C-630 | I-4 | Cu | kresoxim-methyl |
| C-631 | I-4 | Cu | orysastrobin |
| C-632 | I-4 | Cu | pyraclostrobin |
| C-633 | I-4 | Cu | boscalid |
| C-634 | I-4 | Cu | dimethomorph |
| C-635 | I-4 | Cu | TAP |
| C-636 | I-4 | Cu | mancozeb |
| C-637 | I-4 | Cu | metiram |
| C-638 | I-4 | Cu | dithianon |
| C-639 | I-4 | Cu | fosethyl-Al |
| C-640 | I-4 | Cu | H ₃ PO ₃ |
| C-641 | I-5 | ethaboxam | kresoxim-methyl |
| C-642 | I-5 | ethaboxam | orysastrobin |
| C-643 | I-5 | ethaboxam | pyraclostrobin |
| C-644 | I-5 | ethaboxam | boscalid |

PF 58823

44

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-645 | I-5 | ethaboxam | dimethomorph |
| C-646 | I-5 | ethaboxam | boscalid |
| C-647 | I-5 | ethaboxam | TAP |
| C-648 | I-5 | ethaboxam | mancozeb |
| C-649 | I-5 | ethaboxam | metiram |
| C-650 | I-5 | ethaboxam | dithianon |
| C-651 | I-5 | ethaboxam | fosethyl-Al |
| C-652 | I-5 | ethaboxam | H ₃ PO ₃ |
| C-653 | I-5 | ethaboxam | Cu |
| C-654 | I-5 | kresoxim-methyl | ethaboxam |
| C-655 | I-5 | kresoxim-methyl | orysastrobin |
| C-656 | I-5 | kresoxim-methyl | pyraclostrobin |
| C-657 | I-5 | kresoxim-methyl | boscalid |
| C-658 | I-5 | kresoxim-methyl | dimethomorph |
| C-659 | I-5 | kresoxim-methyl | boscalid |
| C-660 | I-5 | kresoxim-methyl | TAP |
| C-661 | I-5 | kresoxim-methyl | mancozeb |
| C-662 | I-5 | kresoxim-methyl | metiram |
| C-663 | I-5 | kresoxim-methyl | dithianon |
| C-664 | I-5 | kresoxim-methyl | fosethyl-Al |
| C-665 | I-5 | kresoxim-methyl | H ₃ PO ₃ |
| C-666 | I-5 | kresoxim-methyl | Cu |
| C-667 | I-5 | orysastrobin | ethaboxam |
| C-668 | I-5 | orysastrobin | kresoxim-methyl |
| C-669 | I-5 | orysastrobin | pyraclostrobin |
| C-670 | I-5 | orysastrobin | boscalid |
| C-671 | I-5 | orysastrobin | dimethomorph |
| C-672 | I-5 | orysastrobin | boscalid |
| C-673 | I-5 | orysastrobin | TAP |
| C-674 | I-5 | orysastrobin | mancozeb |
| C-675 | I-5 | orysastrobin | metiram |
| C-676 | I-5 | orysastrobin | dithianon |
| C-677 | I-5 | orysastrobin | fosethyl-Al |
| C-678 | I-5 | orysastrobin | H ₃ PO ₃ |
| C-679 | I-5 | orysastrobin | Cu |
| C-680 | I-5 | pyraclostrobin | ethaboxam |

PF 58823

45

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|----------------|--------------------------------|
| C-681 | I-5 | pyraclostrobin | kresoxim-methyl |
| C-682 | I-5 | pyraclostrobin | orysastrobin |
| C-683 | I-5 | pyraclostrobin | boscalid |
| C-684 | I-5 | pyraclostrobin | dimethomorph |
| C-685 | I-5 | pyraclostrobin | boscalid |
| C-686 | I-5 | pyraclostrobin | TAP |
| C-687 | I-5 | pyraclostrobin | mancozeb |
| C-688 | I-5 | pyraclostrobin | metiram |
| C-689 | I-5 | pyraclostrobin | dithianon |
| C-690 | I-5 | pyraclostrobin | fosetyl-Al |
| C-691 | I-5 | pyraclostrobin | H ₃ PO ₃ |
| C-692 | I-5 | pyraclostrobin | Cu |
| C-693 | I-5 | boscalid | ethaboxam |
| C-694 | I-5 | boscalid | kresoxim-methyl |
| C-695 | I-5 | boscalid | orysastrobin |
| C-696 | I-5 | boscalid | pyraclostrobin |
| C-697 | I-5 | boscalid | dimethomorph |
| C-698 | I-5 | boscalid | TAP |
| C-699 | I-5 | boscalid | mancozeb |
| C-700 | I-5 | boscalid | metiram |
| C-701 | I-5 | boscalid | dithianon |
| C-702 | I-5 | boscalid | fosetyl-Al |
| C-703 | I-5 | boscalid | H ₃ PO ₃ |
| C-704 | I-5 | boscalid | Cu |
| C-705 | I-5 | dimethomorph | ethaboxam |
| C-706 | I-5 | dimethomorph | kresoxim-methyl |
| C-707 | I-5 | dimethomorph | orysastrobin |
| C-708 | I-5 | dimethomorph | pyraclostrobin |
| C-709 | I-5 | dimethomorph | boscalid |
| C-710 | I-5 | dimethomorph | TAP |
| C-711 | I-5 | dimethomorph | mancozeb |
| C-712 | I-5 | dimethomorph | metiram |
| C-713 | I-5 | dimethomorph | dithianon |
| C-714 | I-5 | dimethomorph | fosetyl-Al |
| C-715 | I-5 | dimethomorph | H ₃ PO ₃ |
| C-716 | I-5 | dimethomorph | Cu |

PF 58823

46

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-------------|--------------------------------|
| C-717 | I-5 | TAP | ethaboxam |
| C-718 | I-5 | TAP | kresoxim-methyl |
| C-719 | I-5 | TAP | orysastrobin |
| C-720 | I-5 | TAP | pyraclostrobin |
| C-721 | I-5 | TAP | boscalid |
| C-722 | I-5 | TAP | dimethomorph |
| C-723 | I-5 | TAP | mancozeb |
| C-724 | I-5 | TAP | metiram |
| C-725 | I-5 | TAP | dithianon |
| C-726 | I-5 | TAP | fosethyl-Al |
| C-727 | I-5 | TAP | H ₃ PO ₃ |
| C-728 | I-5 | TAP | Cu |
| C-729 | I-5 | mancozeb | ethaboxam |
| C-730 | I-5 | mancozeb | kresoxim-methyl |
| C-731 | I-5 | mancozeb | orysastrobin |
| C-732 | I-5 | mancozeb | pyraclostrobin |
| C-733 | I-5 | mancozeb | boscalid |
| C-734 | I-5 | mancozeb | dimethomorph |
| C-735 | I-5 | mancozeb | TAP |
| C-736 | I-5 | mancozeb | metiram |
| C-737 | I-5 | mancozeb | dithianon |
| C-738 | I-5 | mancozeb | fosethyl-Al |
| C-739 | I-5 | mancozeb | H ₃ PO ₃ |
| C-740 | I-5 | mancozeb | Cu |
| C-741 | I-5 | metiram | ethaboxam |
| C-742 | I-5 | metiram | kresoxim-methyl |
| C-743 | I-5 | metiram | orysastrobin |
| C-744 | I-5 | metiram | pyraclostrobin |
| C-745 | I-5 | metiram | boscalid |
| C-746 | I-5 | metiram | dimethomorph |
| C-747 | I-5 | metiram | TAP |
| C-748 | I-5 | metiram | mancozeb |
| C-749 | I-5 | metiram | dithianon |
| C-750 | I-5 | metiram | fosethyl-Al |
| C-751 | I-5 | metiram | H ₃ PO ₃ |
| C-752 | I-5 | metiram | Cu |

PF 58823

47

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-753 | I-5 | dithianon | ethaboxam |
| C-754 | I-5 | dithianon | kresoxim-methyl |
| C-755 | I-5 | dithianon | orysastrobin |
| C-756 | I-5 | dithianon | pyraclostrobin |
| C-757 | I-5 | dithianon | boscalid |
| C-758 | I-5 | dithianon | dimethomorph |
| C-759 | I-5 | dithianon | TAP |
| C-760 | I-5 | dithianon | mancozeb |
| C-761 | I-5 | dithianon | metiram |
| C-762 | I-5 | dithianon | fosethyl-Al |
| C-763 | I-5 | dithianon | H ₃ PO ₃ |
| C-764 | I-5 | dithianon | Cu |
| C-765 | I-5 | fosethyl-Al | ethaboxam |
| C-766 | I-5 | fosethyl-Al | kresoxim-methyl |
| C-767 | I-5 | fosethyl-Al | orysastrobin |
| C-768 | I-5 | fosethyl-Al | pyraclostrobin |
| C-769 | I-5 | fosethyl-Al | boscalid |
| C-770 | I-5 | fosethyl-Al | dimethomorph |
| C-771 | I-5 | fosethyl-Al | TAP |
| C-772 | I-5 | fosethyl-Al | mancozeb |
| C-773 | I-5 | fosethyl-Al | metiram |
| C-774 | I-5 | fosethyl-Al | dithianon |
| C-775 | I-5 | fosethyl-Al | H ₃ PO ₃ |
| C-776 | I-5 | fosethyl-Al | Cu |
| C-777 | I-5 | H ₃ PO ₃ | ethaboxam |
| C-778 | I-5 | H ₃ PO ₃ | kresoxim-methyl |
| C-779 | I-5 | H ₃ PO ₃ | orysastrobin |
| C-780 | I-5 | H ₃ PO ₃ | pyraclostrobin |
| C-781 | I-5 | H ₃ PO ₃ | boscalid |
| C-782 | I-5 | H ₃ PO ₃ | dimethomorph |
| C-783 | I-5 | H ₃ PO ₃ | TAP |
| C-784 | I-5 | H ₃ PO ₃ | mancozeb |
| C-785 | I-5 | H ₃ PO ₃ | metiram |
| C-786 | I-5 | H ₃ PO ₃ | dithianon |
| C-787 | I-5 | H ₃ PO ₃ | fosethyl-Al |
| C-788 | I-5 | H ₃ PO ₃ | Cu |

PF 58823

48

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-789 | I-5 | Cu | ethaboxam |
| C-790 | I-5 | Cu | kresoxim-methyl |
| C-791 | I-5 | Cu | orysastrobin |
| C-792 | I-5 | Cu | pyraclostrobin |
| C-793 | I-5 | Cu | boscalid |
| C-794 | I-5 | Cu | dimethomorph |
| C-795 | I-5 | Cu | TAP |
| C-796 | I-5 | Cu | mancozeb |
| C-797 | I-5 | Cu | metiram |
| C-798 | I-5 | Cu | dithianon |
| C-799 | I-5 | Cu | fosethyl-Al |
| C-800 | I-5 | Cu | H ₃ PO ₃ |
| C-801 | I-6 | ethaboxam | kresoxim-methyl |
| C-802 | I-6 | ethaboxam | orysastrobin |
| C-803 | I-6 | ethaboxam | pyraclostrobin |
| C-804 | I-6 | ethaboxam | boscalid |
| C-805 | I-6 | ethaboxam | dimethomorph |
| C-806 | I-6 | ethaboxam | boscalid |
| C-807 | I-6 | ethaboxam | TAP |
| C-808 | I-6 | ethaboxam | mancozeb |
| C-809 | I-6 | ethaboxam | metiram |
| C-810 | I-6 | ethaboxam | dithianon |
| C-811 | I-6 | ethaboxam | fosethyl-Al |
| C-812 | I-6 | ethaboxam | H ₃ PO ₃ |
| C-813 | I-6 | ethaboxam | Cu |
| C-814 | I-6 | kresoxim-methyl | ethaboxam |
| C-815 | I-6 | kresoxim-methyl | orysastrobin |
| C-816 | I-6 | kresoxim-methyl | pyraclostrobin |
| C-817 | I-6 | kresoxim-methyl | boscalid |
| C-818 | I-6 | kresoxim-methyl | dimethomorph |
| C-819 | I-6 | kresoxim-methyl | boscalid |
| C-820 | I-6 | kresoxim-methyl | TAP |
| C-821 | I-6 | kresoxim-methyl | mancozeb |
| C-822 | I-6 | kresoxim-methyl | metiram |
| C-823 | I-6 | kresoxim-methyl | dithianon |
| C-824 | I-6 | kresoxim-methyl | fosethyl-Al |

PF 58823

49

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-----------------|--------------------------------|
| C-825 | I-6 | kresoxim-methyl | H ₃ PO ₃ |
| C-826 | I-6 | kresoxim-methyl | Cu |
| C-827 | I-6 | orysastrobin | ethaboxam |
| C-828 | I-6 | orysastrobin | kresoxim-methyl |
| C-829 | I-6 | orysastrobin | pyraclostrobin |
| C-830 | I-6 | orysastrobin | boscalid |
| C-831 | I-6 | orysastrobin | dimethomorph |
| C-832 | I-6 | orysastrobin | boscalid |
| C-833 | I-6 | orysastrobin | TAP |
| C-834 | I-6 | orysastrobin | mancozeb |
| C-835 | I-6 | orysastrobin | metiram |
| C-836 | I-6 | orysastrobin | dithianon |
| C-837 | I-6 | orysastrobin | fosethyl-Al |
| C-838 | I-6 | orysastrobin | H ₃ PO ₃ |
| C-839 | I-6 | orysastrobin | Cu |
| C-840 | I-6 | pyraclostrobin | ethaboxam |
| C-841 | I-6 | pyraclostrobin | kresoxim-methyl |
| C-842 | I-6 | pyraclostrobin | orysastrobin |
| C-843 | I-6 | pyraclostrobin | boscalid |
| C-844 | I-6 | pyraclostrobin | dimethomorph |
| C-845 | I-6 | pyraclostrobin | boscalid |
| C-846 | I-6 | pyraclostrobin | TAP |
| C-847 | I-6 | pyraclostrobin | mancozeb |
| C-848 | I-6 | pyraclostrobin | metiram |
| C-849 | I-6 | pyraclostrobin | dithianon |
| C-850 | I-6 | pyraclostrobin | fosethyl-Al |
| C-851 | I-6 | pyraclostrobin | H ₃ PO ₃ |
| C-852 | I-6 | pyraclostrobin | Cu |
| C-853 | I-6 | boscalid | ethaboxam |
| C-854 | I-6 | boscalid | kresoxim-methyl |
| C-855 | I-6 | boscalid | orysastrobin |
| C-856 | I-6 | boscalid | pyraclostrobin |
| C-857 | I-6 | boscalid | dimethomorph |
| C-858 | I-6 | boscalid | TAP |
| C-859 | I-6 | boscalid | mancozeb |
| C-860 | I-6 | boscalid | metiram |

