(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(10) International Publication Number WO 2013/127863 A1

(43) International Publication Date 6 September 2013 (06.09.2013)

(51) International Patent Classification: **A01N 61/00** (2006.01) A01P 13/00 (2006.01) A01P 3/00 (2006.01) A01P 21/00 (2006.01)

(21) International Application Number:

PCT/EP2013/053944 (74)

(22) International Filing Date:

27 February 2013 (27.02.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/605,215 1 March 2012 (01.03.2012) US

- (71) Applicants: BASF SE [DE/DE]; 67056 Ludwigshafen (DE). FEDERAL UNIVERSITY OF RIO GRANDE DO SUL [BR/BR]; Avenida Paulo Gama, 110, 6° Andar, Porto Alegre, RS (BR). FEDERAL UNIVERSITY OF SANTA MARIA [BR/BR]; Avenida Roraima, nº 1000, Cidade Universitária, Bairro Camobi, Santa Maria, RS (BR). FED-ERAL **TECHNOLOGICAL** UNIVERSITY PARANÁ [BR/BR]; Avenida Sete de Setembro, nº 3165, Curitiba, PR (BR). FEDERAL UNIVERSITY FOUND-ATION OF MATO GROSSO [BR/BR]; Avenida Fernando Correa da Costa, nº 2367, Bairro Boa Esperanca, Cuiabá - Mato Grosso (BR).
- (72) Inventors: GEWEHR, Markus; Goethestr. 21, 56288 Kastellaun (DE). ZAGAR, Cyrill; 4520 Wingate Drive, Raleigh, North Carolina 27609 (US). PEOPLES, Scott; 5732 Dutch Creek Drive, Raleigh, North Carolina NC 27606 (US). MEROTTO JR., Aldo; Av. Pirapó, 175. apto 502, Bairro Petrópolis, CEP 90470-450 Porto Alegre, RS (BR). VIDAL, Ribas; Rua Faria Santos, 466 - Apto 702, CEP 90670-150 Porto Alegre, RS (BR). CARNEIRO GUIMARAES, Sebastiao; Rua Sorocaba, 30, Jardim Primavera, CEP 78030-192 Cuiabá, MT (BR). MUZELL

TREZZI, Michelangelo; Rua Joao Alves de Medeiros, 438, 85504-360 Pato Branco, PR (BR). **PINTO** LAMEGO, Fabiane; Tenente Lira 986 apt 203, Frederico Westphalen, 98400-000 Rio Grande do Sul, RS (BR).

- Agent: REITSTÖTTER, KINZEBACH & PARTNER; Ludwigsplatz 4, 67059 Ludwigshafen (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))



(57) Abstract: The present invention relates to the use of an agrochemical composition comprising at least one specific herbicide and at least one specific fungicide for controlling undesired vegetation in corn (maize) cultures. The invention further relates to a method for controlling undesired vegetation in corn cultures.

1

Use of an agrochemical composition with herbicidal action in corn

Description

20

35

The present invention relates to the use of an agrochemical composition com least one specific herbicide and at least one specific fungicide for controlling uvegetation in corn (maize) cultures. The invention further relates to a method trolling undesired vegetation in corn cultures.

In the case of crop protection, such as herbicidal compositions, it is desirable principle to increase the specific activity of an active compound and the reliab effect. For an herbicidal composition, it is particularly desirable to control harn effectively, but at the same time to be compatible with the useful plants in que Also desirable is a broad spectrum of activity allowing the simultaneous control harmful plants. Frequently, this cannot be achieved using a single active compatible with the useful plants.

With many highly effective herbicides, there is the problem that their compatit useful plants, in particular dicotyledonous crop plants, such as cotton, oilseed graminaceous plants, such as barley, millet, corn, rice, wheat and sugar cane always satisfactory, i.e. in addition to the harmful plants, the crop plants, too, damaged on a scale which cannot be tolerated. By reducing the application rauseful plants are spared; however, naturally, the extent of the control of harmful decreases, too.

- It is known that special combinations of different specifically active herbicides enhanced activity of a herbicide component in the sense of a synergistic effect manner, it is possible to reduce the application rates of herbicidal active comprequired for controlling the harmful plants.
- Furthermore, it is known that in some cases joint application of specifically achieved with other organic active compounds allows better crop plant compounds achieved. In these cases, the active compounds act as antidotes or antagorare also referred to as safeners, since they reduce or even prevent damage to plants.

Corn is among the most important crop plants. Improving its growth conditions an ongoing need.

It is an object of the present invention to provide agrochemical compositions v 40 highly active against unwanted harmful plants in corn cultures. This and further objects are achieved by the agricultural composition describe Surprisingly, this composition has better herbicidal activity, i.e. a better activity harmful plants, than would have been expected based on the herbicidal activi observed for the individual compounds, or a broader activity spectrum.

5

Moreover, the time frame, within which the desired herbicidal action can be ac may be expanded by said composition. This allows a more flexibly timed appl the compositions according to the present invention in comparison with the sicompounds.

10

Said composition also has a better compatibility with useful plants.

Accordingly, the present invention relates to the use of an agrochemical comp comprising

15

- A) at least one herbicide A selected from
 - A.a) acetylCoA carboxylase inhibitors (ACC inhibitors) selected from cl (A.1), cycloxydim (A.2), fenoxaprop (A.3), fenoxaprop-P (A.4), flua (A.5), fluazifop-P (A.6), haloxyfop (A.7), haloxyfop-P (A.8), guizalc quizalofop-P (A.10), sethoxydim (A.11) and tepraloxydim (A.12);

20

A.b) acetolactate synthase inhibitors (ALS inhibitors) selected from flor (A.13), flumetsulam (A.14), foramsulfuron (A.15), halosulfuron (A. iodosulfuron (A.17), nicosulfuron (A.18), primisulfuron (A.19), pros (A.20), rimsulfuron (A.21), thiencarbazone (A.22) and tritosulfuron

25

A.c) 4-hydroxyphenylpyruvate-dioxygenase (HPPD inhibitors) selected cyclopyrone (A.24), isoxaflutole (A.25), mesotrione (A.26), sulcotri (A.27), tembotrione (A.28) and topramezone (A.29);

A.d) protoporphyrinogen oxidase (PPO) inhibitors selected from carfen ethyl (A.30), flumioxazin (A.31), saflufenacil (A.32) and 1,5-dimeth thioxo-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benz oxazin-6-yl)-1,3,5-triazinane-2,4-dione (CAS 1258836-72-4) (A.33

30

A.e) photosynthetic electron transport inhibitors at the photosystem II r site selected from bentazone (A.34) and bromoxynil (A.35); and

the auxin transport inhibitor diflufenzopyr (A.36); A.f)

35

and their agriculturally acceptable salts, esters and amides;

and

40

B) at least one fungicide B selected from

10

15

25

30

35

- B.a) inhibitors of complex III at Q_o site selected from azoxystrobin (B.1) methoxystrobin (B.2), coumoxystrobin (B.3), dimoxystrobin (B.4), burin (B.5), fenaminstrobin (B.6), fenoxystrobin/flufenoxystrobin (E fluoxastrobin (B.8), kresoxim-methyl (B.9), metominostrobin (B.10 picoxystrobin (B.11), pyraclostrobin (B.12), pyrametostrobin (B.13 xystrobin (B.14), trifloxystrobin (B.15), 2-[2-(2,5-dimethylphenyloxymethyl)phenyl]-3-methoxy-acrylic acid methyl ester (B.16), 2-(2 dichlorophenyl)-1-methyl-allylideneaminooxymethyl)-phenyl)-2-methoxy-acrylic acid methyl ester (B.18) and triclopyricarb/chlorodincarb (B.19); and
- B.b) inhibitors of complex II selected from bixafen (B.20), boscalid (B.2 boxin (B.22), fluopyram (B.23), fluxapyroxad (B.24), isopyrazam (I penflufen (B.26), penthiopyrad (B.27), sedaxane (B.28) and 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid (9-dichloromethylene-1,2,3,4-tetrahydro-1,4-methano-naphthalen-5-y (B.29);

for controlling undesired vegetation in corn cultures.

In the context of the present invention, the term "corn" denotes both the plant well as its harvested product, such as corn grains or seeds.

The invention moreover relates to a composition as defined above or below, c ing at least one herbicide A and at least one fungicide B.

The composition according to the invention or to be used according to the invented by a physical mixture of the at least one compound A and the at least on pound B. Accordingly, the invention also provides a mixture comprising at least compound A and at least one compound B. However, the composition may all combination of at least one compound A with at least one compound B, it not required for compounds A and B to be present together in the same formulation

An example of a composition according to the invention or to be used according invention in which the at least one compound A and the at least one compour not present together in the same formulation is a combipack. In a combipack, more components of a combipack are packaged separately, i.e., not jointly proformulated. As such, combipacks include one or more separate containers survials, cans, bottles, pouches, bags or canisters, each container containing a secomponent for an agrochemical composition. One example is a two-compone

4

pack. Accordingly the present invention also relates to a two-component coml comprising a first component which in turn comprises at least one compound or solid carrier and, if appropriate, at least one surfactant and/or at least one cauxiliary, and a second component which in turn comprises at least one compliquid or solid carrier and, if appropriate, at least one surfactant and/or at least tomary auxiliary. More details, e.g. as to suitable liquid and solid carriers, surfand customary auxiliaries are described below.

The invention furthermore relates to a method for controlling undesired vegetal corn cultures, which method comprises allowing an effective amount of an agrochemical composition as defined above or below to act on the corn plants thereof and/or on the environment where the corn cultures grow or are to grow corn plants might be resistant to one or more herbicides or to attack by insect genetic engineering or breeding

15

20

25

10

5

The method of the invention includes treatment of the seeds from which the c are to grow. If the corn plants are not resistant against the herbicide(s) used a herbicide(s) is/are not selective enough and/or no safener is used, it is conver avoid their direct contact with the herbicide(s) used as far as possible in order injury of the corn plants. This can be done, for example, by treating as selective possible the undesired vegetation or the locus where this is growing or expectagrow or by treating the locus where the corn plant is to grow, e.g. before or duing or before its emergence or before planting, or by treating the seeds of the plant with the composition of the invention or, if the composition is not a physiture of herbicide and fungicide, with the herbicide of the composition. In all oth i.e. if the corn plants are resistant against the herbicide(s) used and/or the her sufficiently selective and does not harm (or not to an economically dissatisfactent) the corn plants and/or a safener is used, any known method for broadcaricultural compositions can be used. For further details, see below.

30

The herbicides A and the fungicides B as well as their agrochemical action ar ods for producing them are generally known. For instance, the commercially ϵ compounds can be found in "The Pesticide Manual, 15th Edition, British Croption Council (2009)" among other publications.