PF 58823

50

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------|--------------------------------|
| C-861 | I-6 | boscalid | dithianon |
| C-862 | I-6 | boscalid | fosethyl-Al |
| C-863 | I-6 | boscalid | H ₃ PO ₃ |
| C-864 | I-6 | boscalid | Cu |
| C-865 | I-6 | dimethomorph | ethaboxam |
| C-866 | I-6 | dimethomorph | kresoxim-methyl |
| C-867 | I-6 | dimethomorph | orysastrobin |
| C-868 | I-6 | dimethomorph | pyraclostrobin |
| C-869 | I-6 | dimethomorph | boscalid |
| C-870 | I-6 | dimethomorph | TAP |
| C-871 | I-6 | dimethomorph | mancozeb |
| C-872 | I-6 | dimethomorph | metiram |
| C-873 | I-6 | dimethomorph | dithianon |
| C-874 | I-6 | dimethomorph | fosethyl-Al |
| C-875 | I-6 | dimethomorph | H ₃ PO ₃ |
| C-876 | I-6 | dimethomorph | Cu |
| C-877 | I-6 | TAP | ethaboxam |
| C-878 | I-6 | TAP | kresoxim-methyl |
| C-879 | I-6 | TAP | orysastrobin |
| C-880 | I-6 | TAP | pyraclostrobin |
| C-881 | I-6 | TAP | boscalid |
| C-882 | I-6 | TAP | dimethomorph |
| C-883 | I-6 | TAP | mancozeb |
| C-884 | I-6 | TAP | metiram |
| C-885 | I-6 | TAP | dithianon |
| C-886 | I-6 | TAP | fosethyl-Al |
| C-887 | I-6 | TAP | H ₃ PO ₃ |
| C-888 | I-6 | TAP | Cu |
| C-889 | I-6 | mancozeb | ethaboxam |
| C-890 | I-6 | mancozeb | kresoxim-methyl |
| C-891 | I-6 | mancozeb | orysastrobin |
| C-892 | I-6 | mancozeb | pyraclostrobin |
| C-893 | I-6 | mancozeb | boscalid |
| C-894 | I-6 | mancozeb | dimethomorph |
| C-895 | I-6 | mancozeb | TAP |
| C-896 | I-6 | mancozeb | metiram |

PF 58823

51

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|-------------|--------------------------------|
| C-897 | I-6 | mancozeb | dithianon |
| C-898 | I-6 | mancozeb | fosethyl-Al |
| C-899 | I-6 | mancozeb | H ₃ PO ₃ |
| C-900 | I-6 | mancozeb | Cu |
| C-901 | I-6 | metiram | ethaboxam |
| C-902 | I-6 | metiram | kresoxim-methyl |
| C-903 | I-6 | metiram | orysastrobin |
| C-904 | I-6 | metiram | pyraclostrobin |
| C-905 | I-6 | metiram | boscalid |
| C-906 | I-6 | metiram | dimethomorph |
| C-907 | I-6 | metiram | TAP |
| C-908 | I-6 | metiram | mancozeb |
| C-909 | I-6 | metiram | dithianon |
| C-910 | I-6 | metiram | fosethyl-Al |
| C-911 | I-6 | metiram | H ₃ PO ₃ |
| C-912 | I-6 | metiram | Cu |
| C-913 | I-6 | dithianon | ethaboxam |
| C-914 | I-6 | dithianon | kresoxim-methyl |
| C-915 | I-6 | dithianon | orysastrobin |
| C-916 | I-6 | dithianon | pyraclostrobin |
| C-917 | I-6 | dithianon | boscalid |
| C-918 | I-6 | dithianon | dimethomorph |
| C-919 | I-6 | dithianon | TAP |
| C-920 | I-6 | dithianon | mancozeb |
| C-921 | I-6 | dithianon | metiram |
| C-922 | I-6 | dithianon | fosethyl-Al |
| C-923 | I-6 | dithianon | H ₃ PO ₃ |
| C-924 | I-6 | dithianon | Cu |
| C-925 | I-6 | fosethyl-Al | ethaboxam |
| C-926 | I-6 | fosethyl-Al | kresoxim-methyl |
| C-927 | I-6 | fosethyl-Al | orysastrobin |
| C-928 | I-6 | fosethyl-Al | pyraclostrobin |
| C-929 | I-6 | fosethyl-Al | boscalid |
| C-930 | I-6 | fosethyl-Al | dimethomorph |
| C-931 | I-6 | fosethyl-Al | TAP |
| C-932 | I-6 | fosethyl-Al | mancozeb |

PF 58823

52

| No. | Component 1 | Component 2 | Component 3 |
|-------|-------------|--------------------------------|--------------------------------|
| C-933 | I-6 | fosethyl-Al | metiram |
| C-934 | I-6 | fosethyl-Al | dithianon |
| C-935 | I-6 | fosethyl-Al | H ₃ PO ₃ |
| C-936 | I-6 | fosethyl-Al | Cu |
| C-937 | I-6 | H ₃ PO ₃ | ethaboxam |
| C-938 | I-6 | H ₃ PO ₃ | kresoxim-methyl |
| C-939 | I-6 | H ₃ PO ₃ | orysastrobin |
| C-940 | I-6 | H ₃ PO ₃ | pyraclostrobin |
| C-941 | I-6 | H ₃ PO ₃ | boscalid |
| C-942 | I-6 | H ₃ PO ₃ | dimethomorph |
| C-943 | I-6 | H ₃ PO ₃ | TAP |
| C-944 | I-6 | H ₃ PO ₃ | mancozeb |
| C-945 | I-6 | H ₃ PO ₃ | metiram |
| C-946 | I-6 | H ₃ PO ₃ | dithianon |
| C-947 | I-6 | H ₃ PO ₃ | fosethyl-Al |
| C-948 | I-6 | H ₃ PO ₃ | Cu |
| C-949 | I-6 | Cu | ethaboxam |
| C-950 | I-6 | Cu | kresoxim-methyl |
| C-951 | I-6 | Cu | orysastrobin |
| C-952 | I-6 | Cu | pyraclostrobin |
| C-953 | I-6 | Cu | boscalid |
| C-954 | I-6 | Cu | dimethomorph |
| C-955 | I-6 | Cu | TAP |
| C-956 | I-6 | Cu | mancozeb |
| C-957 | I-6 | Cu | metiram |
| C-958 | I-6 | Cu | dithianon |
| C-959 | I-6 | Cu | fosethyl-Al |
| C-960 | I-6 | Cu | H ₃ PO ₃ |
| C-961 | I-7 | ethaboxam | kresoxim-methyl |
| C-962 | I-7 | ethaboxam | orysastrobin |
| C-963 | I-7 | ethaboxam | pyraclostrobin |
| C-964 | I-7 | ethaboxam | boscalid |
| C-965 | I-7 | ethaboxam | dimethomorph |
| C-966 | I-7 | ethaboxam | boscalid |
| C-967 | I-7 | ethaboxam | TAP |
| C-968 | I-7 | ethaboxam | mancozeb |

PF 58823

53

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-969 | I-7 | ethaboxam | metiram |
| C-970 | I-7 | ethaboxam | dithianon |
| C-971 | I-7 | ethaboxam | fosethyl-Al |
| C-972 | I-7 | ethaboxam | H ₃ PO ₃ |
| C-973 | I-7 | ethaboxam | Cu |
| C-974 | I-7 | kresoxim-methyl | ethaboxam |
| C-975 | I-7 | kresoxim-methyl | orysastrobin |
| C-976 | I-7 | kresoxim-methyl | pyraclostrobin |
| C-977 | I-7 | kresoxim-methyl | boscalid |
| C-978 | I-7 | kresoxim-methyl | dimethomorph |
| C-979 | I-7 | kresoxim-methyl | boscalid |
| C-980 | I-7 | kresoxim-methyl | TAP |
| C-981 | I-7 | kresoxim-methyl | mancozeb |
| C-982 | I-7 | kresoxim-methyl | metiram |
| C-983 | I-7 | kresoxim-methyl | dithianon |
| C-984 | I-7 | kresoxim-methyl | fosethyl-Al |
| C-985 | I-7 | kresoxim-methyl | H ₃ PO ₃ |
| C-986 | I-7 | kresoxim-methyl | Cu |
| C-987 | I-7 | orysastrobin | ethaboxam |
| C-988 | I-7 | orysastrobin | kresoxim-methyl |
| C-989 | I-7 | orysastrobin | pyraclostrobin |
| C-990 | I-7 | orysastrobin | boscalid |
| C-991 | I-7 | orysastrobin | dimethomorph |
| C-992 | I-7 | orysastrobin | boscalid |
| C-993 | I-7 | orysastrobin | TAP |
| C-994 | I-7 | orysastrobin | mancozeb |
| C-995 | I-7 | orysastrobin | metiram |
| C-996 | I-7 | orysastrobin | dithianon |
| C-997 | I-7 | orysastrobin | fosethyl-Al |
| C-998 | I-7 | orysastrobin | H ₃ PO ₃ |
| C-999 | I-7 | orysastrobin | Cu |
| C-1000 | I-7 | pyraclostrobin | ethaboxam |
| C-1001 | I-7 | pyraclostrobin | kresoxim-methyl |
| C-1002 | I-7 | pyraclostrobin | orysastrobin |
| C-1003 | I-7 | pyraclostrobin | boscalid |
| C-1004 | I-7 | pyraclostrobin | dimethomorph |

PF 58823

54

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|----------------|--------------------------------|
| C-1005 | I-7 | pyraclostrobin | boscalid |
| C-1006 | I-7 | pyraclostrobin | TAP |
| C-1007 | I-7 | pyraclostrobin | mancozeb |
| C-1008 | I-7 | pyraclostrobin | metiram |
| C-1009 | I-7 | pyraclostrobin | dithianon |
| C-1010 | I-7 | pyraclostrobin | fosetyl-Al |
| C-1011 | I-7 | pyraclostrobin | H ₃ PO ₃ |
| C-1012 | I-7 | pyraclostrobin | Cu |
| C-1013 | I-7 | boscalid | ethaboxam |
| C-1014 | I-7 | boscalid | kresoxim-methyl |
| C-1015 | I-7 | boscalid | orysastrobin |
| C-1016 | I-7 | boscalid | pyraclostrobin |
| C-1017 | I-7 | boscalid | dimethomorph |
| C-1018 | I-7 | boscalid | TAP |
| C-1019 | I-7 | boscalid | mancozeb |
| C-1020 | I-7 | boscalid | metiram |
| C-1021 | I-7 | boscalid | dithianon |
| C-1022 | I-7 | boscalid | fosetyl-Al |
| C-1023 | I-7 | boscalid | H ₃ PO ₃ |
| C-1024 | I-7 | boscalid | Cu |
| C-1025 | I-7 | dimethomorph | ethaboxam |
| C-1026 | I-7 | dimethomorph | kresoxim-methyl |
| C-1027 | I-7 | dimethomorph | orysastrobin |
| C-1028 | I-7 | dimethomorph | pyraclostrobin |
| C-1029 | I-7 | dimethomorph | boscalid |
| C-1030 | I-7 | dimethomorph | TAP |
| C-1031 | I-7 | dimethomorph | mancozeb |
| C-1032 | I-7 | dimethomorph | metiram |
| C-1033 | I-7 | dimethomorph | dithianon |
| C-1034 | I-7 | dimethomorph | fosetyl-Al |
| C-1035 | I-7 | dimethomorph | H ₃ PO ₃ |
| C-1036 | I-7 | dimethomorph | Cu |
| C-1037 | I-7 | TAP | ethaboxam |
| C-1038 | I-7 | TAP | kresoxim-methyl |
| C-1039 | I-7 | TAP | orysastrobin |
| C-1040 | I-7 | TAP | pyraclostrobin |

PF 58823

55

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-------------|--------------------------------|
| C-1041 | I-7 | TAP | boscalid |
| C-1042 | I-7 | TAP | dimethomorph |
| C-1043 | I-7 | TAP | mancozeb |
| C-1044 | I-7 | TAP | metiram |
| C-1045 | I-7 | TAP | dithianon |
| C-1046 | I-7 | TAP | fosetyl-Al |
| C-1047 | I-7 | TAP | H ₃ PO ₃ |
| C-1048 | I-7 | TAP | Cu |
| C-1049 | I-7 | mancozeb | ethaboxam |
| C-1050 | I-7 | mancozeb | kresoxim-methyl |
| C-1051 | I-7 | mancozeb | orysastrobin |
| C-1052 | I-7 | mancozeb | pyraclostrobin |
| C-1053 | I-7 | mancozeb | boscalid |
| C-1054 | I-7 | mancozeb | dimethomorph |
| C-1055 | I-7 | mancozeb | TAP |
| C-1056 | I-7 | mancozeb | metiram |
| C-1057 | I-7 | mancozeb | dithianon |
| C-1058 | I-7 | mancozeb | fosetyl-Al |
| C-1059 | I-7 | mancozeb | H ₃ PO ₃ |
| C-1060 | I-7 | mancozeb | Cu |
| C-1061 | I-7 | metiram | ethaboxam |
| C-1062 | I-7 | metiram | kresoxim-methyl |
| C-1063 | I-7 | metiram | orysastrobin |
| C-1064 | I-7 | metiram | pyraclostrobin |
| C-1065 | I-7 | metiram | boscalid |
| C-1066 | I-7 | metiram | dimethomorph |
| C-1067 | I-7 | metiram | TAP |
| C-1068 | I-7 | metiram | mancozeb |
| C-1069 | I-7 | metiram | dithianon |
| C-1070 | I-7 | metiram | fosetyl-Al |
| C-1071 | I-7 | metiram | H ₃ PO ₃ |
| C-1072 | I-7 | metiram | Cu |
| C-1073 | I-7 | dithianon | ethaboxam |
| C-1074 | I-7 | dithianon | kresoxim-methyl |
| C-1075 | I-7 | dithianon | orysastrobin |
| C-1076 | I-7 | dithianon | pyraclostrobin |

PF 58823

56

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1077 | I-7 | dithianon | boscalid |
| C-1078 | I-7 | dithianon | dimethomorph |
| C-1079 | I-7 | dithianon | TAP |
| C-1080 | I-7 | dithianon | mancozeb |
| C-1081 | I-7 | dithianon | metiram |
| C-1082 | I-7 | dithianon | fosethyl-Al |
| C-1083 | I-7 | dithianon | H ₃ PO ₃ |
| C-1084 | I-7 | dithianon | Cu |
| C-1085 | I-7 | fosethyl-Al | ethaboxam |
| C-1086 | I-7 | fosethyl-Al | kresoxim-methyl |
| C-1087 | I-7 | fosethyl-Al | orysastrobin |
| C-1088 | I-7 | fosethyl-Al | pyraclostrobin |
| C-1089 | I-7 | fosethyl-Al | boscalid |
| C-1090 | I-7 | fosethyl-Al | dimethomorph |
| C-1091 | I-7 | fosethyl-Al | TAP |
| C-1092 | I-7 | fosethyl-Al | mancozeb |
| C-1093 | I-7 | fosethyl-Al | metiram |
| C-1094 | I-7 | fosethyl-Al | dithianon |
| C-1095 | I-7 | fosethyl-Al | H ₃ PO ₃ |
| C-1096 | I-7 | fosethyl-Al | Cu |
| C-1097 | I-7 | H ₃ PO ₃ | ethaboxam |
| C-1098 | I-7 | H ₃ PO ₃ | kresoxim-methyl |
| C-1099 | I-7 | H ₃ PO ₃ | orysastrobin |
| C-1100 | I-7 | H ₃ PO ₃ | pyraclostrobin |
| C-1101 | I-7 | H ₃ PO ₃ | boscalid |
| C-1102 | I-7 | H ₃ PO ₃ | dimethomorph |
| C-1103 | I-7 | H ₃ PO ₃ | TAP |
| C-1104 | I-7 | H ₃ PO ₃ | mancozeb |
| C-1105 | I-7 | H ₃ PO ₃ | metiram |
| C-1106 | I-7 | H ₃ PO ₃ | dithianon |
| C-1107 | I-7 | H ₃ PO ₃ | fosethyl-Al |
| C-1108 | I-7 | H ₃ PO ₃ | Cu |
| C-1109 | I-7 | Cu | ethaboxam |
| C-1110 | I-7 | Cu | kresoxim-methyl |
| C-1111 | I-7 | Cu | orysastrobin |
| C-1112 | I-7 | Cu | pyraclostrobin |

PF 58823

57

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-1113 | I-7 | Cu | boscalid |
| C-1114 | I-7 | Cu | dimethomorph |
| C-1115 | I-7 | Cu | TAP |
| C-1116 | I-7 | Cu | mancozeb |
| C-1117 | I-7 | Cu | metiram |
| C-1118 | I-7 | Cu | dithianon |
| C-1119 | I-7 | Cu | fosetyl-Al |
| C-1120 | I-7 | Cu | H ₃ PO ₃ |
| C-1121 | I-8 | ethaboxam | kresoxim-methyl |
| C-1122 | I-8 | ethaboxam | orysastrobin |
| C-1123 | I-8 | ethaboxam | pyraclostrobin |
| C-1124 | I-8 | ethaboxam | boscalid |
| C-1125 | I-8 | ethaboxam | dimethomorph |
| C-1126 | I-8 | ethaboxam | boscalid |
| C-1127 | I-8 | ethaboxam | TAP |
| C-1128 | I-8 | ethaboxam | mancozeb |
| C-1129 | I-8 | ethaboxam | metiram |
| C-1130 | I-8 | ethaboxam | dithianon |
| C-1131 | I-8 | ethaboxam | fosetyl-Al |
| C-1132 | I-8 | ethaboxam | H ₃ PO ₃ |
| C-1133 | I-8 | ethaboxam | Cu |
| C-1134 | I-8 | kresoxim-methyl | ethaboxam |
| C-1135 | I-8 | kresoxim-methyl | orysastrobin |
| C-1136 | I-8 | kresoxim-methyl | pyraclostrobin |
| C-1137 | I-8 | kresoxim-methyl | boscalid |
| C-1138 | I-8 | kresoxim-methyl | dimethomorph |
| C-1139 | I-8 | kresoxim-methyl | boscalid |
| C-1140 | I-8 | kresoxim-methyl | TAP |
| C-1141 | I-8 | kresoxim-methyl | mancozeb |
| C-1142 | I-8 | kresoxim-methyl | metiram |
| C-1143 | I-8 | kresoxim-methyl | dithianon |
| C-1144 | I-8 | kresoxim-methyl | fosetyl-Al |
| C-1145 | I-8 | kresoxim-methyl | H ₃ PO ₃ |
| C-1146 | I-8 | kresoxim-methyl | Cu |
| C-1147 | I-8 | orysastrobin | ethaboxam |
| C-1148 | I-8 | orysastrobin | kresoxim-methyl |

PF 58823

58

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|----------------|--------------------------------|
| C-1149 | I-8 | orysastrobin | pyraclostrobin |
| C-1150 | I-8 | orysastrobin | boscalid |
| C-1151 | I-8 | orysastrobin | dimethomorph |
| C-1152 | I-8 | orysastrobin | boscalid |
| C-1153 | I-8 | orysastrobin | TAP |
| C-1154 | I-8 | orysastrobin | mancozeb |
| C-1155 | I-8 | orysastrobin | metiram |
| C-1156 | I-8 | orysastrobin | dithianon |
| C-1157 | I-8 | orysastrobin | fosetyl-Al |
| C-1158 | I-8 | orysastrobin | H ₃ PO ₃ |
| C-1159 | I-8 | orysastrobin | Cu |
| C-1160 | I-8 | pyraclostrobin | ethaboxam |
| C-1161 | I-8 | pyraclostrobin | kresoxim-methyl |
| C-1162 | I-8 | pyraclostrobin | orysastrobin |
| C-1163 | I-8 | pyraclostrobin | boscalid |
| C-1164 | I-8 | pyraclostrobin | dimethomorph |
| C-1165 | I-8 | pyraclostrobin | boscalid |
| C-1166 | I-8 | pyraclostrobin | TAP |
| C-1167 | I-8 | pyraclostrobin | mancozeb |
| C-1168 | I-8 | pyraclostrobin | metiram |
| C-1169 | I-8 | pyraclostrobin | dithianon |
| C-1170 | I-8 | pyraclostrobin | fosetyl-Al |
| C-1171 | I-8 | pyraclostrobin | H ₃ PO ₃ |
| C-1172 | I-8 | pyraclostrobin | Cu |
| C-1173 | I-8 | boscalid | ethaboxam |
| C-1174 | I-8 | boscalid | kresoxim-methyl |
| C-1175 | I-8 | boscalid | orysastrobin |
| C-1176 | I-8 | boscalid | pyraclostrobin |
| C-1177 | I-8 | boscalid | dimethomorph |
| C-1178 | I-8 | boscalid | TAP |
| C-1179 | I-8 | boscalid | mancozeb |
| C-1180 | I-8 | boscalid | metiram |
| C-1181 | I-8 | boscalid | dithianon |
| C-1182 | I-8 | boscalid | fosetyl-Al |
| C-1183 | I-8 | boscalid | H ₃ PO ₃ |
| C-1184 | I-8 | boscalid | Cu |

PF 58823

59

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------|--------------------------------|
| C-1185 | I-8 | dimethomorph | ethaboxam |
| C-1186 | I-8 | dimethomorph | kresoxim-methyl |
| C-1187 | I-8 | dimethomorph | orysastrobin |
| C-1188 | I-8 | dimethomorph | pyraclostrobin |
| C-1189 | I-8 | dimethomorph | boscalid |
| C-1190 | I-8 | dimethomorph | TAP |
| C-1191 | I-8 | dimethomorph | mancozeb |
| C-1192 | I-8 | dimethomorph | metiram |
| C-1193 | I-8 | dimethomorph | dithianon |
| C-1194 | I-8 | dimethomorph | fosethyl-Al |
| C-1195 | I-8 | dimethomorph | H ₃ PO ₃ |
| C-1196 | I-8 | dimethomorph | Cu |
| C-1197 | I-8 | TAP | ethaboxam |
| C-1198 | I-8 | TAP | kresoxim-methyl |
| C-1199 | I-8 | TAP | orysastrobin |
| C-1200 | I-8 | TAP | pyraclostrobin |
| C-1201 | I-8 | TAP | boscalid |
| C-1202 | I-8 | TAP | dimethomorph |
| C-1203 | I-8 | TAP | mancozeb |
| C-1204 | I-8 | TAP | metiram |
| C-1205 | I-8 | TAP | dithianon |
| C-1206 | I-8 | TAP | fosethyl-Al |
| C-1207 | I-8 | TAP | H ₃ PO ₃ |
| C-1208 | I-8 | TAP | Cu |
| C-1209 | I-8 | mancozeb | ethaboxam |
| C-1210 | I-8 | mancozeb | kresoxim-methyl |
| C-1211 | I-8 | mancozeb | orysastrobin |
| C-1212 | I-8 | mancozeb | pyraclostrobin |
| C-1213 | I-8 | mancozeb | boscalid |
| C-1214 | I-8 | mancozeb | dimethomorph |
| C-1215 | I-8 | mancozeb | TAP |
| C-1216 | I-8 | mancozeb | metiram |
| C-1217 | I-8 | mancozeb | dithianon |
| C-1218 | I-8 | mancozeb | fosethyl-Al |
| C-1219 | I-8 | mancozeb | H ₃ PO ₃ |
| C-1220 | I-8 | mancozeb | Cu |

PF 58823

60

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-------------|--------------------------------|
| C-1221 | I-8 | metiram | ethaboxam |
| C-1222 | I-8 | metiram | kresoxim-methyl |
| C-1223 | I-8 | metiram | orysastrobin |
| C-1224 | I-8 | metiram | pyraclostrobin |
| C-1225 | I-8 | metiram | boscalid |
| C-1226 | I-8 | metiram | dimethomorph |
| C-1227 | I-8 | metiram | TAP |
| C-1228 | I-8 | metiram | mancozeb |
| C-1229 | I-8 | metiram | dithianon |
| C-1230 | I-8 | metiram | fosethyl-Al |
| C-1231 | I-8 | metiram | H ₃ PO ₃ |
| C-1232 | I-8 | metiram | Cu |
| C-1233 | I-8 | dithianon | ethaboxam |
| C-1234 | I-8 | dithianon | kresoxim-methyl |
| C-1235 | I-8 | dithianon | orysastrobin |
| C-1236 | I-8 | dithianon | pyraclostrobin |
| C-1237 | I-8 | dithianon | boscalid |
| C-1238 | I-8 | dithianon | dimethomorph |
| C-1239 | I-8 | dithianon | TAP |
| C-1240 | I-8 | dithianon | mancozeb |
| C-1241 | I-8 | dithianon | metiram |
| C-1242 | I-8 | dithianon | fosethyl-Al |
| C-1243 | I-8 | dithianon | H ₃ PO ₃ |
| C-1244 | I-8 | dithianon | Cu |
| C-1245 | I-8 | fosethyl-Al | ethaboxam |
| C-1246 | I-8 | fosethyl-Al | kresoxim-methyl |
| C-1247 | I-8 | fosethyl-Al | orysastrobin |
| C-1248 | I-8 | fosethyl-Al | pyraclostrobin |
| C-1249 | I-8 | fosethyl-Al | boscalid |
| C-1250 | I-8 | fosethyl-Al | dimethomorph |
| C-1251 | I-8 | fosethyl-Al | TAP |
| C-1252 | I-8 | fosethyl-Al | mancozeb |
| C-1253 | I-8 | fosethyl-Al | metiram |
| C-1254 | I-8 | fosethyl-Al | dithianon |
| C-1255 | I-8 | fosethyl-Al | H ₃ PO ₃ |
| C-1256 | I-8 | fosethyl-Al | Cu |

PF 58823

61

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1257 | I-8 | H ₃ PO ₃ | ethaboxam |
| C-1258 | I-8 | H ₃ PO ₃ | kresoxim-methyl |
| C-1259 | I-8 | H ₃ PO ₃ | orysastrobin |
| C-1260 | I-8 | H ₃ PO ₃ | pyraclostrobin |
| C-1261 | I-8 | H ₃ PO ₃ | boscalid |
| C-1262 | I-8 | H ₃ PO ₃ | dimethomorph |
| C-1263 | I-8 | H ₃ PO ₃ | TAP |
| C-1264 | I-8 | H ₃ PO ₃ | mancozeb |
| C-1265 | I-8 | H ₃ PO ₃ | metiram |
| C-1266 | I-8 | H ₃ PO ₃ | dithianon |
| C-1267 | I-8 | H ₃ PO ₃ | fosethyl-Al |
| C-1268 | I-8 | H ₃ PO ₃ | Cu |
| C-1269 | I-8 | Cu | ethaboxam |
| C-1270 | I-8 | Cu | kresoxim-methyl |
| C-1271 | I-8 | Cu | orysastrobin |
| C-1272 | I-8 | Cu | pyraclostrobin |
| C-1273 | I-8 | Cu | boscalid |
| C-1274 | I-8 | Cu | dimethomorph |
| C-1275 | I-8 | Cu | TAP |
| C-1276 | I-8 | Cu | mancozeb |
| C-1277 | I-8 | Cu | metiram |
| C-1278 | I-8 | Cu | dithianon |
| C-1279 | I-8 | Cu | fosethyl-Al |
| C-1280 | I-8 | Cu | H ₃ PO ₃ |
| C-1281 | I-9 | ethaboxam | kresoxim-methyl |
| C-1282 | I-9 | ethaboxam | orysastrobin |
| C-1283 | I-9 | ethaboxam | pyraclostrobin |
| C-1284 | I-9 | ethaboxam | boscalid |
| C-1285 | I-9 | ethaboxam | dimethomorph |
| C-1286 | I-9 | ethaboxam | boscalid |
| C-1287 | I-9 | ethaboxam | TAP |
| C-1288 | I-9 | ethaboxam | mancozeb |
| C-1289 | I-9 | ethaboxam | metiram |
| C-1290 | I-9 | ethaboxam | dithianon |
| C-1291 | I-9 | ethaboxam | fosethyl-Al |
| C-1292 | I-9 | ethaboxam | H ₃ PO ₃ |

PF 58823

62

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-1293 | I-9 | ethaboxam | Cu |
| C-1294 | I-9 | kresoxim-methyl | ethaboxam |
| C-1295 | I-9 | kresoxim-methyl | orysastrobin |
| C-1296 | I-9 | kresoxim-methyl | pyraclostrobin |
| C-1297 | I-9 | kresoxim-methyl | boscalid |
| C-1298 | I-9 | kresoxim-methyl | dimethomorph |
| C-1299 | I-9 | kresoxim-methyl | boscalid |
| C-1300 | I-9 | kresoxim-methyl | TAP |
| C-1301 | I-9 | kresoxim-methyl | mancozeb |
| C-1302 | I-9 | kresoxim-methyl | metiram |
| C-1303 | I-9 | kresoxim-methyl | dithianon |
| C-1304 | I-9 | kresoxim-methyl | fosethyl-Al |
| C-1305 | I-9 | kresoxim-methyl | H ₃ PO ₃ |
| C-1306 | I-9 | kresoxim-methyl | Cu |
| C-1307 | I-9 | orysastrobin | ethaboxam |
| C-1308 | I-9 | orysastrobin | kresoxim-methyl |
| C-1309 | I-9 | orysastrobin | pyraclostrobin |
| C-1310 | I-9 | orysastrobin | boscalid |
| C-1311 | I-9 | orysastrobin | dimethomorph |
| C-1312 | I-9 | orysastrobin | boscalid |
| C-1313 | I-9 | orysastrobin | TAP |
| C-1314 | I-9 | orysastrobin | mancozeb |
| C-1315 | I-9 | orysastrobin | metiram |
| C-1316 | I-9 | orysastrobin | dithianon |
| C-1317 | I-9 | orysastrobin | fosethyl-Al |
| C-1318 | I-9 | orysastrobin | H ₃ PO ₃ |
| C-1319 | I-9 | orysastrobin | Cu |
| C-1320 | I-9 | pyraclostrobin | ethaboxam |
| C-1321 | I-9 | pyraclostrobin | kresoxim-methyl |
| C-1322 | I-9 | pyraclostrobin | orysastrobin |
| C-1323 | I-9 | pyraclostrobin | boscalid |
| C-1324 | I-9 | pyraclostrobin | dimethomorph |
| C-1325 | I-9 | pyraclostrobin | boscalid |
| C-1326 | I-9 | pyraclostrobin | TAP |
| C-1327 | I-9 | pyraclostrobin | mancozeb |
| C-1328 | I-9 | pyraclostrobin | metiram |

PF 58823

63

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|----------------|--------------------------------|
| C-1329 | I-9 | pyraclostrobin | dithianon |
| C-1330 | I-9 | pyraclostrobin | fosethyl-Al |
| C-1331 | I-9 | pyraclostrobin | H ₃ PO ₃ |
| C-1332 | I-9 | pyraclostrobin | Cu |
| C-1333 | I-9 | boscalid | ethaboxam |
| C-1334 | I-9 | boscalid | kresoxim-methyl |
| C-1335 | I-9 | boscalid | orysastrobin |
| C-1336 | I-9 | boscalid | pyraclostrobin |
| C-1337 | I-9 | boscalid | dimethomorph |
| C-1338 | I-9 | boscalid | TAP |
| C-1339 | I-9 | boscalid | mancozeb |
| C-1340 | I-9 | boscalid | metiram |
| C-1341 | I-9 | boscalid | dithianon |
| C-1342 | I-9 | boscalid | fosethyl-Al |
| C-1343 | I-9 | boscalid | H ₃ PO ₃ |
| C-1344 | I-9 | boscalid | Cu |
| C-1345 | I-9 | dimethomorph | ethaboxam |
| C-1346 | I-9 | dimethomorph | kresoxim-methyl |
| C-1347 | I-9 | dimethomorph | orysastrobin |
| C-1348 | I-9 | dimethomorph | pyraclostrobin |
| C-1349 | I-9 | dimethomorph | boscalid |
| C-1350 | I-9 | dimethomorph | TAP |
| C-1351 | I-9 | dimethomorph | mancozeb |
| C-1352 | I-9 | dimethomorph | metiram |
| C-1353 | I-9 | dimethomorph | dithianon |
| C-1354 | I-9 | dimethomorph | fosethyl-Al |
| C-1355 | I-9 | dimethomorph | H ₃ PO ₃ |
| C-1356 | I-9 | dimethomorph | Cu |
| C-1357 | I-9 | TAP | ethaboxam |
| C-1358 | I-9 | TAP | kresoxim-methyl |
| C-1359 | I-9 | TAP | orysastrobin |
| C-1360 | I-9 | TAP | pyraclostrobin |
| C-1361 | I-9 | TAP | boscalid |
| C-1362 | I-9 | TAP | dimethomorph |
| C-1363 | I-9 | TAP | mancozeb |
| C-1364 | I-9 | TAP | metiram |