35

The preferred embodiments of the invention mentioned herein below have to stood as being preferred either independently from each other or in combinati one another. Preferably, the at least one herbicide A is selected from clethodim, cycloxydin ydim, tepraloxydim, foramsulfuron, nicosulfuron, rimsulfuron, bicyclopyrone, isoxaflutole, mesotrione, tembotrione, topramezone, flumioxazin, saflufenacil, dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-2,4-dione (CAS 1258836-72-4), ber diflufenzopyr; and their agriculturally acceptable salts, esters and amides.

Among the agriculturally acceptable salts, esters and amides of the above he preference is given to the following compounds:

10

15

30

35

5

bentazone: bentazone-sodium (A.37).

The at least one herbicide A is more preferably selected from clethodim, cyclc sethoxydim, tepraloxydim, foramsulfuron, nicosulfuron, rimsulfuron, bicyclopy isoxaflutole, mesotrione, tembotrione, topramezone, flumioxazin, saflufenacil, dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-2,4-dione (CAS 1258836-72-4), ber bentazone-sodium and diflufenzopyr.

Even more preferably, the at least one herbicide A is selected from clethodim cloxydim, sethoxydim, tepraloxydim, nicosulfuron, bicyclopyrone, mesotrione, one, topramezone, flumioxazin, saflufenacil, 1,5-dimethyl-6-thioxo-3-(2,2,7-tril oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-(CAS 1258836-72-4), bentazone; and their agriculturally acceptable salts, est amides.

Particularly preferably, the at least one herbicide A is selected from clethodim cloxydim, sethoxydim, tepraloxydim, nicosulfuron, bicyclopyrone, mesotrione, one, topramezone, flumioxazin, saflufenacil, 1,5-dimethyl-6-thioxo-3-(2,2,7-tril oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-(CAS 1258836-72-4), bentazone and bentazone-sodium.

In a particular embodiment, the at least one herbicide A is clethodim and the a one fungicide B has one of the above general or, in particular, one of the belo ferred meanings.

In another particular embodiment, the at least one herbicide A is cycloxydim ε least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

6

In another particular embodiment, the at least one herbicide A is sethoxydim a least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

In another particular embodiment, the at least one herbicide A is tepraloxydim at least one fungicide B has one of the above general or, in particular, one of preferred meanings.

In another particular embodiment, the at least one herbicide A is nicosulfuron at least one fungicide B has one of the above general or, in particular, one of preferred meanings.

In another particular embodiment, the at least one herbicide A is bicyclopyron at least one fungicide B has one of the above general or, in particular, one of preferred meanings.

In another particular embodiment, the at least one herbicide A is mesotrione a least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

In another particular embodiment, the at least one herbicide A is tembotrione least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

In another particular embodiment, the at least one herbicide A is topramezone at least one fungicide B has one of the above general or, in particular, one of preferred meanings.

In another particular embodiment, the at least one herbicide A is flumioxazin a least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

In another particular embodiment, the at least one herbicide A is saflufenacil a least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

In another particular embodiment, the at least one herbicide A is 1,5-dimethyl-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-ytrigzinana 2,4 diaga (CAS 1358836,73,4) and the at least one fungicide R have

triazinane-2,4-dione (CAS 1258836-72-4) and the at least one fungicide B has the above general or, in particular, one of the below preferred meanings.

In another particular embodiment, the at least one herbicide A is bentazone a least one fungicide B has one of the above general or, in particular, one of the preferred meanings.

35

30

15

20

Preferably, the at least one fungicide is selected from azoxystrobin, dimoxystr kresoxim-methyl, picoxystrobin, pyraclostrobin, trifloxystrobin, bixafen, boscal boxin, fluxapyroxad, isopyrazam, penflufen, penthiopyrad, sedaxane and 3-

20

35

WO 2013/127863 PCT/EP2013/053944

7

difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid (9-dichloromethylene-1 tetrahydro-1,4-methano-naphthalen-5-yl)-amide.

More preferably, the at least one fungicide is selected from azoxystrobin, dimoxystrobin, kresoxim-methyl, pyraclostrobin, trifloxystrobin, bixafen, bosca fluxapyroxad, isopyrazam and 3-difluoromethyl-1-methyl-1H-pyrazole-4-carbc (9-dichloromethylene-1,2,3,4-tetrahydro-1,4-methano-naphthalen-5-yl)-amide

In a particular embodiment, the at least one fungicide B is azoxystrobin and the one herbicide A has one of the above general or, in particular, one of the preference meanings.

In another particular embodiment, the at least one fungicide B is dimoxystrobi at least one herbicide A has one of the above general or, in particular, one of ferred meanings.

In another particular embodiment, the at least one fungicide B is kresoxim-me the at least one herbicide A has one of the above general or, in particular, one preferred meanings.

In another particular embodiment, the at least one fungicide B is pyraclostrobi at least one herbicide A has one of the above general or, in particular, one of ferred meanings.

In another particular embodiment, the at least one fungicide B is trifloxystrobir at least one herbicide A has one of the above general or, in particular, one of ferred meanings.

In another particular embodiment, the at least one fungicide B is bixafen and the least one herbicide A has one of the above general or, in particular, one of the ferred meanings.

In another particular embodiment, the at least one fungicide B is boscalid and least one herbicide A has one of the above general or, in particular, one of the ferred meanings.

In another particular embodiment, the at least one fungicide B is fluxapyroxad at least one herbicide A has one of the above general or, in particular, one of ferred meanings.

In another particular embodiment, the at least one fungicide B is isopyrazam a least one herbicide A has one of the above general or, in particular, one of the ferred meanings.

In another particular embodiment, the at least one fungicide B is 3-difluorome methyl-1H-pyrazole-4-carboxylic acid (9-dichloromethylene-1,2,3,4-tetrahydrc methano-naphthalen-5-yl)-amide and the at least one herbicide A has one of general or, in particular, one of the preferred meanings.

In particular, the composition to be used in the uses and the methods according invention comprises

A) at least one herbicide A selected from clethodim, cycloxydim, sethoxydi loxydim, nicosulfuron, bicyclopyrone, mesotrione, tembotrione, toprame flumioxazin, saflufenacil, 1,5-dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-oxo-4 ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-2,4-dion 1258836-72-4), bentazone, bentazone-sodium; and other agriculturally ble salts, esters and amides; and

5

35

- 10 B) at least one fungicide B selected from azoxystrobin, dimoxystrobin, kres methyl, pyraclostrobin, trifloxystrobin, bixafen, boscalid, fluxapyroxad, is and 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid (9-dichlorc methylene-1,2,3,4-tetrahydro-1,4-methano-naphthalen-5-yl)-amide.
- According to a preferred embodiment of the invention, the composition compr component A at least one, preferably exactly one, herbicide A.

 According to another preferred embodiment of the invention, the composition es as component A at least two, preferably exactly two, herbicides A different each other.
- According to another preferred embodiment of the invention, the composition es as component A at least three, preferably exactly three, herbicides A differ each other.
- According to another preferred embodiment of the invention, the composition es as component B at least one, preferably exactly one, fungicide B. According to another preferred embodiment of the invention, the composition es as component B at least two, preferably exactly two, fungicides B different each other.
- According to another preferred embodiment of the invention, the composition es as component A at least one, preferably exactly one, herbicide A, and at le preferably exactly one, fungicide B.
 - According to another preferred embodiment of the invention, the composition es as component A at least two, preferably exactly two, herbicides A different each other, and at least one, preferably exactly one, fungicide B.
 - According to another preferred embodiment of the invention, the composition es as component A at least three, preferably exactly three, herbicides A differ each other, and at least one, preferably exactly one, fungicide B.

According to another preferred embodiment of the invention, the composition es as only active components at least one, preferably exactly one, herbicide *I* least one, preferably exactly one, fungicide B.

Particularly preferred are the compositions 1.1 to 1.1073, comprising at least icide A and at least one fungicide B, preferably comprising the herbicide A angicide B, as defined in the respective row of table 1. The compound numbers herbicide A; B.x for fungicide B) correspond to the compound numbers given the list of herbicides A and fungicides B to be used according to the present in

10

Table 1 (compositions 1.1. to 1.1073)

No	herb.	fung.
	Α	В
1.1	A.1	B.1
1.2	A.1	B.2
1.3	A.1	B.3
1.4	A.1	B.4
1.5	A.1	B.5
1.6	A.1	B.6
1.7	A.1	B.7
1.8	A.1	B.8
1.9	A.1	B.9
1.10	A.1	B.10
1.11	A.1	B.11
1.12	A.1	B.12
1.13	A.1	B.13
1.14	A.1	B.14
1.15	A.1	B.15
1.16	A.1	B.16
1.17	A.1	B.17
1.18	A.1	B.18
1.19	A.1	B.19
1.20	A.1	B.20
1.21	A.1	B.21
1.22	A.1	B.22
1.23	A.1	B.23
1.24	A.1	B.24
1.25	A.1	B.25
1.26	A.1	B.26

No	herb.	fung.
	Α	В
1.27	A.1	B.27
1.28	A.1	B.28
1.29	A.1	B.29
1.30	A.2	B.1
1.31	A.2	B.2
1.32	A.2	B.3
1.33	A.2	B.4
1.34	A.2	B.5
1.35	A.2	B.6
1.36	A.2	B.7
1.37	A.2	B.8
1.38	A.2	B.9
1.39	A.2	B.10
1.40	A.2	B.11
1.41	A.2	B.12
1.42	A.2	B.13
1.43	A.2	B.14
1.44	A.2	B.15
1.45	A.2	B.16
1.46	A.2	B.17
1.47	A.2	B.18
1.48	A.2	B.19
1.49	A.2	B.20
1.50	A.2	B.21
1.51	A.2	B.22
1.52	A.2	B.23

No	herb.
	Α
1.53	A.2
1.54	A.2
1.55	A.2
1.56	A.2
1.57	A.2
1.58	A.2
1.59	A.3
1.60	A.3
1.61	A.3
1.62	A.3
1.63	A.3
1.64	A.3
1.65	A.3
1.66	A.3
1.67	A.3
1.68	A.3
1.69	A.3
1.70	A.3
1.71	A.3
1.72	A.3
1.73	A.3
1.74	A.3
1.75	A.3
1.76	A.3
1.77	A.3
1.78	A.3