PF 58823

64

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-------------|--------------------------------|
| C-1365 | I-9 | TAP | dithianon |
| C-1366 | I-9 | TAP | fosethyl-Al |
| C-1367 | I-9 | TAP | H ₃ PO ₃ |
| C-1368 | I-9 | TAP | Cu |
| C-1369 | I-9 | mancozeb | ethaboxam |
| C-1370 | I-9 | mancozeb | kresoxim-methyl |
| C-1371 | I-9 | mancozeb | orysastrobin |
| C-1372 | I-9 | mancozeb | pyraclostrobin |
| C-1373 | I-9 | mancozeb | boscalid |
| C-1374 | I-9 | mancozeb | dimethomorph |
| C-1375 | I-9 | mancozeb | TAP |
| C-1376 | I-9 | mancozeb | metiram |
| C-1377 | I-9 | mancozeb | dithianon |
| C-1378 | I-9 | mancozeb | fosethyl-Al |
| C-1379 | I-9 | mancozeb | H ₃ PO ₃ |
| C-1380 | I-9 | mancozeb | Cu |
| C-1381 | I-9 | metiram | ethaboxam |
| C-1382 | I-9 | metiram | kresoxim-methyl |
| C-1383 | I-9 | metiram | orysastrobin |
| C-1384 | I-9 | metiram | pyraclostrobin |
| C-1385 | I-9 | metiram | boscalid |
| C-1386 | I-9 | metiram | dimethomorph |
| C-1387 | I-9 | metiram | TAP |
| C-1388 | I-9 | metiram | mancozeb |
| C-1389 | I-9 | metiram | dithianon |
| C-1390 | I-9 | metiram | fosethyl-Al |
| C-1391 | I-9 | metiram | H ₃ PO ₃ |
| C-1392 | I-9 | metiram | Cu |
| C-1393 | I-9 | dithianon | ethaboxam |
| C-1394 | I-9 | dithianon | kresoxim-methyl |
| C-1395 | I-9 | dithianon | orysastrobin |
| C-1396 | I-9 | dithianon | pyraclostrobin |
| C-1397 | I-9 | dithianon | boscalid |
| C-1398 | I-9 | dithianon | dimethomorph |
| C-1399 | I-9 | dithianon | TAP |
| C-1400 | I-9 | dithianon | mancozeb |

PF 58823

65

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1401 | I-9 | dithianon | metiram |
| C-1402 | I-9 | dithianon | fosethyl-Al |
| C-1403 | I-9 | dithianon | H ₃ PO ₃ |
| C-1404 | I-9 | dithianon | Cu |
| C-1405 | I-9 | fosethyl-Al | ethaboxam |
| C-1406 | I-9 | fosethyl-Al | kresoxim-methyl |
| C-1407 | I-9 | fosethyl-Al | orysastrobin |
| C-1408 | I-9 | fosethyl-Al | pyraclostrobin |
| C-1409 | I-9 | fosethyl-Al | boscalid |
| C-1410 | I-9 | fosethyl-Al | dimethomorph |
| C-1411 | I-9 | fosethyl-Al | TAP |
| C-1412 | I-9 | fosethyl-Al | mancozeb |
| C-1413 | I-9 | fosethyl-Al | metiram |
| C-1414 | I-9 | fosethyl-Al | dithianon |
| C-1415 | I-9 | fosethyl-Al | H ₃ PO ₃ |
| C-1416 | I-9 | fosethyl-Al | Cu |
| C-1417 | I-9 | H ₃ PO ₃ | ethaboxam |
| C-1418 | I-9 | H ₃ PO ₃ | kresoxim-methyl |
| C-1419 | I-9 | H ₃ PO ₃ | orysastrobin |
| C-1420 | I-9 | H ₃ PO ₃ | pyraclostrobin |
| C-1421 | I-9 | H ₃ PO ₃ | boscalid |
| C-1422 | I-9 | H ₃ PO ₃ | dimethomorph |
| C-1423 | I-9 | H ₃ PO ₃ | TAP |
| C-1424 | I-9 | H ₃ PO ₃ | mancozeb |
| C-1425 | I-9 | H ₃ PO ₃ | metiram |
| C-1426 | I-9 | H ₃ PO ₃ | dithianon |
| C-1427 | I-9 | H ₃ PO ₃ | fosethyl-Al |
| C-1428 | I-9 | H ₃ PO ₃ | Cu |
| C-1429 | I-9 | Cu | ethaboxam |
| C-1430 | I-9 | Cu | kresoxim-methyl |
| C-1431 | I-9 | Cu | orysastrobin |
| C-1432 | I-9 | Cu | pyraclostrobin |
| C-1433 | I-9 | Cu | boscalid |
| C-1434 | I-9 | Cu | dimethomorph |
| C-1435 | I-9 | Cu | TAP |
| C-1436 | I-9 | Cu | mancozeb |

PF 58823

66

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-1437 | I-9 | Cu | metiram |
| C-1438 | I-9 | Cu | dithianon |
| C-1439 | I-9 | Cu | fosethyl-Al |
| C-1440 | I-9 | Cu | H ₃ PO ₃ |
| C-1441 | I-10 | ethaboxam | kresoxim-methyl |
| C-1442 | I-10 | ethaboxam | orysastrobin |
| C-1443 | I-10 | ethaboxam | pyraclostrobin |
| C-1444 | I-10 | ethaboxam | boscalid |
| C-1445 | I-10 | ethaboxam | dimethomorph |
| C-1446 | I-10 | ethaboxam | boscalid |
| C-1447 | I-10 | ethaboxam | TAP |
| C-1448 | I-10 | ethaboxam | mancozeb |
| C-1449 | I-10 | ethaboxam | metiram |
| C-1450 | I-10 | ethaboxam | dithianon |
| C-1451 | I-10 | ethaboxam | fosethyl-Al |
| C-1452 | I-10 | ethaboxam | H ₃ PO ₃ |
| C-1453 | I-10 | ethaboxam | Cu |
| C-1454 | I-10 | kresoxim-methyl | ethaboxam |
| C-1455 | I-10 | kresoxim-methyl | orysastrobin |
| C-1456 | I-10 | kresoxim-methyl | pyraclostrobin |
| C-1457 | I-10 | kresoxim-methyl | boscalid |
| C-1458 | I-10 | kresoxim-methyl | dimethomorph |
| C-1459 | I-10 | kresoxim-methyl | boscalid |
| C-1460 | I-10 | kresoxim-methyl | TAP |
| C-1461 | I-10 | kresoxim-methyl | mancozeb |
| C-1462 | I-10 | kresoxim-methyl | metiram |
| C-1463 | I-10 | kresoxim-methyl | dithianon |
| C-1464 | I-10 | kresoxim-methyl | fosethyl-Al |
| C-1465 | I-10 | kresoxim-methyl | H ₃ PO ₃ |
| C-1466 | I-10 | kresoxim-methyl | Cu |
| C-1467 | I-10 | orysastrobin | ethaboxam |
| C-1468 | I-10 | orysastrobin | kresoxim-methyl |
| C-1469 | I-10 | orysastrobin | pyraclostrobin |
| C-1470 | I-10 | orysastrobin | boscalid |
| C-1471 | I-10 | orysastrobin | dimethomorph |
| C-1472 | I-10 | orysastrobin | boscalid |

PF 58823

67

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|----------------|--------------------------------|
| C-1473 | I-10 | orysastrobin | TAP |
| C-1474 | I-10 | orysastrobin | mancozeb |
| C-1475 | I-10 | orysastrobin | metiram |
| C-1476 | I-10 | orysastrobin | dithianon |
| C-1477 | I-10 | orysastrobin | fosethyl-Al |
| C-1478 | I-10 | orysastrobin | H ₃ PO ₃ |
| C-1479 | I-10 | orysastrobin | Cu |
| C-1480 | I-10 | pyraclostrobin | ethaboxam |
| C-1481 | I-10 | pyraclostrobin | kresoxim-methyl |
| C-1482 | I-10 | pyraclostrobin | orysastrobin |
| C-1483 | I-10 | pyraclostrobin | boscalid |
| C-1484 | I-10 | pyraclostrobin | dimethomorph |
| C-1485 | I-10 | pyraclostrobin | boscalid |
| C-1486 | I-10 | pyraclostrobin | TAP |
| C-1487 | I-10 | pyraclostrobin | mancozeb |
| C-1488 | I-10 | pyraclostrobin | metiram |
| C-1489 | I-10 | pyraclostrobin | dithianon |
| C-1490 | I-10 | pyraclostrobin | fosethyl-Al |
| C-1491 | I-10 | pyraclostrobin | H ₃ PO ₃ |
| C-1492 | I-10 | pyraclostrobin | Cu |
| C-1493 | I-10 | boscalid | ethaboxam |
| C-1494 | I-10 | boscalid | kresoxim-methyl |
| C-1495 | I-10 | boscalid | orysastrobin |
| C-1496 | I-10 | boscalid | pyraclostrobin |
| C-1497 | I-10 | boscalid | dimethomorph |
| C-1498 | I-10 | boscalid | TAP |
| C-1499 | I-10 | boscalid | mancozeb |
| C-1500 | I-10 | boscalid | metiram |
| C-1501 | I-10 | boscalid | dithianon |
| C-1502 | I-10 | boscalid | fosethyl-Al |
| C-1503 | I-10 | boscalid | H ₃ PO ₃ |
| C-1504 | I-10 | boscalid | Cu |
| C-1505 | I-10 | dimethomorph | ethaboxam |
| C-1506 | I-10 | dimethomorph | kresoxim-methyl |
| C-1507 | I-10 | dimethomorph | orysastrobin |
| C-1508 | I-10 | dimethomorph | pyraclostrobin |

PF 58823

68

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------|--------------------------------|
| C-1509 | I-10 | dimethomorph | boscalid |
| C-1510 | I-10 | dimethomorph | TAP |
| C-1511 | I-10 | dimethomorph | mancozeb |
| C-1512 | I-10 | dimethomorph | metiram |
| C-1513 | I-10 | dimethomorph | dithianon |
| C-1514 | I-10 | dimethomorph | fosethyl-Al |
| C-1515 | I-10 | dimethomorph | H ₃ PO ₃ |
| C-1516 | I-10 | dimethomorph | Cu |
| C-1517 | I-10 | TAP | ethaboxam |
| C-1518 | I-10 | TAP | kresoxim-methyl |
| C-1519 | I-10 | TAP | orysastrobin |
| C-1520 | I-10 | TAP | pyraclostrobin |
| C-1521 | I-10 | TAP | boscalid |
| C-1522 | I-10 | TAP | dimethomorph |
| C-1523 | I-10 | TAP | mancozeb |
| C-1524 | I-10 | TAP | metiram |
| C-1525 | I-10 | TAP | dithianon |
| C-1526 | I-10 | TAP | fosethyl-Al |
| C-1527 | I-10 | TAP | H ₃ PO ₃ |
| C-1528 | I-10 | TAP | Cu |
| C-1529 | I-10 | mancozeb | ethaboxam |
| C-1530 | I-10 | mancozeb | kresoxim-methyl |
| C-1531 | I-10 | mancozeb | orysastrobin |
| C-1532 | I-10 | mancozeb | pyraclostrobin |
| C-1533 | I-10 | mancozeb | boscalid |
| C-1534 | I-10 | mancozeb | dimethomorph |
| C-1535 | I-10 | mancozeb | TAP |
| C-1536 | I-10 | mancozeb | metiram |
| C-1537 | I-10 | mancozeb | dithianon |
| C-1538 | I-10 | mancozeb | fosethyl-Al |
| C-1539 | I-10 | mancozeb | H ₃ PO ₃ |
| C-1540 | I-10 | mancozeb | Cu |
| C-1541 | I-10 | metiram | ethaboxam |
| C-1542 | I-10 | metiram | kresoxim-methyl |
| C-1543 | I-10 | metiram | orysastrobin |
| C-1544 | I-10 | metiram | pyraclostrobin |

PF 58823

69

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1545 | I-10 | metiram | boscalid |
| C-1546 | I-10 | metiram | dimethomorph |
| C-1547 | I-10 | metiram | TAP |
| C-1548 | I-10 | metiram | mancozeb |
| C-1549 | I-10 | metiram | dithianon |
| C-1550 | I-10 | metiram | fosethyl-Al |
| C-1551 | I-10 | metiram | H ₃ PO ₃ |
| C-1552 | I-10 | metiram | Cu |
| C-1553 | I-10 | dithianon | ethaboxam |
| C-1554 | I-10 | dithianon | kresoxim-methyl |
| C-1555 | I-10 | dithianon | orysastrobin |
| C-1556 | I-10 | dithianon | pyraclostrobin |
| C-1557 | I-10 | dithianon | boscalid |
| C-1558 | I-10 | dithianon | dimethomorph |
| C-1559 | I-10 | dithianon | TAP |
| C-1560 | I-10 | dithianon | mancozeb |
| C-1561 | I-10 | dithianon | metiram |
| C-1562 | I-10 | dithianon | fosethyl-Al |
| C-1563 | I-10 | dithianon | H ₃ PO ₃ |
| C-1564 | I-10 | dithianon | Cu |
| C-1565 | I-10 | fosethyl-Al | ethaboxam |
| C-1566 | I-10 | fosethyl-Al | kresoxim-methyl |
| C-1567 | I-10 | fosethyl-Al | orysastrobin |
| C-1568 | I-10 | fosethyl-Al | pyraclostrobin |
| C-1569 | I-10 | fosethyl-Al | boscalid |
| C-1570 | I-10 | fosethyl-Al | dimethomorph |
| C-1571 | I-10 | fosethyl-Al | TAP |
| C-1572 | I-10 | fosethyl-Al | mancozeb |
| C-1573 | I-10 | fosethyl-Al | metiram |
| C-1574 | I-10 | fosethyl-Al | dithianon |
| C-1575 | I-10 | fosethyl-Al | H ₃ PO ₃ |
| C-1576 | I-10 | fosethyl-Al | Cu |
| C-1577 | I-10 | H ₃ PO ₃ | ethaboxam |
| C-1578 | I-10 | H ₃ PO ₃ | kresoxim-methyl |
| C-1579 | I-10 | H ₃ PO ₃ | orysastrobin |
| C-1580 | I-10 | H ₃ PO ₃ | pyraclostrobin |

PF 58823

70

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1581 | I-10 | H ₃ PO ₃ | boscalid |
| C-1582 | I-10 | H ₃ PO ₃ | dimethomorph |
| C-1583 | I-10 | H ₃ PO ₃ | TAP |
| C-1584 | I-10 | H ₃ PO ₃ | mancozeb |
| C-1585 | I-10 | H ₃ PO ₃ | metiram |
| C-1586 | I-10 | H ₃ PO ₃ | dithianon |
| C-1587 | I-10 | H ₃ PO ₃ | fosethyl-Al |
| C-1588 | I-10 | H ₃ PO ₃ | Cu |
| C-1589 | I-10 | Cu | ethaboxam |
| C-1590 | I-10 | Cu | kresoxim-methyl |
| C-1591 | I-10 | Cu | orysastrobin |
| C-1592 | I-10 | Cu | pyraclostrobin |
| C-1593 | I-10 | Cu | boscalid |
| C-1594 | I-10 | Cu | dimethomorph |
| C-1595 | I-10 | Cu | TAP |
| C-1596 | I-10 | Cu | mancozeb |
| C-1597 | I-10 | Cu | metiram |
| C-1598 | I-10 | Cu | dithianon |
| C-1599 | I-10 | Cu | fosethyl-Al |
| C-1600 | I-10 | Cu | H ₃ PO ₃ |
| C-1601 | I-11 | ethaboxam | kresoxim-methyl |
| C-1602 | I-11 | ethaboxam | orysastrobin |
| C-1603 | I-11 | ethaboxam | pyraclostrobin |
| C-1604 | I-11 | ethaboxam | boscalid |
| C-1605 | I-11 | ethaboxam | dimethomorph |
| C-1606 | I-11 | ethaboxam | boscalid |
| C-1607 | I-11 | ethaboxam | TAP |
| C-1608 | I-11 | ethaboxam | mancozeb |
| C-1609 | I-11 | ethaboxam | metiram |
| C-1610 | I-11 | ethaboxam | dithianon |
| C-1611 | I-11 | ethaboxam | fosethyl-Al |
| C-1612 | I-11 | ethaboxam | H ₃ PO ₃ |
| C-1613 | I-11 | ethaboxam | Cu |
| C-1614 | I-11 | kresoxim-methyl | ethaboxam |
| C-1615 | I-11 | kresoxim-methyl | orysastrobin |
| C-1616 | I-11 | kresoxim-methyl | pyraclostrobin |

PF 58823

71

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-1617 | I-11 | kresoxim-methyl | boscalid |
| C-1618 | I-11 | kresoxim-methyl | dimethomorph |
| C-1619 | I-11 | kresoxim-methyl | boscalid |
| C-1620 | I-11 | kresoxim-methyl | TAP |
| C-1621 | I-11 | kresoxim-methyl | mancozeb |
| C-1622 | I-11 | kresoxim-methyl | metiram |
| C-1623 | I-11 | kresoxim-methyl | dithianon |
| C-1624 | I-11 | kresoxim-methyl | fosethyl-Al |
| C-1625 | I-11 | kresoxim-methyl | H ₃ PO ₃ |
| C-1626 | I-11 | kresoxim-methyl | Cu |
| C-1627 | I-11 | orysastrobin | ethaboxam |
| C-1628 | I-11 | orysastrobin | kresoxim-methyl |
| C-1629 | I-11 | orysastrobin | pyraclostrobin |
| C-1630 | I-11 | orysastrobin | boscalid |
| C-1631 | I-11 | orysastrobin | dimethomorph |
| C-1632 | I-11 | orysastrobin | boscalid |
| C-1633 | I-11 | orysastrobin | TAP |
| C-1634 | I-11 | orysastrobin | mancozeb |
| C-1635 | I-11 | orysastrobin | metiram |
| C-1636 | I-11 | orysastrobin | dithianon |
| C-1637 | I-11 | orysastrobin | fosethyl-Al |
| C-1638 | I-11 | orysastrobin | H ₃ PO ₃ |
| C-1639 | I-11 | orysastrobin | Cu |
| C-1640 | I-11 | pyraclostrobin | ethaboxam |
| C-1641 | I-11 | pyraclostrobin | kresoxim-methyl |
| C-1642 | I-11 | pyraclostrobin | orysastrobin |
| C-1643 | I-11 | pyraclostrobin | boscalid |
| C-1644 | I-11 | pyraclostrobin | dimethomorph |
| C-1645 | I-11 | pyraclostrobin | boscalid |
| C-1646 | I-11 | pyraclostrobin | TAP |
| C-1647 | I-11 | pyraclostrobin | mancozeb |
| C-1648 | I-11 | pyraclostrobin | metiram |
| C-1649 | I-11 | pyraclostrobin | dithianon |
| C-1650 | I-11 | pyraclostrobin | fosethyl-Al |
| C-1651 | I-11 | pyraclostrobin | H ₃ PO ₃ |
| C-1652 | I-11 | pyraclostrobin | Cu |

PF 58823

72

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------|--------------------------------|
| C-1653 | I-11 | boscalid | ethaboxam |
| C-1654 | I-11 | boscalid | kresoxim-methyl |
| C-1655 | I-11 | boscalid | orysastrobin |
| C-1656 | I-11 | boscalid | pyraclostrobin |
| C-1657 | I-11 | boscalid | dimethomorph |
| C-1658 | I-11 | boscalid | TAP |
| C-1659 | I-11 | boscalid | mancozeb |
| C-1660 | I-11 | boscalid | metiram |
| C-1661 | I-11 | boscalid | dithianon |
| C-1662 | I-11 | boscalid | fosethyl-Al |
| C-1663 | I-11 | boscalid | H ₃ PO ₃ |
| C-1664 | I-11 | boscalid | Cu |
| C-1665 | I-11 | dimethomorph | ethaboxam |
| C-1666 | I-11 | dimethomorph | kresoxim-methyl |
| C-1667 | I-11 | dimethomorph | orysastrobin |
| C-1668 | I-11 | dimethomorph | pyraclostrobin |
| C-1669 | I-11 | dimethomorph | boscalid |
| C-1670 | I-11 | dimethomorph | TAP |
| C-1671 | I-11 | dimethomorph | mancozeb |
| C-1672 | I-11 | dimethomorph | metiram |
| C-1673 | I-11 | dimethomorph | dithianon |
| C-1674 | I-11 | dimethomorph | fosethyl-Al |
| C-1675 | I-11 | dimethomorph | H ₃ PO ₃ |
| C-1676 | I-11 | dimethomorph | Cu |
| C-1677 | I-11 | TAP | ethaboxam |
| C-1678 | I-11 | TAP | kresoxim-methyl |
| C-1679 | I-11 | TAP | orysastrobin |
| C-1680 | I-11 | TAP | pyraclostrobin |
| C-1681 | I-11 | TAP | boscalid |
| C-1682 | I-11 | TAP | dimethomorph |
| C-1683 | I-11 | TAP | mancozeb |
| C-1684 | I-11 | TAP | metiram |
| C-1685 | I-11 | TAP | dithianon |
| C-1686 | I-11 | TAP | fosethyl-Al |
| C-1687 | I-11 | TAP | H ₃ PO ₃ |
| C-1688 | I-11 | TAP | Cu |

PF 58823

73

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-------------|--------------------------------|
| C-1689 | I-11 | mancozeb | ethaboxam |
| C-1690 | I-11 | mancozeb | kresoxim-methyl |
| C-1691 | I-11 | mancozeb | orysastrobin |
| C-1692 | I-11 | mancozeb | pyraclostrobin |
| C-1693 | I-11 | mancozeb | boscalid |
| C-1694 | I-11 | mancozeb | dimethomorph |
| C-1695 | I-11 | mancozeb | TAP |
| C-1696 | I-11 | mancozeb | metiram |
| C-1697 | I-11 | mancozeb | dithianon |
| C-1698 | I-11 | mancozeb | fosethyl-Al |
| C-1699 | I-11 | mancozeb | H ₃ PO ₃ |
| C-1700 | I-11 | mancozeb | Cu |
| C-1701 | I-11 | metiram | ethaboxam |
| C-1702 | I-11 | metiram | kresoxim-methyl |
| C-1703 | I-11 | metiram | orysastrobin |
| C-1704 | I-11 | metiram | pyraclostrobin |
| C-1705 | I-11 | metiram | boscalid |
| C-1706 | I-11 | metiram | dimethomorph |
| C-1707 | I-11 | metiram | TAP |
| C-1708 | I-11 | metiram | mancozeb |
| C-1709 | I-11 | metiram | dithianon |
| C-1710 | I-11 | metiram | fosethyl-Al |
| C-1711 | I-11 | metiram | H ₃ PO ₃ |
| C-1712 | I-11 | metiram | Cu |
| C-1713 | I-11 | dithianon | ethaboxam |
| C-1714 | I-11 | dithianon | kresoxim-methyl |
| C-1715 | I-11 | dithianon | orysastrobin |
| C-1716 | I-11 | dithianon | pyraclostrobin |
| C-1717 | I-11 | dithianon | boscalid |
| C-1718 | I-11 | dithianon | dimethomorph |
| C-1719 | I-11 | dithianon | TAP |
| C-1720 | I-11 | dithianon | mancozeb |
| C-1721 | I-11 | dithianon | metiram |
| C-1722 | I-11 | dithianon | fosethyl-Al |
| C-1723 | I-11 | dithianon | H ₃ PO ₃ |
| C-1724 | I-11 | dithianon | Cu |

PF 58823

74

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1725 | I-11 | fosethyl-Al | ethaboxam |
| C-1726 | I-11 | fosethyl-Al | kresoxim-methyl |
| C-1727 | I-11 | fosethyl-Al | orysastrobin |
| C-1728 | I-11 | fosethyl-Al | pyraclostrobin |
| C-1729 | I-11 | fosethyl-Al | boscalid |
| C-1730 | I-11 | fosethyl-Al | dimethomorph |
| C-1731 | I-11 | fosethyl-Al | TAP |
| C-1732 | I-11 | fosethyl-Al | mancozeb |
| C-1733 | I-11 | fosethyl-Al | metiram |
| C-1734 | I-11 | fosethyl-Al | dithianon |
| C-1735 | I-11 | fosethyl-Al | H ₃ PO ₃ |
| C-1736 | I-11 | fosethyl-Al | Cu |
| C-1737 | I-11 | H ₃ PO ₃ | ethaboxam |
| C-1738 | I-11 | H ₃ PO ₃ | kresoxim-methyl |
| C-1739 | I-11 | H ₃ PO ₃ | orysastrobin |
| C-1740 | I-11 | H ₃ PO ₃ | pyraclostrobin |
| C-1741 | I-11 | H ₃ PO ₃ | boscalid |
| C-1742 | I-11 | H ₃ PO ₃ | dimethomorph |
| C-1743 | I-11 | H ₃ PO ₃ | TAP |
| C-1744 | I-11 | H ₃ PO ₃ | mancozeb |
| C-1745 | I-11 | H ₃ PO ₃ | metiram |
| C-1746 | I-11 | H ₃ PO ₃ | dithianon |
| C-1747 | I-11 | H ₃ PO ₃ | fosethyl-Al |
| C-1748 | I-11 | H ₃ PO ₃ | Cu |
| C-1749 | I-11 | Cu | ethaboxam |
| C-1750 | I-11 | Cu | kresoxim-methyl |
| C-1751 | I-11 | Cu | orysastrobin |
| C-1752 | I-11 | Cu | pyraclostrobin |
| C-1753 | I-11 | Cu | boscalid |
| C-1754 | I-11 | Cu | dimethomorph |
| C-1755 | I-11 | Cu | TAP |
| C-1756 | I-11 | Cu | mancozeb |
| C-1757 | I-11 | Cu | metiram |
| C-1758 | I-11 | Cu | dithianon |
| C-1759 | I-11 | Cu | fosethyl-Al |
| C-1760 | I-11 | Cu | H ₃ PO ₃ |

PF 58823

75

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|-----------------|--------------------------------|
| C-1761 | I-12 | ethaboxam | kresoxim-methyl |
| C-1762 | I-12 | ethaboxam | orysastrobin |
| C-1763 | I-12 | ethaboxam | pyraclostrobin |
| C-1764 | I-12 | ethaboxam | boscalid |
| C-1765 | I-12 | ethaboxam | dimethomorph |
| C-1766 | I-12 | ethaboxam | boscalid |
| C-1767 | I-12 | ethaboxam | TAP |
| C-1768 | I-12 | ethaboxam | mancozeb |
| C-1769 | I-12 | ethaboxam | metiram |
| C-1770 | I-12 | ethaboxam | dithianon |
| C-1771 | I-12 | ethaboxam | fosethyl-Al |
| C-1772 | I-12 | ethaboxam | H ₃ PO ₃ |
| C-1773 | I-12 | ethaboxam | Cu |
| C-1774 | I-12 | kresoxim-methyl | ethaboxam |
| C-1775 | I-12 | kresoxim-methyl | orysastrobin |
| C-1776 | I-12 | kresoxim-methyl | pyraclostrobin |
| C-1777 | I-12 | kresoxim-methyl | boscalid |
| C-1778 | I-12 | kresoxim-methyl | dimethomorph |
| C-1779 | I-12 | kresoxim-methyl | boscalid |
| C-1780 | I-12 | kresoxim-methyl | TAP |
| C-1781 | I-12 | kresoxim-methyl | mancozeb |
| C-1782 | I-12 | kresoxim-methyl | metiram |
| C-1783 | I-12 | kresoxim-methyl | dithianon |
| C-1784 | I-12 | kresoxim-methyl | fosethyl-Al |
| C-1785 | I-12 | kresoxim-methyl | H ₃ PO ₃ |
| C-1786 | I-12 | kresoxim-methyl | Cu |
| C-1787 | I-12 | orysastrobin | ethaboxam |
| C-1788 | I-12 | orysastrobin | kresoxim-methyl |
| C-1789 | I-12 | orysastrobin | pyraclostrobin |
| C-1790 | I-12 | orysastrobin | boscalid |
| C-1791 | I-12 | orysastrobin | dimethomorph |
| C-1792 | I-12 | orysastrobin | boscalid |
| C-1793 | I-12 | orysastrobin | TAP |
| C-1794 | I-12 | orysastrobin | mancozeb |
| C-1795 | I-12 | orysastrobin | metiram |
| C-1796 | I-12 | orysastrobin | dithianon |

PF 58823

76

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|----------------|--------------------------------|
| C-1797 | I-12 | orysastrobin | fosethyl-Al |
| C-1798 | I-12 | orysastrobin | H ₃ PO ₃ |
| C-1799 | I-12 | orysastrobin | Cu |
| C-1800 | I-12 | pyraclostrobin | ethaboxam |
| C-1801 | I-12 | pyraclostrobin | kresoxim-methyl |
| C-1802 | I-12 | pyraclostrobin | orysastrobin |
| C-1803 | I-12 | pyraclostrobin | boscalid |
| C-1804 | I-12 | pyraclostrobin | dimethomorph |
| C-1805 | I-12 | pyraclostrobin | boscalid |
| C-1806 | I-12 | pyraclostrobin | TAP |
| C-1807 | I-12 | pyraclostrobin | mancozeb |
| C-1808 | I-12 | pyraclostrobin | metiram |
| C-1809 | I-12 | pyraclostrobin | dithianon |
| C-1810 | I-12 | pyraclostrobin | fosethyl-Al |
| C-1811 | I-12 | pyraclostrobin | H ₃ PO ₃ |
| C-1812 | I-12 | pyraclostrobin | Cu |
| C-1813 | I-12 | boscalid | ethaboxam |
| C-1814 | I-12 | boscalid | kresoxim-methyl |
| C-1815 | I-12 | boscalid | orysastrobin |
| C-1816 | I-12 | boscalid | pyraclostrobin |
| C-1817 | I-12 | boscalid | dimethomorph |
| C-1818 | I-12 | boscalid | TAP |
| C-1819 | I-12 | boscalid | mancozeb |
| C-1820 | I-12 | boscalid | metiram |
| C-1821 | I-12 | boscalid | dithianon |
| C-1822 | I-12 | boscalid | fosethyl-Al |
| C-1823 | I-12 | boscalid | H ₃ PO ₃ |
| C-1824 | I-12 | boscalid | Cu |
| C-1825 | I-12 | dimethomorph | ethaboxam |
| C-1826 | I-12 | dimethomorph | kresoxim-methyl |
| C-1827 | I-12 | dimethomorph | orysastrobin |
| C-1828 | I-12 | dimethomorph | pyraclostrobin |
| C-1829 | I-12 | dimethomorph | boscalid |
| C-1830 | I-12 | dimethomorph | TAP |
| C-1831 | I-12 | dimethomorph | mancozeb |
| C-1832 | I-12 | dimethomorph | metiram |