No	harb	funa
INO	herb.	fung.
1.79	A A.3	B B.21
1.80	A.3	B.22
1.81	A.3	B.23
1.82	A.3	B.24
1.83	A.3	B.25
1.84	A.3	B.26
1.85	A.3	B.27
1.86	A.3	B.28
1.87	A.3	B.29
1.88	A.4	B.1
1.89	A.4	B.2
1.90	A.4	B.3
1.91	A.4	B.4
1.92	A.4	B.5
1.93	A.4	B.6
1.94	A.4	B.7
1.95	A.4	B.8
1.96	A.4	B.9
1.97	A.4	B.10
1.98	A.4	B.11
1.99	A.4	B.12
1.100	A.4	B.13
1.101	A.4	B.14
1.102	A.4	B.15
1.103	A.4	B.16
1.104	A.4	B.17
1.105	A.4	B.18
1.106	A.4	B.19
1.107	A.4	B.20
1.108	A.4	B.21
1.109	A.4	B.22
1.110	A.4	B.23
1.111	A.4	B.24
1.112	A.4	B.25
1.113	A.4	B.26
1.114	A.4	B.27
1.115	A.4	B.28
1.116	A.4	B.29
	1 •	

No herb. fung. A B 1.117 A.5 B.1 1.118 A.5 B.2 1.119 A.5 B.3 1.120 A.5 B.4 1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.16 1.134 A.5 B.18 1.135 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.26 1.141 A.5 B.26		10	
1.117 A.5 B.1 1.118 A.5 B.2 1.119 A.5 B.3 1.120 A.5 B.4 1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.26 1.143 A.5 B.28	No	herb.	fung.
1.118 A.5 B.2 1.119 A.5 B.3 1.120 A.5 B.4 1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.16 1.134 A.5 B.18 1.135 A.5 B.19 1.134 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.28 1.142 A.5 B.28 1.143 A.5 B.29 <td></td> <td>Α</td> <td>В</td>		Α	В
1.119 A.5 B.3 1.120 A.5 B.4 1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.29 1.144 A.5 B.2 <td>1.117</td> <td>A.5</td> <td>B.1</td>	1.117	A.5	B.1
1.120 A.5 B.4 1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.16 1.134 A.5 B.18 1.135 A.5 B.18 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.23 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.29 1.144 A.5 B.28 1.145 A.6 B.3 <td>1.118</td> <td>A.5</td> <td>B.2</td>	1.118	A.5	B.2
1.121 A.5 B.5 1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.23 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.29 1.144 A.5 B.28 1.145 A.6 B.3 1.149 A.6 B.4 <td>1.119</td> <td>A.5</td> <td>B.3</td>	1.119	A.5	B.3
1.122 A.5 B.6 1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.6 B.3 1.149 A.6 B.4 </td <td>1.120</td> <td>A.5</td> <td>B.4</td>	1.120	A.5	B.4
1.123 A.5 B.7 1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.23 1.141 A.5 B.24 1.142 A.5 B.25 1.143 A.5 B.26 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.4 1.150 A.6 B.5 </td <td>1.121</td> <td>A.5</td> <td>B.5</td>	1.121	A.5	B.5
1.124 A.5 B.8 1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.2 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.5 </td <td>1.122</td> <td>A.5</td> <td>B.6</td>	1.122	A.5	B.6
1.125 A.5 B.9 1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.23 1.141 A.5 B.24 1.142 A.5 B.25 1.143 A.5 B.26 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8 </td <td>1.123</td> <td>A.5</td> <td>B.7</td>	1.123	A.5	B.7
1.126 A.5 B.10 1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8 </td <td>1.124</td> <td>A.5</td> <td>B.8</td>	1.124	A.5	B.8
1.127 A.5 B.11 1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.22 1.140 A.5 B.23 1.141 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8 </td <td>1.125</td> <td>A.5</td> <td>B.9</td>	1.125	A.5	B.9
1.128 A.5 B.12 1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.6 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8 <td>1.126</td> <td>A.5</td> <td>B.10</td>	1.126	A.5	B.10
1.129 A.5 B.13 1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.127	A.5	B.11
1.130 A.5 B.14 1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.26 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.128	A.5	B.12
1.131 A.5 B.15 1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.129	A.5	B.13
1.132 A.5 B.16 1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.130	A.5	B.14
1.133 A.5 B.17 1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.131	A.5	B.15
1.134 A.5 B.18 1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.132	A.5	B.16
1.135 A.5 B.19 1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.133	A.5	B.17
1.136 A.5 B.20 1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.134	A.5	B.18
1.137 A.5 B.21 1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.153 A.6 B.8	1.135	A.5	B.19
1.138 A.5 B.22 1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.136	A.5	B.20
1.139 A.5 B.23 1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.137	A.5	B.21
1.140 A.5 B.24 1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.138	A.5	B.22
1.141 A.5 B.25 1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.139	A.5	B.23
1.142 A.5 B.26 1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.140	A.5	B.24
1.143 A.5 B.27 1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.141	A.5	B.25
1.144 A.5 B.28 1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.142	A.5	B.26
1.145 A.5 B.29 1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.143	A.5	B.27
1.146 A.6 B.1 1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.144	A.5	B.28
1.147 A.6 B.2 1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.145	A.5	B.29
1.148 A.6 B.3 1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.146	A.6	B.1
1.149 A.6 B.4 1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.147	A.6	B.2
1.150 A.6 B.5 1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.148	A.6	B.3
1.151 A.6 B.6 1.152 A.6 B.7 1.153 A.6 B.8	1.149	A.6	B.4
1.152 A.6 B.7 1.153 A.6 B.8	1.150	A.6	B.5
1.153 A.6 B.8	1.151	A.6	B.6
	1.152	A.6	B.7
1.154 A.6 B.9	1.153	A.6	B.8
	1.154	A.6	B.9

No	herb.
	A
1.155	A.6
1.156	A.6
1.157	A.6
1.158	A.6
1.159	A.6
1.160	A.6
1.161	A.6
1.162	A.6
1.163	A.6
1.164	A.6
1.165	A.6
1.166	A.6
1.167	A.6
1.168	A.6
1.169	A.6
1.170	A.6
1.171	A.6
1.172	A.6
1.173	A.6
1.174	A.6
1.175	A.7
1.176	A.7
1.177	A.7
1.178	A.7
1.179	A.7
1.180	A.7
1.181	A.7
1.182	A.7
1.183	A.7
1.184	A.7
1.185	A.7
1.186	A.7
1.187	A.7
1.188	A.7
1.189	A.7
1.190	A.7
1.191	A.7
1.192	A.7
02	,

No	herb.	fung.
	Α	В
1.193	A.7	B.19
1.194	A.7	B.20
1.195	A.7	B.21
1.196	A.7	B.22
1.197	A.7	B.23
1.198	A.7	B.24
1.199	A.7	B.25
1.200	A.7	B.26
1.201	A.7	B.27
1.202	A.7	B.28
1.203	A.7	B.29
1.204	A.8	B.1
1.205	A.8	B.2
1.206	A.8	B.3
1.207	A.8	B.4
1.208	A.8	B.5
1.209	A.8	B.6
1.210	A.8	B.7
1.211	A.8	B.8
1.212	A.8	B.9
1.213	A.8	B.10
1.214	A.8	B.11
1.215	A.8	B.12
1.216	A.8	B.13
1.217	A.8	B.14
1.218	A.8	B.15
1.219	A.8	B.16
1.220	A.8	B.17
1.221	A.8	B.18
1.222	A.8	B.19
1.223	A.8	B.20
1.224	A.8	B.21
1.225	A.8	B.22
1.226	A.8	B.23
1.227	A.8	B.24
1.228	A.8	B.25
1.229	A.8	B.26
1.230	A.8	B.27
	<u> </u>	I

	11	
No	herb.	fung.
	Α	В
1.231	A.8	B.28
1.232	A.8	B.29
1.233	A.9	B.1
1.234	A.9	B.2
1.235	A.9	B.3
1.236	A.9	B.4
1.237	A.9	B.5
1.238	A.9	B.6
1.239	A.9	B.7
1.240	A.9	B.8
1.241	A.9	B.9
1.242	A.9	B.10
1.243	A.9	B.11
1.244	A.9	B.12
1.245	A.9	B.13
1.246	A.9	B.14
1.247	A.9	B.15
1.248	A.9	B.16
1.249	A.9	B.17
1.250	A.9	B.18
1.251	A.9	B.19
1.252	A.9	B.20
1.253	A.9	B.21
1.254	A.9	B.22
1.255	A.9	B.23
1.256	A.9	B.24
1.257	A.9	B.25
1.258	A.9	B.26
1.259	A.9	B.27
1.260	A.9	B.28
1.261	A.9	B.29
1.262	A.10	B.1
1.263	A.10	B.2
1.264	A.10	B.3
1.265	A.10	B.4
1.266	A.10	B.5
1.267	A.10	B.6
1.268	A.10	B.7

No	herb.
	Α
1.269	A.10
1.270	A.10
1.271	A.10
1.272	A.10
1.273	A.10
1.274	A.10
1.275	A.10
1.276	A.10
1.277	A.10
1.278	A.10
1.279	A.10
1.280	A.10
1.281	A.10
1.282	A.10
1.283	A.10
1.284	A.10
1.285	A.10
1.286	A.10
1.287	A.10
1.288	A.10
1.289	A.10
1.290	A.10
1.291	A.11
1.292	A.11
1.293	A.11
1.294	A.11
1.295	A.11
1.296	A.11
1.297	A.11
1.298	A.11
1.299	A.11
1.300	A.11
1.301	A.11
1.302	A.11
1.303	A.11
1.304	A.11
1.305	A.11
1.306	A.11

		_
No	herb.	fung.
	Α	В
1.307	A.11	B.17
1.308	A.11	B.18
1.309	A.11	B.19
1.310	A.11	B.20
1.311	A.11	B.21
1.312	A.11	B.22
1.313	A.11	B.23
1.314	A.11	B.24
1.315	A.11	B.25
1.316	A.11	B.26
1.317	A.11	B.27
1.318	A.11	B.28
1.319	A.11	B.29
1.320	A.12	B.1
1.321	A.12	B.2
1.322	A.12	B.3
1.323	A.12	B.4
1.324	A.12	B.5
1.325	A.12	B.6
1.326	A.12	B.7
1.327	A.12	B.8
1.328	A.12	B.9
1.329	A.12	B.10
1.330	A.12	B.11
1.331	A.12	B.12
1.332	A.12	B.13
1.333	A.12	B.14
1.334	A.12	B.15
1.335	A.12	B.16
1.336	A.12	B.17
1.337	A.12	B.18
1.338	A.12	B.19
1.339	A.12	B.20
1.340	A.12	B.21
1.341	A.12	B.22
1.342	A.12	B.23
1.343	A.12	B.24
1.344	A.12	B.25
1.044	7.12	۵.۷