PF 58823

77

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------|--------------------------------|
| C-1833 | I-12 | dimethomorph | dithianon |
| C-1834 | I-12 | dimethomorph | fosethyl-Al |
| C-1835 | I-12 | dimethomorph | H ₃ PO ₃ |
| C-1836 | I-12 | dimethomorph | Cu |
| C-1837 | I-12 | TAP | ethaboxam |
| C-1838 | I-12 | TAP | kresoxim-methyl |
| C-1839 | I-12 | TAP | orysastrobin |
| C-1840 | I-12 | TAP | pyraclostrobin |
| C-1841 | I-12 | TAP | boscalid |
| C-1842 | I-12 | TAP | dimethomorph |
| C-1843 | I-12 | TAP | mancozeb |
| C-1844 | I-12 | TAP | metiram |
| C-1845 | I-12 | TAP | dithianon |
| C-1846 | I-12 | TAP | fosethyl-Al |
| C-1847 | I-12 | TAP | H ₃ PO ₃ |
| C-1848 | I-12 | TAP | Cu |
| C-1849 | I-12 | mancozeb | ethaboxam |
| C-1850 | I-12 | mancozeb | kresoxim-methyl |
| C-1851 | I-12 | mancozeb | orysastrobin |
| C-1852 | I-12 | mancozeb | pyraclostrobin |
| C-1853 | I-12 | mancozeb | boscalid |
| C-1854 | I-12 | mancozeb | dimethomorph |
| C-1855 | I-12 | mancozeb | TAP |
| C-1856 | I-12 | mancozeb | metiram |
| C-1857 | I-12 | mancozeb | dithianon |
| C-1858 | I-12 | mancozeb | fosethyl-Al |
| C-1859 | I-12 | mancozeb | H ₃ PO ₃ |
| C-1860 | I-12 | mancozeb | Cu |
| C-1861 | I-12 | metiram | ethaboxam |
| C-1862 | I-12 | metiram | kresoxim-methyl |
| C-1863 | I-12 | metiram | orysastrobin |
| C-1864 | I-12 | metiram | pyraclostrobin |
| C-1865 | I-12 | metiram | boscalid |
| C-1866 | I-12 | metiram | dimethomorph |
| C-1867 | I-12 | metiram | TAP |
| C-1868 | I-12 | metiram | mancozeb |

PF 58823

78

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1869 | I-12 | metiram | dithianon |
| C-1870 | I-12 | metiram | fosethyl-Al |
| C-1871 | I-12 | metiram | H ₃ PO ₃ |
| C-1872 | I-12 | metiram | Cu |
| C-1873 | I-12 | dithianon | ethaboxam |
| C-1874 | I-12 | dithianon | kresoxim-methyl |
| C-1875 | I-12 | dithianon | orysastrobin |
| C-1876 | I-12 | dithianon | pyraclostrobin |
| C-1877 | I-12 | dithianon | boscalid |
| C-1878 | I-12 | dithianon | dimethomorph |
| C-1879 | I-12 | dithianon | TAP |
| C-1880 | I-12 | dithianon | mancozeb |
| C-1881 | I-12 | dithianon | metiram |
| C-1882 | I-12 | dithianon | fosethyl-Al |
| C-1883 | I-12 | dithianon | H ₃ PO ₃ |
| C-1884 | I-12 | dithianon | Cu |
| C-1885 | I-12 | fosethyl-Al | ethaboxam |
| C-1886 | I-12 | fosethyl-Al | kresoxim-methyl |
| C-1887 | I-12 | fosethyl-Al | orysastrobin |
| C-1888 | I-12 | fosethyl-Al | pyraclostrobin |
| C-1889 | I-12 | fosethyl-Al | boscalid |
| C-1890 | I-12 | fosethyl-Al | dimethomorph |
| C-1891 | I-12 | fosethyl-Al | TAP |
| C-1892 | I-12 | fosethyl-Al | mancozeb |
| C-1893 | I-12 | fosethyl-Al | metiram |
| C-1894 | I-12 | fosethyl-Al | dithianon |
| C-1895 | I-12 | fosethyl-Al | H ₃ PO ₃ |
| C-1896 | I-12 | fosethyl-Al | Cu |
| C-1897 | I-12 | H ₃ PO ₃ | ethaboxam |
| C-1898 | I-12 | H ₃ PO ₃ | kresoxim-methyl |
| C-1899 | I-12 | H ₃ PO ₃ | orysastrobin |
| C-1900 | I-12 | H ₃ PO ₃ | pyraclostrobin |
| C-1901 | I-12 | H ₃ PO ₃ | boscalid |
| C-1902 | I-12 | H ₃ PO ₃ | dimethomorph |
| C-1903 | I-12 | H ₃ PO ₃ | TAP |
| C-1904 | I-12 | H ₃ PO ₃ | mancozeb |

PF 58823

79

| No. | Component 1 | Component 2 | Component 3 |
|--------|-------------|--------------------------------|--------------------------------|
| C-1905 | I-12 | H ₃ PO ₃ | metiram |
| C-1906 | I-12 | H ₃ PO ₃ | dithianon |
| C-1907 | I-12 | H ₃ PO ₃ | fosethyl-Al |
| C-1908 | I-12 | H ₃ PO ₃ | Cu |
| C-1909 | I-12 | Cu | ethaboxam |
| C-1910 | I-12 | Cu | kresoxim-methyl |
| C-1911 | I-12 | Cu | orysastrobin |
| C-1912 | I-12 | Cu | pyraclostrobin |
| C-1913 | I-12 | Cu | boscalid |
| C-1914 | I-12 | Cu | dimethomorph |
| C-1915 | I-12 | Cu | TAP |
| C-1916 | I-12 | Cu | mancozeb |
| C-1917 | I-12 | Cu | metiram |
| C-1918 | I-12 | Cu | dithianon |
| C-1919 | I-12 | Cu | fosethyl-Al |
| C-1920 | I-12 | Cu | H ₃ PO ₃ |

The aforementioned active compounds may be present in form of their agriculturally acceptable salts. Usually alkali metal, earth alkali metal salts, such as sodium, or potassium salts are considered therefor.

5

It has been found that the fungicidal action of the aforementioned binary and ternary mixtures goes far beyond the fungicidal action of the fungicide(s) present in the mixture alone (synergistic mixtures). It has been shown that the mixtures exhibit plant health effects (as outlined above) in the frame of the present invention. The term plant health

10 comprises various sorts of improvements of plants that are not connected to the control of pests or pathogens.

In one embodiment of the method according to the present invention the compound of formula I is applied alone.

15

In another embodiment of the method according to the present invention a mixture of a compound of formula I, especially one of the preferred compounds as outlined above, with a further fungicide is applied. The respective preferred embodiments are in accordance with the above-mentioned ones.

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PF 58823

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Under specific circumstances mixtures of a compound of formula I with three other active compounds may be advantageous. Such three other active compounds are preferably selected from the fungicidal and insecticidal compounds mentioned in this specification, in particular from the preferred active compounds mentioned.

5

Another embodiment relates to mixtures comprising the compounds of formula I and compounds II in a synergistic effective amount and are used for combating harmful fungi.

10 In one embodiment of the present invention, the compound of formula I or compounds of formula I is/are used for a method of improving the health of plants, which comprises treating a site, for example a plant or a plant propagation material, that is infested or liable to be infested by fungi with at least a compound of formula I. In another embodiment of the method application can be made in the absence of pest pressure.

15

In another embodiment of the present invention, the compound of formula I or compounds of formula I is/are used in combination with a further active compound II, optionally in combination with a further active compound, e.g. fungicide, for a method of controlling fungi and/or improving the health of plants, which comprises treating a site,
20 for example a plant or a plant propagation material, that is infested or liable to be infested by fungi with the active compounds in any desired sequence or simultaneously, that is, jointly or separately.

25

The inventive method is suitable for foliar application in living crops of plants, for soil applications prior to sowing or planting, including overall soil treatment and furrow applications, as well as, in particular, for dressing applications on plant propagation material. The latter term embraces seeds of all kinds (fruit, tubers, grains), cuttings, cut shoots and the like. One particular field of application is the treatment of all kinds of seeds.

30

The compounds of formula I, and the combinations of a compound of formula I and a further compound II are suitable in particular for controlling harmful fungi from the class of the Peronosporomycetes (syn. Oomycetes), such as Peronospora species, Phytophthora species, Plasmopara viticola and Pseudoperonospora species, in
35 particular fungi corresponding to those mentioned below.

PF 58823

81

The compounds of formula I, and the combinations of a compound of formula I and a further compound II and optionally a further component III, preferably ternary mixtures of table C, are especially suitable for controlling the following harmful fungi:

- Alternaria species on vegetables, oilseed rape, sugar beet, cereals, fruit and rice, such as, e.g. *A. solani* or *A. alternata* on potatoes and tomatoes,
- Aphanomyces species on sugar beet and vegetables,
- Ascochyta species on cereals and vegetables, e.g. *Ascochyta tritici* on wheat,
- Bipolaris and Drechslera species on corn, cereals, rice and lawns, such as, e.g. *D. maydis* on corn,
- Blumeria graminis (powdery mildew) on cereals, e.g. wheat or barley,
- Botrytis cinerea (gray mold) on strawberries, vegetables, flowers, wheat and grapes,
- Bremia lactucae on lettuce,
- Cercospora species on corn, soybeans, rice and sugar beet, e.g. *Cercospora sojae* or *Cercospora kikuchii* on soybeans,
- Cladosporium herbarum on wheat,
- Cochliobolus species on corn, cereals, rice, such as, e.g. *Cochliobolus sativus* on cereals, *Cochliobolus miyabeanus* on rice,
- Colletotrichum species on soybeans and cotton, e.g. *Colletotrichum truncatum* on soybeans,
- Corynespora cassiicola on soybeans,
- Dematophora necatrix on soybeans,
- Diaporthe phaseolorum on soybeans,
- Drechslera species, Pyrenophora species on corn, cereals, rice and lawns, such as, e.g. *D. teres* on barley or *D. tritici-repentis* on wheat,
- Esca on grapevines, caused by *Phaeoacremonium chlamydosporium*, *Ph. Aleophilum* and *Formitipora punctata* (syn. *Phellinus punctatus*);
- Elsinoe ampelina on wheat,
- Entyloma oryzae on rice,
- Epicoccum spp. on wheat,
- Exserohilum species on corn,
- Erysiphe cichoracearum and *Sphaerotheca fuliginea* on cucumbers,
- Fusarium and Verticillium species on various plants, such as, e.g. *F. graminearum* or *F. culmorum* on cereals or *F. oxysporum* on a multitude of plants, such as, e.g. tomatoes, and *Fusarium solani* on soybeans,
- Gaeumanomyces graminis on cereals, e.g. wheat or barley,
- Glomerella cingulata on grapes and other crops,
- Gibberella species on cereals and rice (for example *Gibberella fujikuroi* on rice);
- Grainstaining complex on rice;

PF 58823

82

- *Guignardia budwelli* on grapes,
- *Helminthosporium* species on corn and rice,
- *Isariopsis clavispora* on grapes,
- *Macrophomina phaseolina* on soybeans,
- 5 • *Microdochium nivale* on cereals;
- *Microsphaera diffusa* on soybeans,
- *Mycosphaerella* species on cereals, bananas and groundnuts, such as, e.g.,
M. graminicola on wheat or *M. fijiensis* on bananas;
- *Peronospora* species on cabbage and bulbous plants, such as, e.g.,
- 10 *P. brassicae* on cabbage, *P. destructor* on onions, or *P. manshurica* on soybeans,
- *Phakopsara pachyrhizi* and *Phakopsara meibomia* on soybeans,
- *Phialophora gregata* on soybeans,
- *Phomopsis* species on sunflowers, soybeans (e.g. *P. phaseoli*) and grapes
(e.g. *P. viticola*),
- 15 • *Phytophthora* species on various plants, such as, e.g. *P. capsici* on bell pepper,
P. megasperma on soybeans, and *P. infestans* on potatoes and tomatoes,
- *Plasmopara viticola* on grapevines,
- *Podosphaera leucotricha* on apples,
- *Pseudocercospora herpotrichoides* on cereals (wheat or barley),
- 20 • *Pseudoperonospora* on various plants, such as, e.g. *P. cubensis* on cucumber or
P. humili on hops,
- *Pseudopezicula tracheiphilae* on grapes,
- *Puccinia* species on various plants, such as, e.g. *P. triticina*, *P. striformis*, *P. hordei*
or *P. graminis* on cereals (wheat or barley) or *P. asparagi* on asparagus,
- 25 • *Pyricularia oryzae*, *Corticium sasakii*, *Sarocladium oryzae*, *S. attenuatum*,
Entyloma oryzae on rice,
- *Pyrenophora tritici-repentis* on wheat or *Pyrenophora teres* on barley,
- *Pyricularia grisea* on lawns and cereals,
- *Pythium* spp. on lawns, rice, corn, wheat, cotton, oilseed rape, sunflowers, sugar
30 beet, vegetables and other plants, such as, e.g. *P. ultimum* on various plants,
P. aphanidermatum on lawns;
- *Ramularia collo-cygni* (physiological leaf spots) on barley,
- *Rhizoctonia* species on cotton, rice, potatoes, lawns, corn, oilseed rape, potatoes,
sugar beet, vegetables and on various plants, such as, e.g. *R. solani* on beet and
various plants, and *Rhizoctonia cerealis* on wheat or barley,
- 35 • *Rhynchosporium secalis* on barley, rye and triticale,
- *Sclerotinia* species on oilseed rape and sunflowers, and e.g. *S. sclerotiorum* or
S. rolfsii on soybeans,

PF 58823

83

- Septoria glycines on soybeans,
- Septoria tritici and Stagonospora nodorum on wheat,
- Erysiphe (syn. Uncinula) necator on grapevines,
- Setosphaeria species on corn and lawns,
- 5 • Sphacelotheca reilinia on corn,
- Stagonospora nodorum on wheat,
- Thievaliopsis species on soybeans and cotton,
- Tilletia species on cereals,
- Typhula incarnata on wheat or barley,
- 10 • Ustilago species on cereals, corn and sugar cane, such as, e.g. U. maydis on corn,
- Venturia species (scab) on apples and pears, such as, for example, V. inaequalis on apples.

The compounds of formula I and the further active compound(s) II, and optionally the
15 further active compound(s), can be applied simultaneously, that is jointly or separately,
or in succession; the sequence, in the case of separate application, generally not having
any effect on the fungicidal and/or the plant health action.