	12	
No	herb.	fung.
	Α	В
1.345	A.12	B.26
1.346	A.12	B.27
1.347	A.12	B.28
1.348	A.12	B.29
1.349	A.13	B.1
1.350	A.13	B.2
1.351	A.13	B.3
1.352	A.13	B.4
1.353	A.13	B.5
1.354	A.13	B.6
1.355	A.13	B.7
1.356	A.13	B.8
1.357	A.13	B.9
1.358	A.13	B.10
1.359	A.13	B.11
1.360	A.13	B.12
1.361	A.13	B.13
1.362	A.13	B.14
1.363	A.13	B.15
1.364	A.13	B.16
1.365	A.13	B.17
1.366	A.13	B.18
1.367	A.13	B.19
1.368	A.13	B.20
1.369	A.13	B.21
1.370	A.13	B.22
1.371	A.13	B.23
1.372	A.13	B.24
1.373	A.13	B.25
1.374	A.13	B.26
1.375	A.13	B.27
1.376	A.13	B.28
1.377	A.13	B.29
1.378	A.14	B.1
1.379	A.14	B.2
1.380	A.14	B.3
1.381	A.14	B.4
1.382	A.14	B.5

No	herb.
1.383	A.14
1.384	A.14
1.385	A.14
1.386	A.14
1.387	A.14
1.388	A.14
1.389	A.14
1.390	A.14
1.391	A.14
1.392	A.14
1.393	A.14
1.394	A.14
1.395	A.14
1.396	A.14
1.397	A.14
1.398	A.14
1.399	A.14
1.400	A.14
1.401	A.14
1.402	A.14
1.403	A.14
1.404	A.14
1.405	A.14
1.406	A.14
1.407	A.15
1.408	A.15
1.409	A.15
1.410	A.15
1.411	A.15
1.412	A.15
1.413	A.15
1.414	A.15
1.415	A.15
1.416	A.15
1.417	A.15
1.418	A.15
1.419	A.15
1.420	A.15

		I
No	herb.	fung.
	Α	В
1.421	A.15	B.15
1.422	A.15	B.16
1.423	A.15	B.17
1.424	A.15	B.18
1.425	A.15	B.19
1.426	A.15	B.20
1.427	A.15	B.21
1.428	A.15	B.22
1.429	A.15	B.23
1.430	A.15	B.24
1.431	A.15	B.25
1.432	A.15	B.26
1.433	A.15	B.27
1.434	A.15	B.28
1.435	A.15	B.29
1.436	A.16	B.1
1.437	A.16	B.2
1.438	A.16	B.3
1.439	A.16	B.4
1.440	A.16	B.5
1.441	A.16	B.6
1.442	A.16	B.7
1.443	A.16	B.8
1.444	A.16	B.9
1.445	A.16	B.10
1.446	A.16	B.11
1.447	A.16	B.12
1.448	A.16	B.13
1.449	A.16	B.14
1.450	A.16	B.15
1.451	A.16	B.16
1.452	A.16	B.17
1.453	A.16	B.18
1.454	A.16	B.19
1.455	A.16	B.20
1.456	A.16	B.21
1.457	A.16	B.22
1.458	A.16	B.23
	10	0

	13	
No	herb.	fung.
	Α	В
1.459	A.16	B.24
1.460	A.16	B.25
1.461	A.16	B.26
1.462	A.16	B.27
1.463	A.16	B.28
1.464	A.16	B.29
1.465	A.17	B.1
1.466	A.17	B.2
1.467	A.17	B.3
1.468	A.17	B.4
1.469	A.17	B.5
1.470	A.17	B.6
1.471	A.17	B.7
1.472	A.17	B.8
1.473	A.17	B.9
1.474	A.17	B.10
1.475	A.17	B.11
1.476	A.17	B.12
1.477	A.17	B.13
1.478	A.17	B.14
1.479	A.17	B.15
1.480	A.17	B.16
1.481	A.17	B.17
1.482	A.17	B.18
1.483	A.17	B.19
1.484	A.17	B.20
1.485	A.17	B.21
1.486	A.17	B.22
1.487	A.17	B.23
1.488	A.17	B.24
1.489	A.17	B.25
1.490	A.17	B.26
1.491	A.17	B.27
1.492	A.17	B.28
1.493	A.17	B.29
1.494	A.18	B.1
1.495	A.18	B.2
1.496	A.18	B.3

No	herb. A
1.497	A.18
1.498	A.18
1.499	A.18
1.500	A.18
1.501	A.18
1.502	A.18
1.503	A.18
1.504	A.18
1.505	A.18
1.506	A.18
1.507	A.18
1.508	A.18
1.509	A.18
1.510	A.18
1.511	A.18
1.512	A.18
1.513	A.18
1.514	A.18
1.515	A.18
1.516	A.18
1.517	A.18
1.518	A.18
1.519	A.18
1.520	A.18
1.521	A.18
1.522	A.18
1.523	A.19
1.524	A.19
1.525	A.19
1.526	A.19
1.527	A.19
1.528	A.19
1.529	A.19
1.530	A.19
1.531	A.19
1.532	A.19
1.533	A.19
1.534	A.19

	Γ	I
No	herb.	fung.
	Α	В
1.535	A.19	B.13
1.536	A.19	B.14
1.537	A.19	B.15
1.538	A.19	B.16
1.539	A.19	B.17
1.540	A.19	B.18
1.541	A.19	B.19
1.542	A.19	B.20
1.543	A.19	B.21
1.544	A.19	B.22
1.545	A.19	B.23
1.546	A.19	B.24
1.547	A.19	B.25
1.548	A.19	B.26
1.549	A.19	B.27
1.550	A.19	B.28
1.551	A.19	B.29
1.552	A.20	B.1
1.553	A.20	B.2
1.554	A.20	B.3
1.555	A.20	B.4
1.556	A.20	B.5
1.557	A.20	B.6
1.558	A.20	B.7
1.559	A.20	B.8
1.560	A.20	B.9
1.561	A.20	B.10
1.562	A.20	B.11
1.563	A.20	B.12
1.564	A.20	B.13
1.565	A.20	B.14
1.566	A.20	B.15
1.567	A.20	B.16
1.568	A.20	B.17
1.569	A.20	B.18
1.570	A.20	B.19
1.571	A.20	B.20
1.572	A.20	B.21
	0	

	14	
No	herb.	fung.
	Α	В
1.573	A.20	B.22
1.574	A.20	B.23
1.575	A.20	B.24
1.576	A.20	B.25
1.577	A.20	B.26
1.578	A.20	B.27
1.579	A.20	B.28
1.580	A.20	B.29
1.581	A.21	B.1
1.582	A.21	B.2
1.583	A.21	B.3
1.584	A.21	B.4
1.585	A.21	B.5
1.586	A.21	B.6
1.587	A.21	B.7
1.588	A.21	B.8
1.589	A.21	B.9
1.590	A.21	B.10
1.591	A.21	B.11
1.592	A.21	B.12
1.593	A.21	B.13
1.594	A.21	B.14
1.595	A.21	B.15
1.596	A.21	B.16
1.597	A.21	B.17
1.598	A.21	B.18
1.599	A.21	B.19
1.600	A.21	B.20
1.601	A.21	B.21
1.602	A.21	B.22
1.603	A.21	B.23
1.604	A.21	B.24
1.605	A.21	B.25
1.606	A.21	B.26
1.607	A.21	B.27
1.608	A.21	B.28
1.609	A.21	B.29
1.610	A.22	B.1

No	herb.
	Α
1.611	A.22
1.612	A.22
1.613	A.22
1.614	A.22
1.615	A.22
1.616	A.22
1.617	A.22
1.618	A.22
1.619	A.22
1.620	A.22
1.621	A.22
1.622	A.22
1.623	A.22
1.624	A.22
1.625	A.22
1.626	A.22
1.627	A.22
1.628	A.22
1.629	A.22
1.630	A.22
1.631	A.22
1.632	A.22
1.633	A.22
1.634	A.22
1.635	A.22
1.636	A.22
1.637	A.22
1.638	A.22
1.639	A.23
1.640	A.23
1.641	A.23
1.642	A.23
1.643	A.23
1.644	A.23
1.645	A.23
1.646	A.23
1.647	A.23
1.648	A.23

No	herb.	fung.
	Α	В
1.649	A.23	B.11
1.650	A.23	B.12
1.651	A.23	B.13
1.652	A.23	B.14
1.653	A.23	B.15
1.654	A.23	B.16
1.655	A.23	B.17
1.656	A.23	B.18
1.657	A.23	B.19
1.658	A.23	B.20
1.659	A.23	B.21
1.660	A.23	B.22
1.661	A.23	B.23
1.662	A.23	B.24
1.663	A.23	B.25
1.664	A.23	B.26
1.665	A.23	B.27
1.666	A.23	B.28
1.667	A.23	B.29
1.668	A.24	B.1
1.669	A.24	B.2
1.670	A.24	B.3
1.671	A.24	B.4
1.672	A.24	B.5
1.673	A.24	B.6
1.674	A.24	B.7
1.675	A.24	B.8
1.676	A.24	B.9
1.677	A.24	B.10
1.678	A.24	B.11
1.679	A.24	B.12
1.680	A.24	B.13
1.681	A.24	B.14
1.682	A.24	B.15
1.683	A.24	B.16
1.684	A.24	B.17
1.685	A.24	B.18
1.686	A.24	B.19
	<u> </u>	I

15		
No	herb.	fung.
	Α	В
1.687	A.24	B.20
1.688	A.24	B.21
1.689	A.24	B.22
1.690	A.24	B.23
1.691	A.24	B.24
1.692	A.24	B.25
1.693	A.24	B.26
1.694	A.24	B.27
1.695	A.24	B.28
1.696	A.24	B.29
1.697	A.25	B.1
1.698	A.25	B.2
1.699	A.25	B.3
1.700	A.25	B.4
1.701	A.25	B.5
1.702	A.25	B.6
1.703	A.25	B.7
1.704	A.25	B.8
1.705	A.25	B.9
1.706	A.25	B.10
1.707	A.25	B.11
1.708	A.25	B.12
1.709	A.25	B.13
1.710	A.25	B.14
1.711	A.25	B.15
1.712	A.25	B.16
1.713	A.25	B.17
1.714	A.25	B.18
1.715	A.25	B.19
1.716	A.25	B.20
1.717	A.25	B.21
1.718	A.25	B.22
1.719	A.25	B.23
1.720	A.25	B.24
1.721	A.25	B.25
1.722	A.25	B.26
1.723	A.25	B.27
1.724	A.25	B.28