The compounds of formula I and the further active compound(s) II are usually applied in
20 a synergistically effective amount, preferably in a weight ratio of from 100:1 to 1:100,
preferably 50:1 to 1:50, in particular from 20:1 to 1:20, preferably from 10:1 to 1:10. In
case of ternary mixtures the compound(s) of formula I, the active compound II and the
further active compound are present in a ratio range of from 1:50:500 to 50:1:1,
preferably 1:20:50 to 20:1:0.1, in particular 1:10:20 to 10:1:1. In case of quaternary
25 mixtures the further compound is usually admixed to the ternary mixture in a ratio range
of 100:1 to 1:100, preferably 20:1 to 1:20.

Depending on the desired effect, the application rates of the compounds of formula I
according to the invention are, especially in the case of areas under agricultural
30 cultivation, from 5 to 2 000 g/ha, preferably from 50 to 1 500 g/ha, in particular from 50 to
750 g/ha.

Due to the increased efficacy of the synergistically active mixtures such mixtures are
usually applied in about 5 to 2 000 g/ha, preferably from 50 to 1 500 g/ha, in particular
35 from 50 to 1 000g/ha.

In the treatment of seed, the application rates of the compounds of formula I according
to the invention are generally from 3 kg : 30 g a.i./100 kg, 100 g : 1 g a.i./100 kg, 30 g : 3

PF 58823

84

kg a.i./100 kg or 1 g : 100g a.i./100 kg. For some specific crop seeds, such as lettuce or onions, the rates can be higher.

5 The aforementioned ratios apply also for the synergistically active mixtures according to the invention.

A further embodiment of the present invention is directed to the seeds being treated with the compounds of formula I according to the present invention.

10 This invention also relates to a method of improving the health of plants, which comprises treating a site, for example a plant or a plant propagation material, with at least a compound of formula I. Such method may also include application of further fungicidal and/or insecticidal active compounds as outlined above.

15 The compounds of formula I may also be used in crops which tolerate the action of herbicides or fungicides or insecticides owing to breeding, including genetic engineering methods.

20 The compounds of formula I can be employed in transgenic crops which are resistant to herbicides from the group consisting of the sulfonylureas, imidazolinones, glufosinate-ammonium or glyphosate-isopropylammonium and analogous active substances (see for example, EP-A 242 236, EP-A 242 246) (WO 92/00377) (EP-A 257 993, US 5,013,659) or in transgenic crop plants, for example cotton, with the capability of producing *Bacillus thuringiensis* toxins (Bt toxins) which make the plants resistant to certain pests (EP-A
25 142 924, EP-A 193 259).

30 The compound(s) of formula I can be used also for the treatment of plants which have modified characteristics in comparison with existing plants consist, which can be generated for example by traditional breeding methods and/or the generation of mutants, or by recombinant procedures). For example, a number of cases have been described of recombinant modifications of crop plants for the purpose of modifying the starch synthesized in the plants (e.g. WO 92/11376, WO 92/14827, WO 91/19806) or of transgenic crop plants having a modified fatty acid composition (WO 91/13972).

35 The active compound(s) according to the invention can be prepared, for example, in the form of directly sprayable solutions, powders and suspensions or in the form of highly concentrated aqueous, oily or other suspensions, dispersions, emulsions, oil dispersions, pastes, dusts, compositions for spreading or granules, and be applied by

PF 58823

85

spraying, atomizing, dusting, broadcasting or watering or colored suspension, solution, emulsion to be applied as such or as water based slurry with seed treatment machinery. The use form depends on the particular purpose; in each case, it should ensure a distribution of the mixture according to the invention, which is as fine and uniform as possible.

The active compound(s) can be converted into the customary formulations, for example solutions, emulsions, suspensions, dusts, powders, pastes and granules. The use form depends on the particular intended purpose; in each case, it should ensure a fine and even distribution of the compound according to the invention.

The formulations are prepared in a known manner (see e.g. for review US 3,060,084, EP-A 707 445 (for liquid concentrates), Browning, "Agglomeration", Chemical Engineering, Dec. 4, 1967, 147-48, Perry's Chemical Engineer's Handbook, 4th Ed., McGraw-Hill, New York, 1963, pages 8-57 and et seq. WO 91/13546, US 4,172,714, US 4,144,050, US 3,920,442, US 5,180,587, US 5,232,701, US 5,208,030, GB 2,095,558, US 3,299,566, Klingman, Weed Control as a Science, John Wiley and Sons, Inc., New York, 1961, Hance et al., Weed Control Handbook, 8th Ed., Blackwell Scientific Publications, Oxford, 1989 and Mollet, H., Grubemann, A., Formulation technology, Wiley VCH Verlag GmbH, Weinheim (Germany), 2001, 2. D. A. Knowles, Chemistry and Technology of Agrochemical Formulations, Kluwer Academic Publishers, Dordrecht, 1998 (ISBN 0-7514-0443-8), for example by extending the active compound with auxiliaries suitable for the formulation of agrochemicals, such as solvents and/or carriers, if desired emulsifiers, surfactants and dispersants, preservatives, antifoaming agents, anti-freezing agents, for seed treatment formulation also optionally colorants and/or binders and/or gelling agents.

Examples of suitable solvents are water, aromatic solvents (for example Solvesso products, xylene), paraffins (for example mineral oil fractions), alcohols (for example methanol, butanol, pentanol, benzyl alcohol), ketones (for example cyclohexanone, gamma-butyrolactone), pyrrolidones (NMP, NOP), acetates (glycol diacetate), glycols, fatty acid dimethylamides, fatty acids and fatty acid esters. In principle, solvent mixtures may also be used.

Suitable emulsifiers are nonionic and anionic emulsifiers (for example polyoxyethylene fatty alcohol ethers, alkylsulfonates and arylsulfonates).

Examples of dispersants are lignin-sulfite waste liquors and methylcellulose.

PF 58823

86

Suitable surfactants used are alkali metal, alkaline earth metal and ammonium salts of lignosulfonic acid, naphthalenesulfonic acid, phenolsulfonic acid, dibutylnaphthalenesulfonic acid, alkylarylsulfonates, alkyl sulfates, alkylsulfonates, fatty alcohol sulfates, fatty acids and sulfated fatty alcohol glycol ethers, furthermore
5 condensates of sulfonated naphthalene and naphthalene derivatives with formaldehyde, condensates of naphthalene or of naphthalenesulfonic acid with phenol and formaldehyde, polyoxyethylene octylphenol ether, ethoxylated isooctylphenol, octylphenol, nonylphenol, alkylphenol polyglycol ethers, tributylphenyl polyglycol ether,
10 tristearylphenyl polyglycol ether, alkylaryl polyether alcohols, alcohol and fatty alcohol ethylene oxide condensates, ethoxylated castor oil, polyoxyethylene alkyl ethers, ethoxylated polyoxypropylene, lauryl alcohol polyglycol ether acetal, sorbitol esters, lignosulfite waste liquors and methylcellulose.

15 Substances which are suitable for the preparation of directly sprayable solutions, emulsions, pastes or oil dispersions are mineral oil fractions of medium to high boiling point, such as kerosene or diesel oil, furthermore coal tar oils and oils of vegetable or animal origin, aliphatic, cyclic and aromatic hydrocarbons, for example toluene, xylene, paraffin, tetrahydronaphthalene, alkylated naphthalenes or their derivatives, methanol,
20 ethanol, propanol, butanol, cyclohexanol, cyclohexanone, isophorone, highly polar solvents, for example dimethyl sulfoxide, N-methylpyrrolidone or water.

Also anti-freezing agents such as glycerin, ethylene glycol, propylene glycol and bactericides such as can be added to the formulation.

25

Suitable antifoaming agents are for example antifoaming agents based on silicon or magnesium stearate.

Suitable preservatives are for example dichlorophen und enzyalkoholhemiformal.

30

Seed Treatment formulations may additionally comprise binders and optionally colorants.

35 Binders can be added to improve the adhesion of the active materials on the seeds after treatment. Suitable binders are block copolymers EO/PO surfactants but also polyvinylalcoholsl, polyvinylpyrrolidones, polyacrylates, polymethacrylates, polybutenes, polyisobutylenes, polystyrene, polyethyleneamines, polyethyleneamides,

PF 58823

87

polyethyleneimines (Lupasol®, Polymin®), polyethers, polyurethans, polyvinylacetate, tylose and copolymers derived from these polymers.

Optionally, also colorants can be included in the formulation. Suitable colorants or dyes
5 for seed treatment formulations are Rhodamin B, C.I. Pigment Red 112, C.I. Solvent
Red 1, pigment blue 15:4, pigment blue 15:3, pigment blue 15:2, pigment blue 15:1,
pigment blue 80, pigment yellow 1, pigment yellow 13, pigment red 112, pigment red
48:2, pigment red 48:1, pigment red 57:1, pigment red 53:1, pigment orange 43, pigment
10 orange 34, pigment orange 5, pigment green 36, pigment green 7, pigment white 6,
pigment brown 25, basic violet 10, basic violet 49, acid red 51, acid red 52, acid red 14,
acid blue 9, acid yellow 23, basic red 10, basic red 108.

An Example of a gelling agent is carrageen (Satiagel®).

15 Powders, materials for spreading and dustable products can be prepared by mixing or
concomitantly grinding the active substances with a solid carrier.

Granules, for example coated granules, impregnated granules and homogeneous
granules, can be prepared by binding the active compounds to solid carriers.

20

Examples of solid carriers are mineral earths such as silica gels, silicates, talc, kaolin,
attaclay, limestone, lime, chalk, bole, loess, clay, dolomite, diatomaceous earth, calcium
sulfate, magnesium sulfate, magnesium oxide, ground synthetic materials, fertilizers,
such as, for example, ammonium sulfate, ammonium phosphate, ammonium nitrate,
25 ureas, and products of vegetable origin, such as cereal meal, tree bark meal, wood meal
and nutshell meal, cellulose powders and other solid carriers.

In general, the formulations comprise from 0.01 to 95% by weight, preferably from 0.1 to
90% by weight, of the active compound(s). In this case, the active compound(s) are
30 employed in a purity of from 90% to 100% by weight, preferably 95% to 100% by
weight(according to NMR spectrum).

The active compound concentrations in the ready-to-use preparations can be varied
within relatively wide ranges. In general, they are from 0.0001 to 10%, preferably from
35 0.01 to 1% per weight.

PF 58823

88

The active compounds may also be used successfully in the ultra-low-volume process (ULV), it being possible to apply formulations comprising over 95% by weight of active compound, or even to apply the active compound without additives.

- 5 For seed treatment purposes, respective formulations can be diluted 2-10 fold leading to concentrations in the ready to use preparations of 0,01 to 60% by weight active compound by weight, preferably 0,1 to 40% by weight.

10 The compound(s) of formula I can be used as such, in the form of their formulations or the use forms prepared therefrom, for example in the form of directly sprayable solutions, powders, suspensions or dispersions, emulsions, oil dispersions, pastes, dustable products, materials for spreading, or granules, by means of spraying, atomizing, dusting, spreading or pouring. The use forms depend entirely on the intended purposes; they are intended to ensure in each case the finest possible distribution of the
15 active compound(s) according to the invention.

Aqueous use forms can be prepared from emulsion concentrates, pastes or wettable powders (sprayable powders, oil dispersions) by adding water. To prepare emulsions, pastes or oil dispersions, the substances, as such or dissolved in an oil or solvent, can
20 be homogenized in water by means of a wetter, tackifier, dispersant or emulsifier. However, it is also possible to prepare concentrates composed of active substance, wetter, tackifier, dispersant or emulsifier and, if appropriate, solvent or oil, and such concentrates are suitable for dilution with water.

25 The following are examples of formulations:

1. Products for dilution with water for foliar applications. For seed treatment purposes, such products may be applied to the seed diluted or undiluted.

30 A) Water-soluble concentrates (SL, LS)
10 parts by weight of the active compound(s) are dissolved in 90 parts by weight of water or a water-soluble solvent. As an alternative, wetters or other auxiliaries are added. The active compound(s) dissolves upon dilution with water, whereby a formulation with 10 % (w/w) of active compound(s) is obtained.

35

B) Dispersible concentrates (DC)
20 parts by weight of the active compound(s) are dissolved in 70 parts by weight of cyclohexanone with addition of 10 parts by weight of a dispersant, for example

PF 58823

89

polyvinylpyrrolidone. Dilution with water gives a dispersion, whereby a formulation with 20% (w/w) of active compound(s) is obtained.

C) Emulsifiable concentrates (EC)

- 5 15 parts by weight of the active compound(s) are dissolved in 7 parts by weight of xylene with addition of calcium dodecylbenzenesulfonate and castor oil ethoxylate (in each case 5 parts by weight). Dilution with water gives an emulsion, whereby a formulation with 15% (w/w) of active compound(s) is obtained.

10 D) Emulsions (EW, EO, ES)

- 25 parts by weight of the active compound(s) are dissolved in 35 parts by weight of xylene with addition of calcium dodecylbenzenesulfonate and castor oil ethoxylate (in each case 5 parts by weight). This mixture is introduced into 30 parts by weight of water by means of an emulsifier machine (e.g. Ultraturrax) and made into a homogeneous
15 emulsion. Dilution with water gives an emulsion, whereby a formulation with 25% (w/w) of active compound(s) is obtained.

E) Suspensions (SC, OD, FS)

- In an agitated ball mill, 20 parts by weight of the active compound(s) are comminuted
20 with addition of 10 parts by weight of dispersants, wetters and 70 parts by weight of water or of an organic solvent to give a fine active compound(s) suspension. Dilution with water gives a stable suspension of the active compound(s), whereby a formulation with 20% (w/w) of active compound(s) is obtained.

25 F) Water-dispersible granules and water-soluble granules (WG, SG)

- 50 parts by weight of the active compound(s) are ground finely with addition of 50 parts by weight of dispersants and wetters and made as water-dispersible or water-soluble granules by means of technical appliances (for example extrusion, spray tower, fluidized bed). Dilution with water gives a stable dispersion or solution of the active compound(s),
30 whereby a formulation with 50% (w/w) of active compound(s) is obtained.

G) Water-dispersible powders and water-soluble powders (WP, SP, SS, WS)

- 75 parts by weight of the active compound(s) are ground in a rotor-stator mill with addition of 25 parts by weight of dispersants, wetters and silica gel. Dilution with water
35 gives a stable dispersion or solution of the active compound(s), whereby a formulation with 75% (w/w) of active compound(s) is obtained.

PF 58823

90

H) Gel-Formulation (GF)

In an agitated ball mill, 20 parts by weight of the active compound(s) are comminuted with addition of 10 parts by weight of dispersants, 1 part by weight of a gelling agent wetters and 70 parts by weight of water or of an organic solvent to give a fine active
5 compound(s) suspension. Dilution with water gives a stable suspension of the active compound(s), whereby a formulation with 20% (w/w) of active compound(s) is obtained.

2. Products to be applied undiluted for foliar applications. For seed treatment purposes, such products may be applied to the seed diluted.

10

I) Dustable powders (DP, DS)

5 parts by weight of the active compound(s) are ground finely and mixed intimately with 95 parts by weight of finely divided kaolin. This gives a dustable product having 5%
15 (w/w) of active compound(s)

J) Granules (GR, FG, GG, MG)

0.5 part by weight of the active compound(s) is ground finely and associated with 95.5 parts by weight of carriers, whereby a formulation with 0.5% (w/w) of active compound(s) is obtained. Current methods are extrusion, spray-drying or the fluidized bed. This gives
20 granules to be applied undiluted for foliar use.