No	herb.
	Α
1.725	A.25
1.726	A.26
1.727	A.26
1.728	A.26
1.729	A.26
1.730	A.26
1.731	A.26
1.732	A.26
1.733	A.26
1.734	A.26
1.735	A.26
1.736	A.26
1.737	A.26
1.738	A.26
1.739	A.26
1.740	A.26
1.741	A.26
1.742	A.26
1.743	A.26
1.744	A.26
1.745	A.26
1.746	A.26
1.747	A.26
1.748	A.26
1.749	A.26
1.750	A.26
1.751	A.26
1.752	A.26
1.753	A.26
1.754	A.26
1.755	A.27
1.756	A.27
1.757	A.27
1.758	A.27
1.759	A.27
1.760	A.27
1.761	A.27
1.762	A.27

No	herb.	fung.
	Α	В
1.763	A.27	B.9
1.764	A.27	B.10
1.765	A.27	B.11
1.766	A.27	B.12
1.767	A.27	B.13
1.768	A.27	B.14
1.769	A.27	B.15
1.770	A.27	B.16
1.771	A.27	B.17
1.772	A.27	B.18
1.773	A.27	B.19
1.774	A.27	B.20
1.775	A.27	B.21
1.776	A.27	B.22
1.777	A.27	B.23
1.778	A.27	B.24
1.779	A.27	B.25
1.780	A.27	B.26
1.781	A.27	B.27
1.782	A.27	B.28
1.783	A.27	B.29
1.784	A.28	B.1
1.785	A.28	B.2
1.786	A.28	B.3
1.787	A.28	B.4
1.788	A.28	B.5
1.789	A.28	B.6
1.790	A.28	B.7
1.791	A.28	B.8
1.792	A.28	B.9
1.793	A.28	B.10
1.794	A.28	B.11
1.795	A.28	B.12
1.796	A.28	B.13
1.797	A.28	B.14
1.798	A.28	B.15
1.799	A.28	B.16
1.800	A.28	B.17
	l .	I

16		
No	herb.	fung.
	Α	В
1.801	A.28	B.18
1.802	A.28	B.19
1.803	A.28	B.20
1.804	A.28	B.21
1.805	A.28	B.22
1.806	A.28	B.23
1.807	A.28	B.24
1.808	A.28	B.25
1.809	A.28	B.26
1.810	A.28	B.27
1.811	A.28	B.28
1.812	A.28	B.29
1.813	A.29	B.1
1.814	A.29	B.2
1.815	A.29	B.3
1.816	A.29	B.4
1.817	A.29	B.5
1.818	A.29	B.6
1.819	A.29	B.7
1.820	A.29	B.8
1.821	A.29	B.9
1.822	A.29	B.10
1.823	A.29	B.11
1.824	A.29	B.12
1.825	A.29	B.13
1.826	A.29	B.14
1.827	A.29	B.15
1.828	A.29	B.16
1.829	A.29	B.17
1.830	A.29	B.18
1.831	A.29	B.19
1.832	A.29	B.20
1.833	A.29	B.21
1.834	A.29	B.22
1.835	A.29	B.23
1.836	A.29	B.24
1.837	A.29	B.25
1.838	A.29	B.26

No	herb. A
1.839	A.29
1.840	A.29
1.841	A.29
1.842	A.30
1.843	A.30
1.844	A.30
1.845	A.30
1.846	A.30
1.847	A.30
1.848	A.30
1.849	A.30
1.850	A.30
1.851	A.30
1.852	A.30
1.853	A.30
1.854	A.30
1.855	A.30
1.856	A.30
1.857	A.30
1.858	A.30
1.859	A.30
1.860	A.30
1.861	A.30
1.862	A.30
1.863	A.30
1.864	A.30
1.865	A.30
1.866	A.30
1.867	A.30
1.868	A.30
1.869	A.30
1.870	A.30
1.871	A.31
1.872	A.31
1.873	A.31
1.874	A.31
1.875	A.31
1.876	A.31

Г	Γ	П
No	herb.	fung.
	Α	В
1.877	A.31	B.7
1.878	A.31	B.8
1.879	A.31	B.9
1.880	A.31	B.10
1.881	A.31	B.11
1.882	A.31	B.12
1.883	A.31	B.13
1.884	A.31	B.14
1.885	A.31	B.15
1.886	A.31	B.16
1.887	A.31	B.17
1.888	A.31	B.18
1.889	A.31	B.19
1.890	A.31	B.20
1.891	A.31	B.21
1.892	A.31	B.22
1.893	A.31	B.23
1.894	A.31	B.24
1.895	A.31	B.25
1.896	A.31	B.26
1.897	A.31	B.27
1.898	A.31	B.28
1.899	A.31	B.29
1.900	A.32	B.1
1.901	A.32	B.2
1.902	A.32	B.3
1.903	A.32	B.4
1.904	A.32	B.5
1.905	A.32	B.6
1.906	A.32	B.7
1.907	A.32	B.8
1.908	A.32	B.9
1.909	A.32	B.10
1.910	A.32	B.11
1.911	A.32	B.12
1.912	A.32	B.13
1.913	A.32	B.14
1.914	A.32	B.15
	·•	

	17	
No	herb.	fung.
	Α	В
1.915	A.32	B.16
1.916	A.32	B.17
1.917	A.32	B.18
1.918	A.32	B.19
1.919	A.32	B.20
1.920	A.32	B.21
1.921	A.32	B.22
1.922	A.32	B.23
1.923	A.32	B.24
1.924	A.32	B.25
1.925	A.32	B.26
1.926	A.32	B.27
1.927	A.32	B.28
1.928	A.32	B.29
1.929	A.33	B.1
1.930	A.33	B.2
1.931	A.33	B.3
1.932	A.33	B.4
1.933	A.33	B.5
1.934	A.33	B.6
1.935	A.33	B.7
1.936	A.33	B.8
1.937	A.33	B.9
1.938	A.33	B.10
1.939	A.33	B.11
1.940	A.33	B.12
1.941	A.33	B.13
1.942	A.33	B.14
1.943	A.33	B.15
1.944	A.33	B.16
1.945	A.33	B.17
1.946	A.33	B.18
1.947	A.33	B.19
1.948	A.33	B.20
1.949	A.33	B.21
1.950	A.33	B.22
1.951	A.33	B.23
1.952	A.33	B.24

No	herb.
	Α
1.953	A.33
1.954	A.33
1.955	A.33
1.956	A.33
1.957	A.33
1.958	A.34
1.959	A.34
1.960	A.34
1.961	A.34
1.962	A.34
1.963	A.34
1.964	A.34
1.965	A.34
1.966	A.34
1.967	A.34
1.968	A.34
1.969	A.34
1.970	A.34
1.971	A.34
1.972	A.34
1.973	A.34
1.974	A.34
1.975	A.34
1.976	A.34
1.977	A.34
1.978	A.34
1.979	A.34
1.980	A.34
1.981	A.34
1.982	A.34
1.983	A.34
1.984	A.34
1.985	A.34
1.986	A.34
1.987	A.35
1.988	A.35
1.989	A.35
1.990	A.35

18

No	herb.	fung.
	Α	В
1.991	A.35	B.5
1.992	A.35	B.6
1.993	A.35	B.7
1.994	A.35	B.8
1.995	A.35	B.9
1.996	A.35	B.10
1.997	A.35	B.11
1.998	A.35	B.12
1.999	A.35	B.13
1.1000	A.35	B.14
1.1001	A.35	B.15
1.1002	A.35	B.16
1.1003	A.35	B.17
1.1004	A.35	B.18
1.1005	A.35	B.19
1.1006	A.35	B.20
1.1007	A.35	B.21
1.1008	A.35	B.22
1.1009	A.35	B.23
1.1010	A.35	B.24
1.1011	A.35	B.25
1.1012	A.35	B.26
1.1013	A.35	B.27
1.1014	A.35	B.28
1.1015	A.35	B.29
1.1016	A.36	B.1
1.1017	A.36	B.2
1.1018	A.36	B.3

5

10

	18	
No	herb.	fung.
	Α	В
1.1019	A.36	B.4
1.1020	A.36	B.5
1.1021	A.36	B.6
1.1022	A.36	B.7
1.1023	A.36	B.8
1.1024	A.36	B.9
1.1025	A.36	B.10
1.1026	A.36	B.11
1.1027	A.36	B.12
1.1028	A.36	B.13
1.1029	A.36	B.14
1.1030	A.36	B.15
1.1031	A.36	B.16
1.1032	A.36	B.17
1.1033	A.36	B.18
1.1034	A.36	B.19
1.1035	A.36	B.20
1.1036	A.36	B.21
1.1037	A.36	B.22
1.1038	A.36	B.23
1.1039	A.36	B.24
1.1040	A.36	B.25
1.1041	A.36	B.26
1.1042	A.36	B.27
1.1043	A.36	B.28
1.1044	A.36	B.29
1.1045	A.37	B.1
1.1046	A.37	B.2

No	herb.
	Α
1.1047	A.37
1.1048	A.37
1.1049	A.37
1.1050	A.37
1.1051	A.37
1.1052	A.37
1.1053	A.37
1.1054	A.37
1.1055	A.37
1.1056	A.37
1.1057	A.37
1.1058	A.37
1.1059	A.37
1.1060	A.37
1.1061	A.37
1.1062	A.37
1.1063	A.37
1.1064	A.37
1.1065	A.37
1.1066	A.37
1.1067	A.37
1.1068	A.37
1.1069	
1.1070	A.37
1.1071	A.37
1.1072	A.37
1.1073	A.37

Among the above compositions, preference is given to the following:

1.1, 1.4. 1.9, 1.11, 1.12, 1.15, 1.20, 1.21, 1.22, 1.24, 1.25, 1.26, 1.27, 1.28, 1. 1.33, 1.38, 1.40, 1.41, 1.44, 1.49, 1.50, 1.51, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.294, 1.299, 1.301, 1.302, 1.305, 1.310, 1.311, 1.312, 1.314, 1.315, 1.316, 1.318, 1.319, 1.320, 1.323, 1.328, 1.330, 1.331, 1.334, 1.339, 1.340, 1.341, 1.344, 1.345, 1.346, 1.347, 1.348, 1.407, 1.410, 1.415, 1.417, 1.418, 1.421, 1.427, 1.428, 1.430, 1.431, 1.432, 1.433, 1.434, 1.435, 1.494, 1.497, 1.502, 1.505, 1.508, 1.513, 1.514, 1.515, 1.517, 1.518, 1.519, 1.520, 1.521, 1.522, 1.584, 1.589, 1.591, 1.592, 1.595, 1.600, 1.601, 1.602, 1.604, 1.605, 1.606, 1.