K) ULV solutions (UL)

10 parts by weight of the active compound(s) are dissolved in 90 parts by weight of an organic solvent, for example xylene. This gives a product having 10% (w/w) of active
25 compound(s), which is applied undiluted for foliar use.

Conventional seed treatment formulations include for example flowable concentrates FS, solutions LS, powders for dry treatment DS, water dispersible powders for slurry
30 treatment WS, water-soluble powders SS and emulsion ES and EC and gel formulation GF. These formulation can be applied to the seed diluted or undiluted. Application to the seeds is carried out before sowing, either directly on the seeds.

In a preferred embodiment a FS formulation is used for seed treatment. Typically, a FS formulation may comprise 1-800 g/l of active ingredient, 1-200 g/l Surfactant, 0 to 200 g/l
35 antifreezing agent, 0 to 400 g/l of binder, 0 to 200 g/l of a pigment and up to 1 liter of a solvent, preferably water.

PF 58823

Various types of oils, wetters, adjuvants, herbicides, fungicides, other pesticides, or bactericides may be added to the active compounds, if appropriate not until immediately prior to use (tank mix). These agents can be admixed with the agents according to the invention in a weight ratio of 1:100 to 100:1, preferably 1:10 to 10:1.

5

Suitable adjuvants in this sense are in particular: organically modified polysiloxanes, for example Break Thru S 240®; alcohol alkoxylates, for example Atplus 245®, Atplus MBA 1303®, Plurafac LF 300® and Lutensol ON 30®; EO/PO block polymers, for example Pluronic RPE 2035® and Genapol B®; alcohol ethoxylates, for example Lutensol XP 80®; and sodium dioctylsulfosuccinate, for example Leophen RA®.

10

The testing of the compounds according to the present invention shows that the compound(s) of formula I are effective in improving plant health.

15

Use Example: Effects on plant growth in the plant Arabidopsis thaliana

The trial was conducted in a growth chamber with temperature of 22°C, relative humidity of 65 % and light (150 µmol.m⁻².sec⁻¹) of 14 h a day. Water was applied automatically two times per week, while once a week fertilizer was used.

20

8 trays with 32 pockets were used each containing one 6 cm diameter pot (Teku TO 6 D) per pocket. The pots were filled with standard soil for Arabidopsis with perlite. All plots were seeded with stratified seeds and placed in the growth chamber.

25

The plants were applied 14 days after the planting. Compared was the blank formulation (without active ingredient) and the formulated compound [I-7] at the dose rates 150, 75 and 37,5 ppm active ingredient. Spray volume was 200 litre per ha.

30

Assessments were made 14 days after application. LemnaTec® equipment was used to image all plants and extract plant growth area (in pixels).

The obtained results are shown below:

Measurement Plant area at t=30 (30 day after planting)

| Analysis Variable : Plant Area | | | | | | |
|--------------------------------|-------|-----------|----------|---------|---------|----|
| Treatment | N Obs | Mean | Std Dev | Minimum | Maximum | N |
| Blank formulation | 83 | 476145.30 | 57112.75 | 315508 | 597253 | 83 |
| I-7 | 84 | 496643.67 | 54063.72 | 391134 | 616047 | 84 |

PF 58823

92

Measurement Plant area at t=30 (30 day after planting)

| Type 3 Tests of Fixed Effects | | | | | | | | | |
|-------------------------------|-----------|-----------|------------|--------|-----------|-----------|-------|----------------|------------------|
| Effect | Num DF | Den DF | F Value | Pr > F | ANOVA F | | | | |
| | | | | | Num DF | Den DF | Value | Pr > F(DDF) | Pr > F(infty) |
| Dose rate | 2 | 124 | 0.02 | 0.9826 | 2 | . | 0.02 | . | 0.9824 |
| Treatment | 1 | 124 | 5.46 | 0.0211 | 1 | . | 5.46 | . | 0.0195 |
| Dose*Treatment | 2 | 124 | 1.43 | 0.2437 | 2 | . | 1.42 | . | 0.2419 |
| Tray_ | 6 | 124 | 0.93 | 0.4789 | 6 | . | 0.93 | . | 0.4702 |
| Tray_*Treatment | 6 | 124 | 0.56 | 0.7608 | 6 | . | 0.56 | . | 0.7635 |
| Tray_*Dose rate | 12 | 124 | 1.2 | 0.2918 | 12 | . | 1.18 | . | 0.2903 |
| Tray_*Dose*Treatment | 12 | 124 | 1.64 | 0.0881 | 12 | . | 1.63 | . | 0.075 |

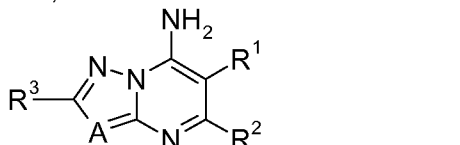
- We can conclude that plants treated with a compound of formula I are significant different from those treated with the blank formulation (without active ingredient). The
- 5 plants treated with compound I-7 were larger than those treated with the blank formulation (without active ingredient) when measured 16 days after the application. There is no doses effect.

PF 58823

93

Claims:

1. A method of improving the health of plants comprising treating a site with at least one compound of formula I,



5

in which the substituents are as defined below:

R¹ is C₃-C₁₂-alkyl, C₂-C₁₂-alkenyl, C₅-C₁₂-alkoxyalkyl, C₃-C₆-cycloalkyl, phenyl or phenyl-C₁-C₄-alkyl;

10

R² is C₁-C₁₂-alkyl, C₂-C₁₂-alkenyl, C₁-C₄-haloalkyl, or C₁-C₄-alkoxy-C₁-C₄-alkyl; where the aliphatic chains in R¹ and/or R² may be substituted by one to four identical or different groups R^a:

R^a is halogen, cyano, hydroxyl, mercapto, C₁-C₁₀-alkyl, C₁-C₁₀-haloalkyl, C₃-C₈-cycloalkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₁-C₆-alkoxy-C₁-C₆-alkyl, or NR^AR^B;

15

R^A, R^B are hydrogen or C₁-C₆-alkyl;

where the cyclic groups in R¹ and/or R^a may be substituted by one to four groups R^b:

R^b is halogen, cyano, hydroxyl, mercapto, nitro, NR^AR^B, C₁-C₁₀-alkyl, C₁-C₆-haloalkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl or C₁-C₆-alkoxy;

20

R³ is hydrogen, halogen, cyano, NR^AR^B, hydroxyl, mercapto, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₈-cycloalkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₃-C₈-cycloalkoxy, C₃-C₈-cycloalkylthio, carboxyl, formyl, C₁-C₁₀-alkylcarbonyl, C₁-C₁₀-alkoxy-carbonyl, C₂-C₁₀-alkenyloxycarbonyl, C₂-C₁₀-alkynyloxycarbonyl, phenyl, phenoxy, phenylthio, benzyloxy, benzylthio, or C₁-C₆-alkyl-S(O)_m-;

25

m is 0, 1 or 2;

A is CH or N;

or their agriculturally compatible salts.

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2. A method as defined in claim 1, wherein the compound of formula I has the following meanings:

R¹ is C₃-C₁₂-alkyl, C₅-C₁₂-alkoxyalkyl, phenyl or phenyl-C₁-C₄-alkyl, where phenyl may be substituted by one to three groups R^b;

R² is C₁-C₁₂-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl;

R³ is hydrogen or NH₂.

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3. A method as defined in claim 1 or 2, wherein the compound of formula I selected

PF 58823

94

from the group consisting of 6-(3,4-dichloro-phenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-(4-tert-butylphenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-methyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-ethyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-ethyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-octyl-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methoxymethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-octyl-5-trifluormethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine and 5-trifluoromethyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine.

4. A method as defined in any one of claims 1 to 3, wherein the site is a plant or a plant propagation material.
5. A method as defined in any one of claims 1 to 4, which comprises applying the active compounds in the absence of pest pressure.
6. A method as defined in any one of claims 1 to 5, which comprises applying in any desired sequence, simultaneously, that is, jointly or separately, or in succession, effective amounts of a combination of a compound of formula I and one or two further fungicides selected from the following groups:
 - A) strobilurins, such as azoxystrobin, dimoxystrobin, enestroburin, fluoxastrobin, kresoxim-methyl, methominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, pyribencarb, trifloxystrobin, 2-(ortho-((2,5-dimethylphenyl-oxymethylen)phenyl)-3-methoxy-acrylsäuremethylester;
 - B) carbonic acid amides, such as anilides: benalaxyl, benalaxyl-M, benodanil, bixafen, boscalid, carboxin, carpropamid, diclocymet, fenfuram, fenhexamid, flutolanil, furametpyr, isotianil, kiralaxyl, mandipropamid, mepronil, metalaxyl, ofurace, oxadixyl, oxycarboxin, penthiopyrad, silthiofam, thifluzamide, tiadinil, N-(3',4'-dichloro-5-fluoro-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(2-(1,3-dimethyl-butyl)-phenyl)-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxylic acid amide, N-(4'-chloro-3',5-difluoro-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(4'-chloro-3',5-difluoro-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(3',4'-dichloro-5-fluoro-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(3',5-difluoro-4'-methyl-biphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide,

PF 58823

95

- N-(3',5-difluoro-4'-methyl-biphenyl-2-yl)-3-trifluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(cis-2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide, N-(trans-2-bicyclopropyl-2-yl-phenyl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid amide;
- 5 carbonic acid morpholides: dimethomorph, flumorph;
benzoic acid amides: flumetover, fluopicolide, fluopyram, zoxamide;
- 10 C) azoles, such as triazoles: azaconazole, bitertanol, bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazole, flutriafol, hexaconazol, imibenconazole, ipconazole, metconazol, myclobutanil, oxpoconazol, paclobutrazol, penconazole, propiconazole, prothioconazole, simeconazole, tebuconazole, tetraconazole, triadimefon, triadimenol, triticonazole;
- 15 imidazoles: cyazofamid, imazalil, pefurazoate, prochloraz, triflumizole;
benzimidazoles: benomyl, carbendazim, fuberidazole, thiabendazole;
others: ethaboxam, etridiazole, hymexazole, 1-(4-chloro-phenyl)-1-(propin-2-yloxy)-3-(4-(3,4-dimethoxy-phenyl)-isoxazol-5-yl)-propan-2-one;
- 20 D) nitrogen containing heterocycles, such as pyridines: fluazinam, pyrifenox, 3-[5-(4-chloro-phenyl)-2,3-dimethyl-isoxazolidin-3-yl]-pyridine;
pyrimidines: bupirimate, cyprodinil, diflumetorim, fenarimol, ferimzone, mepanipyrim, nitrapyrin, nuarimol, pyrimethanil;
pyrroles: fencpiclonil, fludioxonil;
morpholines: aldimorph, dodemorph, fenpropimorph, tridemorph;
- 25 dicarboximides: fluoroimid, iprodione, procymidone, vinclozolin;
non-aromatic five-membered rings: famoxadone, fenamidone, octhilinone, probenazole;
others: acibenzolar-S-methyl, amisulbrom, anilazin, blasticidin-S, captafol, captan, chinomethionat, dazomet, debacarb, diclomezine, fenoxanil, fenpropidin, folpet, piperalin, proquinazid, pyroquilon, quinoxifen, triazoxid, tricyclazole, tricyclazole, triforine, 5-chloro-7-(4-methyl-piperidin-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, 2-butoxy-6-iodo-3-propyl-chromen-4-one
- 30 E) carbamates and dithiocarbamates, such as: dithiocarbamates: ferbam, mancozeb, maneb, metam, metiram, propineb, thiram, zineb, ziram;
carbamates: diethofencarb, flubenthiavalicarb, iprovalicarb, propamocarb, valiphenal, N-(1-(1-(4-cyanophenyl)ethanesulfonyl)-but-2-yl) carbamic acid-(4-fluorophenyl) ester;
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PF 58823

96

- F) guanidines, such as: dodine, guazatine, iminoctadine;
G) antibiotics: kasugamycin, polyoxine, streptomycin, validamycin A;
H) organometal compounds: fentin salts (e.g. fentin acetate, fentin chloride, fentin hydroxide);
5 I) sulphur containing heterocycles, such as: dithianon, isoprothiolane;
J) organophosphorous compounds, such as: edifenphos, fosetyl, fosetyl-aluminium, iprobenfos, pyrazophos, tolclofos-methyl;
K) organochloro compounds, such as: chlorothalonil, dichlofluanid, dichlorophen, flusulfamide, hexachlorbenzene, pencycuron, phthalide, quintozone,
10 thiophanate-methyl, tolylfluanid;
L) inorganic compounds, such as: sulphur, phosphorous acid (H_3PO_3) and its salts, copper salts, e. g. bordeaux mixture, copper acetate, copper hydroxide, copper oxychloride, basic copper sulphate;
M) nitrophenyl derivatives, such as: binapacryl, dicloran, dinobuton, dinocap,
15 tecnazen;
N) growth retardants: prohexadione and its salts, trinexapac-ethyl, chlormequat, mepiquat-chloride and diflufenzopyr;
O) others: bronopol, cyflufenamid, cymoxanil, diphenylamin, metrafenone, mildiomyacin, spiroxamine, tolylfluanid, N-(cyclopropylmethoxyimino-(6-difluoro-
20 methoxy-2,3-difluoro-phenyl)-methyl)-2-phenyl acetamide.
7. A method as defined in claim 6, which comprises applying in any desired sequence, simultaneously, that is, jointly or separately, or in succession, synergistically effective amounts of the combination of a compound of formula I
25 and one or two further fungicides.
8. A method as defined in any one of claims 1 to 7, applied on crops which tolerate the action of herbicides or fungicides or insecticides owing to breeding, including genetic engineering methods.
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9. A method of protection of seeds comprising contacting the seeds before sowing and/or after pregermination with a compound of formula I as defined in any one of claims 1 to 3 in effective amounts.
- 35 10. A method as claimed in claim 9 wherein the compound or the compound combination is applied in an amount of from 0.1 g to 5 kg per 100 kg of seeds.
11. The use of compounds of formula I as defined in any one of claims 1 to 3 for

PF 58823

97

improving the health of plants.

12. Ternary mixtures, comprising a compound of formula I according to claim 1, a fungicide II selected from ethaboxan, kresoxim-methyl, oryastrobin, dimethomorph, 5-chloro-7-(4-methyl-piperidin-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, mancozeb, metiram, dithianon, and copper fungicides, and a further fungicide selected from pyraclostrobin, boscalid, and phosphorous acid and its salts.
13. Ternary mixtures according to claim 12 wherein the fungicide II is selected from dimethomorph, metiram, and dithianon.
14. Ternary mixtures according to claim 12 or 13, wherein the compound of formula I is selected from 6-(3,4-dichloro-phenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-(4-tert-butylphenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-methyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-ethyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-ethyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-octyl-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 5-methoxymethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, 6-octyl-5-trifluoromethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine and 5-trifluoromethyl-6-(3,5,5-trimethyl-hexyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine.
15. Ternary mixtures according to claim 14 suitable for improving the health of plants.
16. Ternary mixtures according to any one of claims 12 to 15, wherein the compound of formula I, the fungicide II, and the further fungicide is present in a ratio range from 1:50:500 to 50:1:1.
17. Quaternary mixtures comprising a compound of formula I according to claim 1, and three active compounds selected from the group set forth in claim 6.
18. Quaternary mixtures according to claim 17, wherein the three active compounds are selected from the group as set forth in claim 12 or 13.
19. Quaternary mixtures according to claim 17 or 18, wherein the compound of

PF 58823

98

formula I is selected from the group as set forth in claim 14.

20. A composition containing a ternary or a quaternary mixture according to any one of claims 12 to 19, and solvents and/or carriers.