1.608, 1.609, 1.668, 1.671, 1.676, 1.678, 1.679, 1.682, 1.687, 1.688, 1.689, 1

1.692, 1.693, 1.694, 1.695, 1.696, 1.697, 1.700, 1.705, 1.707, 1.708, 1.711, 1
1.717, 1.718, 1.720, 1.721, 1.722, 1.723, 1.724, 1.725, 1.726, 1.729, 1.734, 1
1.737, 1.740, 1.745, 1.746, 1.747, 1.749, 1.750, 1.751, 1.752, 1.753, 1.754, 1
1.787, 1.792, 1.794, 1.795, 1.798, 1.803, 1.804, 1.805, 1.807, 1.808, 1.809, 1
1.811, 1.812, 1.813, 1.816, 1.821, 1.823, 1.824, 1.827, 1.832, 1.833, 1.834, 1
1.837, 1.838, 1.839, 1.840, 1.841, 1.871, 1.874, 1.879, 1.881, 1.882, 1.885, 1
1.891, 1.892, 1.894, 1.895, 1.896, 1.897, 1.898, 1.899, 1.900, 1.903, 1.908, 1
1.911, 1.914, 1.919, 1.920, 1.921, 1.923, 1.924, 1.925, 1.926, 1.927, 1.928, 1
1.932, 1.937, 1.939, 1.940, 1.943, 1.948, 1.949, 1.950, 1.952, 1.953, 1.954, 1
1.956, 1.957, 1.958, 1.961, 1.966, 1.968, 1.969, 1.972, 1.977, 1.978, 1.979, 1
1.982, 1.983, 1.984, 1.985, 1.986, 1.1016, 1.1019, 1.1024, 1.1026, 1.1027, 1.
1.1035, 1.1036, 1.1037, 1.1039, 1.1040, 1.1041, 1.1042, 1.1043, 1.1044, 1.10
1.1048, 1.1053, 1.1055, 1.1056, 1.1059, 1.1064, 1.1065, 1.1066, 1.1068, 1.10
1.1070, 1.1071, 1.1072, 1.1073.

More preference is given to following compositions:

1.1, 1.4, 1.9, 1.12, 1.15, 1.20, 1.21, 1.24, 1.25, 1.29, 1.30, 1.33, 1.38, 1.41, 1. 1.50, 1.53, 1.54, 1.58, 1.291, 1.294, 1.299, 1.302, 1.305, 1.310, 1.311, 1.314, 1.319, 1.320, 1.323, 1.328, 1.331, 1.334, 1.339, 1.340, 1.343, 1.344, 1.348, 1 1.497, 1.502, 1.505, 1.508, 1.513, 1.514, 1.517, 1.518, 1.522, 1.668, 1.671, 1 1.679, 1.682, 1.687, 1.688, 1.691, 1.692, 1.696, 1.726, 1.729, 1.734, 1.737, 1 1.745, 1.746, 1.749, 1.750, 1.754, 1.784, 1.787, 1.792, 1.795, 1.798, 1.803, 1 1.807, 1.808, 1.812, 1.813, 1.816, 1.821, 1.824, 1.827, 1.832, 1.833, 1.836, 1 1.841, 1.871, 1.874, 1.879, 1.882, 1.885, 1.890, 1.891, 1.894, 1.895, 1.899, 1 1.903, 1.908, 1.911, 1.914, 1.919, 1.920, 1.923, 1.924, 1.928, 1.929, 1.932, 1 1.940, 1.943, 1.948, 1.949, 1.952, 1.953, 1.957, 1.958, 1.961, 1.966, 1.969, 1 1.977, 1.978, 1.981, 1.982, 1.986, 1.1045, 1.1048, 1.1053, 1.1056, 1.1059, 1. 1.1065, 1.1068, 1.1069, 1.1073.

30

35

5

10

15

It may be useful to apply the compositions according to the present invention ing at least one the herbicide A and the at least one fungicide B in combinatio safeners. Accordingly in another embodiment of the present invention the con according to the present invention comprise as additional component at least ener C.

Safeners are chemical compounds which prevent or reduce damage on useful without having a major impact on the herbicidal action of the herbicidal active nents of the present compositions towards unwanted plants. They can be app

before sowings (e.g. on seed treatments, shoots or seedlings) or in the pre-er application or post-emergence application of the useful plant. The at least one C and at least one the herbicide A and at least one fungicide B can be applied neously or in succession.

5

Suitable safeners C are e.g. (quinolin-8-oxy)acetic acids, 1-phenyl-5-haloalky 1,2,4-triazol-3-carboxylic acids, 1-phenyl-4,5-dihydro-5-alkyl-1H-pyrazol-3,5-dicarboxylic acids, 4,5-dihydro-5,5-diaryl-3-isoxazol carboxylic acids, dichloroides, alpha-oximinophenylacetonitriles, acetophenonoximes, 4,6-dihalo-2-phenylpyrimidines, N-[[4-(aminocarbonyl)phenyl]sulfonyl]-2-benzoic amides, 1 naphthalic anhydride, 2-halo-4-(haloalkyl)-5-thiazol carboxylic acids, phospho and N-alkyl-O-phenylcarbamates and their agriculturally acceptable salts and 1 riculturally acceptable derivatives such amides, esters, and thioesters, provide have an acid group.

15

20

10

Examples of preferred safeners C are benoxacor, cloquintocet, cyometrinil, cy famide, dichlormid, dicyclonon, dietholate, fenchlorazole, fenclorim, flurazole, im, furilazole, isoxadifen, mefenpyr, mephenate, naphthalic anhydride, oxabel 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3) trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (R-29148, CAS 52836-31-4) and \(\text{Methoxybenzoyl} \) \text{ Methoxybenzoyl} \) \(4-[\text{(methylaminocarbonyl)amino]} \) \) benzenesulfonamide (CAS 12-0).

25

Especially preferred safeners C are benoxacor, cloquintocet, cyprosulfamide, mid, fenchlorazole, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen, mefnaphthalic anhydride, oxabetrinil, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]deca (MON4660, CAS 71526-07-3), 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidi 29148, CAS 52836-31-4) and N-(2-Methoxybenzoyl)-4-[(methylaminocarbony amino]benzenesulfonamide (CAS 129531-12-0).

30

35

Particularly preferred safeners C are benoxacor, cloquintocet, cyprosulfamide mid, fenchlorazole, fenclorim, furilazole, isoxadifen, mefenpyr, naphtalic anhy (dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (MON4660, CAS 71526-07-3), 2 trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (R-29148, CAS 52836-31-4) and 1 Methoxybenzoyl)-4-[(methylaminocarbonyl)amino]benzenesulfonamide (CAS 12-0).

The safeners C are known safeners, see, for example, The Compendium of F Common Names (http://www.alanwood.net/pesticides/); Farm Chemicals Har

2000 volume 86, Meister Publishing Company, 2000; B. Hock, C. Fedtke, R. R. Schmidt, Herbizide [Herbicides], Georg Thieme Verlag, Stuttgart 1995; W. H. Ahrens, Herbicide Handbook, 7th edition, Weed Science Society of Am 1994; and K. K. Hatzios, Herbicide Handbook, Supplement for the 7th edition. Science Society of America, 1998.

The assignment of the active compounds to the respective mechanisms of ac based on current knowledge. If several mechanisms of action apply to one ac pound, this substance was only assigned to one mechanism of action.

10

15

20

25

30

35

5

If the herbicide A, the fungicide B and/or the safener C are capable of forming rical isomers, for example E/Z isomers, both the pure isomers and mixtures th may be used in the compositions according to the invention. If the herbicide A the fungicide B have one of more centers of chirality and are thus present as mers or diastereomers, both the pure enantiomers and diastereomers and mixthereof may be used in the compositions according to the invention.

The herbicide A, the fungicide B and/or the safener C can be present in different modifications whose biological activity may differ. They are likewise subject m the present invention.

If the herbicide A, the fungicide B and/or the safener C have ionizable function groups, they can also be employed in the form of their agriculturally acceptab Suitable are, in general, the salts of those cations and the acid addition salts acids whose cations and anions, respectively, have no adverse effect on the atthe active compounds.

Preferred cations are the ions of the alkali metals, preferably of lithium, sodiur potassium, of the alkaline earth metals, preferably of calcium and magnesium the transition metals, preferably of manganese, copper, zinc and iron, further um and substituted ammonium in which one to four hydrogen atoms are repla C_1 - C_4 -alkyl, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, hydroxy- C_1 - C_4 -alkyl, phenyl or benzyl, preferably ammonium, methylammonium, isopropylam dimethylammonium, diisopropylammonium, trimethylammonium, tetramethyla um, tetraethylammonium, tetrabutylammonium, 2-hydroxyethylammonium, 2-hydroxyeth-1-oxy)eth-1-ylammonium, di(2-hydroxyeth-1-yl)ammonium, benzy thylammonium, benzyltriethylammonium, furthermore phosphonium ions, sulfiions, preferably tri(C_1 - C_4 -alkyl)sulfonium, such as trimethylsulfonium, and sulfiions, preferably tri(C_1 - C_4 -alkyl)sulfoxonium.

10

15

20

25

30

35

22

Anions of useful acid addition salts are primarily chloride, bromide, fluoride, io drogensulfate, methylsulfate, sulfate, dihydrogenphosphate, hydrogenphosph trate, bicarbonate, carbonate, hexafluorosilicate, hexafluorophosphate, benzo also the anions of C₁-C₄-alkanoic acids, preferably formate, acetate, propiona butyrate.

The herbicide A, the fungicide B and/or the safener C having a carboxyl group employed in the form of the acid, in the form of an agriculturally suitable salt c the form of an agriculturally acceptable derivative in the compositions according invention, for example as amides, such as mono- and di- C_1 - C_6 -alkylamides of mides, as esters, for example as allyl esters, propargyl esters, C_1 - C_{10} -alkyl esters alkoxyalkyl esters and also as thioesters, for example as C_1 - C_{10} -alkylthio estered mono- and di- C_1 - C_6 -alkylamides are the methyl and the dimethylamides ferred arylamides are, for example, the anilides and the 2-chloroanilides. Prefalkyl esters are, for example, the methyl, ethyl, propyl, isopropyl, butyl, isobut mexyl (1-methylhexyl) or isooctyl (2-ethylhexyl) esters. Preferred C_1 - C_4 -alkoxyalkyl esters are the straight-chain or branched C_1 - C_4 -alkoxy ethyl esters, for e the methoxyethyl, ethoxyethyl or butoxyethyl ester. An example of a straight-cbranched C_1 - C_{10} -alkylthio ester is the ethylthio ester.

Suitable and preferred salts and esters of specific herbicides A are listed above

The compositions according to the present invention are useful in plant protection. The term "plant" as used herein includes all parts of a plant such as generated, emerging seedlings and herbaceous vegetation including all belowgroutions (such as the roots) and aboveground portions.

In the context of the present invention, the term "corn" is restricted to the cere (*Zea mays*) (in some countries also denominated as mielie/mealie).

The compositions according to the invention can also be used in genetically n corn plants. The term "genetically modified plants" is to be understood as plar genetic material has been modified by the use of recombinant DNA technique clude an inserted sequence of DNA that is not native to that plant species' geto exhibit a deletion of DNA that was native to that species' genome, wherein fication(s) cannot readily be obtained by cross breeding, mutagenesis or natu combination alone. Often, a particular genetically modified plant will be one th obtained its genetic modification(s) by inheritance through a natural breeding

gation process from an ancestral plant whose genome was the one directly to use of a recombinant DNA technique. Typically, one or more genes have bee grated into the genetic material of a genetically modified plant in order to impretain properties of the plant. Such genetic modifications also include but are not to targeted post-translational modification of protein(s), oligo- or polypeptides. inclusion therein of amino acid mutation(s) that permit, decrease, or promotetion or polymer additions such as prenylation, acetylation farnesylation, or PE attachment.

5

20

25

30

35

10 Corn plants as well as the propagation material of said plants, which can be to with the inventive mixtures include all modified non-transgenic plants or transgenits, e.g. crops which tolerate the action of herbicides or fungicides or insect owing to breeding, including genetic engineering methods, or plants which has fied characteristics in comparison with existing plants, which can be generate ample by traditional breeding methods and/or the generation of mutants, or by binant procedures.

For example, mixtures according to the present invention can be applied (as a treatment, foliar spray treatment, in-furrow application or by any other means) plants which have been modified by breeding, mutagenesis or genetic engine cluding but not limiting to agricultural biotech products on the market or in dev (cf. http://www.bio.org/speeches/pubs/er/agri_products.asp).

Corn plants that have been modified by breeding, mutagenesis or genetic enc e.g. have been rendered tolerant to applications of specific classes of herbicic as auxinic herbicides such as dicamba or 2,4-D; bleacher herbicides such as hydroxyphenylpyruvate dioxygenase (HPPD) inhibitors or phytoene desaturas inhibitors; acetolactate synthase (ALS) inhibitors such as sulfonylureas or imic nones, e.g. imazamox; enolpyruvyl shikimate 3-phosphate synthase (EPSP) i such as glyphosate or sulfosate; glutamine synthetase (GS) inhibitors such as glufosinate or bialafos; protoporphyrinogen-IX oxidase (PPO) inhibitors; lipid k thesis inhibitors such as acetylCoA carboxylase (ACCase) inhibitors; or oxyni bromoxynil or ioxynil) herbicides as a result of conventional methods of breed genetic engineering; furthermore, plants have been made resistant to multiple of herbicides through multiple genetic modifications, such as resistance to both sate and glufosinate or to both glyphosate and a herbicide from another class ALS inhibitors, HPPD inhibitors, auxinic herbicides, or ACCase inhibitors. The cide resistance technologies are, for example, described in Pest Managemen 61, 2005, 246; 61, 2005, 258; 61, 2005, 277; 61, 2005, 269; 61, 2005, 286; 64

10

15

20

25

30

35

WO 2013/127863 PCT/EP2013/053944

326; 64, 2008, 332; Weed Science 57, 2009, 108; Australian Journal of Agrici Research 58, 2007, 708; Science 316, 2007, 1185; and references quoted the Genetic engineering methods have been used to render corn tolerant to herbi such as glyphosate, imidazolinones and glufosinate, some of which are under opment or commercially available under the brands or trade names Roundupl (glyphosate tolerant, Monsanto, USA) and LibertyLink® (glufosinate tolerant, CropScience, Germany). Preferably, the corn plants are tolerant against herb selected from the group of acetylCoA carboxylase inhibitors, e.g. sethoxydim; tate synthase inhibitors (ALS inhibitors), e.g. imazapic, imazapyr, imazethapy agriculturally acceptable salts; auxinic herbicides, e.g. 2,4-D, dicamba and the turally acceptable salts, esters and amides; EPSP synthase inhibitors, e.g. gly sulfosate and their agriculturally acceptable salts; and glutamine synthase inh e.g. glufosinate, bialafos and their agriculturally acceptable salts.

Furthermore, corn plants are also covered that are by the use of recombinant techniques capable to synthesize one or more insecticidal proteins, especially known from the bacterial genus Bacillus, particularly from Bacillus thuringiens as delta-endotoxins, e. g., CrylA(b), CrylA(c), CrylF, CrylF(a2), CrylIA(b), Cry IIIB(b1) or Cry9c; vegetative insecticidal proteins (VIP), e.g., VIP1, VIP2, VIP VIP3A; insecticidal proteins of bacteria colonizing nematodes, e. g., Photorha or Xenorhabdus spp.; toxins produced by animals, such as scorpion toxins, an toxins, wasp toxins, or other insect-specific neurotoxins; toxins produced by fu as Streptomycetes toxins, plant lectins, such as pea or barley lectins; agglutir teinase inhibitors, such as trypsin inhibitors, serine protease inhibitors, patatir or papain inhibitors; ribosome-inactivating proteins (RIP), such as ricin, maize abrin, luffin, saporin or bryodin; steroid metabolism enzymes, such as 3hydroxy-steroid oxidase, ecdysteroid-IDP-glycosyl-transferase, cholesterol ox ecdysone inhibitors or HMG-CoA-reductase; ion channel blockers, such as blockers. sodium or calcium channels; juvenile hormone esterase; diuretic hormone rec (helicokinin receptors); stilbene synthase, bibenzyl synthase, chitinases or glu In the context of the present invention these insecticidal proteins or toxins are understood expressly also as including pre-toxins, hybrid proteins, truncated (wise modified proteins. Hybrid proteins are characterized by a new combination tein domains, (see, e. g., WO 02/015701). Further examples of such toxins or ically modified plants capable of synthesizing such toxins are disclosed, e. q., 374 753, WO 93/007278, WO 95/34656, EP-A 427 529, EP-A 451 878, WO (and WO 03/52073. The methods for producing such genetically modified plan generally known to the person skilled in the art and are described, e.g., in the tions mentioned above. These insecticidal proteins contained in the genetical

25

fied plants impart to the plants producing these proteins tolerance to harmful i all taxonomic groups of arthropods, especially to beetles (Coleoptera), two-wi sects (Diptera), and moths (Lepidoptera) and to nematodes (Nematoda). Gen modified plants capable to synthesize one or more insecticidal proteins are, e scribed in the publications mentioned above, and some of which are commercial available such as YieldGard® (corn cultivars producing the Cry1Ab toxin), Yie Plus (corn cultivars producing Cry1Ab and Cry3Bb1 toxins), Starlink® (corn cultivars producing Cry1Ab and Cry3Bb1 toxins) producing the Cry9c toxin), Herculex® RW (corn cultivars producing Cry34Ab Cry35Ab1 and the enzyme Phosphinothricin-N-Acetyltransferase [PAT]); Bt-X tureGard®, KnockOut®, BiteGard®, Protecta®, Bt11 (e. g., Agrisure® CB) an from Syngenta Seeds SAS, France, (corn cultivars producing the Cry1Ab toxi PAT enzyme), MIR604 from Syngenta Seeds SAS, France (corn cultivars pro modified version of the Cry3A toxin, c.f. WO 03/018810), MON 863 from Mon-Europe S.A., Belgium (corn cultivars producing the Cry3Bb1 toxin) and 1507 to neer Overseas Corporation, Belgium (corn cultivars producing the Cry1F toxir enzyme).

Furthermore, corn plants are also covered that are by the use of recombinant techniques capable to synthesize one or more proteins to increase the resistatolerance of those plants to bacterial, viral or fungal pathogens. Examples of a teins are the so-called "pathogenesis-related proteins" (PR proteins, see, e.g. 392 225), plant disease resistance genes or T4-lyso-zym. The methods for pr such genetically modified plants are generally known to the person skilled in tare described, e.g., in the publications mentioned above.

25

30

20

5

10

15

Furthermore, corn plants are also covered that are by the use of recombinant techniques capable to synthesize one or more proteins to increase the production, bio-mass production, grain yield, starch content, oil content or protein of tolerance to drought, salinity or other growth-limiting environmental factors or to pests and fungal, bacterial or viral pathogens of those plants.

Furthermore, plants are also covered that contain by the use of recombinant I techniques a modified amount of ingredients or new ingredients, specifically to human or animal nutrition.

35

Furthermore, plants are also covered that contain by the use of recombinant I techniques a modified amount of ingredients or new ingredients, specifically to raw material production.

The compositions to be used according to the invention or the crop protection tions comprising them or formulated therefrom can be used, for example, in the ready-to-spray aqueous solutions, powders, suspensions, also highly concent aqueous, oily or other suspensions or dispersions, emulsions, oil dispersions, dusts, materials for broadcasting, or granules, by means of spraying, atomizing, broadcasting or watering or treatment of the seed or mixing with the seed forms depend on the intended purpose; in any case, they should ensure the fitsible distribution of the active compounds according to the invention.

5

- The crop protection compositions comprise an effective amount of the compo according to the invention, i.e. at least one herbicide A or an agriculturally use thereof and at least one fungicide B, and also auxiliaries customary for formul protection agents.
- Examples for composition types are suspensions (SC, OD, FS), emulsifiable of trates (EC), emulsions (EW, EO, ES), pastes, pastilles, wettable powders or c (WP, SP, SS, WS, DP, DS) or granules (GR, FG, GG, MG), which can be wat soluble or wettable, as well as gel formulations for the treatment of plant propomaterials such as seeds (GF).
- 20 Usually the composition types (e. g. SC, OD, FS, EC, WG, SG, WP, SP, SS, are employed diluted. Composition types such as DP, DS, GR, FG, GG and N usually used undiluted.
- The compositions are prepared in a known manner (cf. US 3,060,084, EP-A 7 (for liquid concentrates), Browning: "Agglomeration", Chemical Engineering, I 1967, 147-48, Perry's Chemical Engineer's Handbook, 4th Ed., McGraw-Hill, York, 1963, S. 8-57 und ff. WO 91/13546, US 4,172,714, US 4,144,050, US 3 US 5,180,587, US 5,232,701, US 5,208,030, GB 2,095,558, US 3,299,566, K Weed Control as a Science (J. Wiley & Sons, New York, 1961), Hance et al.: Control Handbook (8th Ed., Blackwell Scientific, Oxford, 1989) and Mollet, H.
- 30 Grubemann, A.: Formulation technology (Wiley VCH Verlag, Weinheim, 2001
 - The crop protection compositions may also comprise auxiliaries which are cut agrochemical compositions. The auxiliaries used depend on the particular approximation of the particular approxim
- 35 Examples of auxiliaries customary for the formulation of crop protection agent inert auxiliaries, solid or liquid carriers, surfactants (such as dispersants, prote loids, emulsifiers, wetting agents and tackifiers), organic and inorganic thicker tericides, antifreeze agents, antifoams, optionally colorants and, for seed form adhesives.

Examples of thickeners (i.e. compounds which impart to the formulation modi properties, i.e. high viscosity in the state of rest and low viscosity in motion) as saccharides, such as xanthan gum (Kelzan® from Kelco), Rhodopol® 23 (Rholenc) or Veegum® (from R.T. Vanderbilt), and also organic and inorganic sheals, such as Attaclay® (from Engelhardt).

Examples of antifoams are silicone emulsions (such as, for example, Silikon[®] Wacker or Rhodorsil® from Rhodia), long-chain alcohols, fatty acids, salts of ids, organofluorine compounds and mixtures thereof.

5

30

Bactericides can be added for stabilizing the aqueous herbicidal formulations.

10 ples of bactericides are bactericides based on diclorophen and benzyl alcoho formal (Proxel® from ICI or Acticide® RS from Thor Chemie and Kathon® Mk Rohm & Haas), and also isothiazolinone derivates, such as alkylisothiazolinor benzisothiazolinones (Acticide® MBS from Thor Chemie).

Examples of antifreeze agents are ethylene glycol, propylene glycol, urea or geta Examples of colorants are both sparingly water-soluble pigments and water-soluble. Examples which may be mentioned are the dyes known under the name damin B, C.I. Pigment Red 112 and C.I. Solvent Red 1, and also pigment blue pigment blue 15:3, pigment blue 15:2, pigment blue 15:1, pigment blue 80, pigment 15:2, pigment red 112, pigment red 48:2, pigment red pigment red 57:1, pigment red 53:1, pigment orange 43, pigment orange 34, pigment orange 34, pigment orange 34, pigment orange 34.

pigment red 57:1, pigment red 53:1, pigment orange 43, pigment orange 34, porange 5, pigment green 36, pigment green 7, pigment white 6, pigment brow basic violet 10, basic violet 49, acid red 51, acid red 52, acid red 14, acid blue yellow 23, basic red 10, basic red 108.

Examples of adhesives (tackifiers or binders) are polyvinylpyrrolidone, polyvir tate, polyvinyl alcohol and cellulose ethers (Tylose®, shin-Etsu, Japan). Suitable inert auxiliaries are, for example, the following:

mineral oil fractions of medium to high boiling point, such as kerosene and die furthermore coal tar oils and oils of vegetable or animal origin, aliphatic, cyclic omatic hydrocarbons, for example paraffin, tetrahydronaphthalene, alkylated lenes and their derivatives, alkylated benzenes and their derivatives, alcohols methanol, ethanol, propanol, butanol and cyclohexanol, ketones such as cyclinone or strongly polar solvents, for example amines such as N-methylpyrrolid water.

Suitable carriers include liquid and solid carriers.

Liquid carriers include e.g. non-aqueous solvents such as cyclic and aromatic carbons, e.g. paraffins, tetrahydronaphthalene, alkylated naphthalenes and the atives, alkylated benzenes and their derivatives, alcohols such as methanol, ε propanol, butanol and cyclohexanol, ketones such as cyclohexanone, strongly

solvents, e.g. amines such as N-methylpyrrolidone, and water as well as mixt thereof.

Solid carriers include e.g. mineral earths such as silicas, silica gels, silicates, lin, limestone, lime, chalk, bole, loess, clay, dolomite, diatomaceous earth, cal fate, magnesium sulfate and magnesium oxide, ground synthetic materials, fe such as ammonium sulfate, ammonium phosphate, ammonium nitrate and un products of vegetable origin, such as cereal meal, tree bark meal, wood meal shell meal, cellulose powders, or other solid carriers.

5

10

15

20

25

Suitable surfactants (adjuvants, wetting agents, tackifiers, dispersants and als fiers) are the alkali metal salts, alkaline earth metal salts and ammonium salts matic sulfonic acids, for example lignosulfonic acids (e.g. Borrespers-types, B gaard), phenolsulfonic acids, naphthalenesulfonic acids (Morwet types, Akzo and dibutylnaphthalenesulfonic acid (Nekal types, BASF AG), and of fatty acid and alkylarylsulfonates, alkyl sulfates, lauryl ether sulfates and fatty alcohol su and salts of sulfated hexa-, hepta- and octadecanols, and also of fatty alcohol ethers, condensates of sulfonated naphthalene and its derivatives with formal condensates of naphthalene or of the naphthalenesulfonic acids with phenol a maldehyde, polyoxyethylene octylphenol ether, ethoxylated isooctyl-, octyl- or nonylphenol, alkylphenyl or tributylphenyl polyglycol ether, alkylaryl polyether isotridecyl alcohol, fatty alcohol/ethylene oxide condensates, ethoxylated cast polyoxyethylene alkyl ethers or polyoxypropylene alkyl ethers, lauryl alcohol p ether acetate, sorbitol esters, lignosulfite waste liquors and proteins, denatura teins, polysaccharides (e.g. methylcellulose), hydrophobically modified starch vinyl alcohol (Mowiol types Clariant), polycarboxylates (BASF AG, Sokalan tyl yalkoxylates, polyvinylamine (BASF AG, Lupamine types), polyethyleneimine AG, Lupasol types), polyvinylpyrrolidone and copolymers thereof.

Powders, materials for broadcasting and dusts can be prepared by mixing or the active ingredients together with a solid carrier.

Granules, for example coated granules, impregnated granules and homogene granules, can be prepared by binding the active ingredients to solid carriers. Aqueous use forms can be prepared from emulsion concentrates, suspension wettable powders or water-dispersible granules by adding water. To prepare esions, pastes or oil dispersions, the components of the compositions accordin invention either as such or dissolved in an oil or solvent, can be homogenized by means of a wetting agent, tackifier, dispersant or emulsifier. Alternatively, i possible to prepare concentrates comprising active compound, wetting agent, dispersant or emulsifier and, if desired, solvent or oil, which are suitable for di water.

In the formulation of the compositions according to the present invention the ϵ ingredients are present in suspended, emulsified or dissolved form. The formulaccording to the invention can be in the form of aqueous solutions, powders, sions, also highly-concentrated aqueous, oily or other suspensions or dispers aqueous emulsions, aqueous microemulsions, aqueous suspo-emulsions, oil sions, pastes, dusts, materials for spreading or granules.

The compositions of the invention can for example be formulated as follows:

10 1. Products for dilution with water

5

15

20

25

30

35

A Water-soluble concentrates (SL, LS)

10 parts by weight of active compound are dissolved in 90 parts by weight of water-soluble solvent. As an alternative, wetters or other adjuvants are added active compound dissolves upon dilution with water. This gives a formulation active compound content of 10% by weight.

B Dispersible concentrates (DC)

20 parts by weight of active compound are dissolved in 70 parts by weight of anone with addition of 10 parts by weight of a dispersant, for example polyvin done. Dilution with water gives a dispersion. The active compound content is weight

C Emulsifiable concentrates (EC)

15 parts by weight of active compound are dissolved in 75 parts by weight of ic solvent (eg. alkylaromatics) with addition of calcium dodecylbenzenesulfon castor oil ethoxylate (in each case 5 parts by weight). Dilution with water give emulsion. The formulation has an active compound content of 15% by weight

D Emulsions (EW, EO, ES)

25 parts by weight of active compound are dissolved in 35 parts by weight of ic solvent (eg. alkylaromatics) with addition of calcium dodecylbenzenesulfont castor oil ethoxylate (in each case 5 parts by weight). This mixture is introduct parts by weight of water by means of an emulsifier (e.g. Ultraturrax) and made homogeneous emulsion. Dilution with water gives an emulsion. The formulation active compound content of 25% by weight.

E Suspensions(SC, OD, FS)

In an agitated ball mill, 20 parts by weight of active compound are comminute addition of 10 parts by weight of dispersants and wetters and 70 parts by weight or an organic solvent to give a fine active compound suspension. Dilution gives a stable suspension of the active compound. The active compound conformulation is 20% by weight.

F Water-dispersible granules and water-soluble granules (WG, SG) 50 parts by weight of active compound are ground finely with addition of 50 parts by weight of dispersants and wetters and made into water-dispersible or water-suggranules by means of technical appliances (for example extrusion, spray tower ized bed). Dilution with water gives a stable dispersion or solution of the activation pound. The formulation has an active compound content of 50% by weight.

G Water-dispersible powders and water-soluble powders (WP, SP, SS, W 75 parts by weight of active compound are ground in a rotor-stator mill with ac 25 parts by weight of dispersants, wetters and silica gel. Dilution with water gi stable dispersion or solution of the active compound. The active compound of the formulation is 75% by weight.

H Gel formulations (GF)

5

10

15

25

35

In a ball mill, 20 parts by weight of active compound, 10 parts by weight of dis 1 part by weight of gelling agent and 70 parts by weight of water or of an orga vent are mixed to give a fine suspension. Dilution with water gives a stable su with active compound content of 20% by weight.

2. Products to be applied undiluted

- I Dusts (DP, DS)
- 5 parts by weight of active compound are ground finely and mixed intimately v 95 parts by weight of finely divided kaolin. This gives a dusting powder with a compound content of 5% by weight.
 - J Granules (GR, FG, GG, MG)
 - 0.5 parts by weight of active compound are ground finely and associated with 99.5 parts by weight of carriers. Current methods here are extrusion, spray-dr the fluidized bed. This gives granules to be applied undiluted with an active α content of 0.5% by weight.
 - K ULV solutions (UL)

10 parts by weight of active compound are dissolved in 90 parts by weight of ic solvent, for example xylene. This gives a product to be applied undiluted wi tive compound content of 10% by weight.

The concentrations of the active compounds in the ready-to-use preparations varied within wide ranges. In general, the formulations comprise from 0.001 to weight, preferably 0.01 to 95% by weight of at least one active compound. Th compounds are employed in a purity of from 90% to 100%, preferably 95% to (according to NMR spectrum).

31

In the ready-to-use preparations, i.e. in the compositions to be used according invention in the form of crop protection compositions, the components A and I present formulated jointly or separately in suspended, emulsified or dissolved The use forms depend entirely on the intended applications.

5

10

15

The components A and B can be formulated and applied jointly or separately, neously or in succession, before, during or after the emergence of the plants. separate application, the order of the application of the components A and B i importance. The only thing that is important is that the at least one active com A and B are present simultaneously at the site of action, i.e. are at the same t contact with or taken up by the plant to be controlled and/or safened.

A first embodiment of the invention relates to the use compositions in the form protection composition formulated as a 1-component composition comprising least one active component A, at least one further active component B and or least one safener C, and also a solid or liquid carrier and/or and, one or more tants, and, if desired, one or more further auxiliaries customary for crop protect compositions.

20 A second embodiment of the invention relates to compositions in the form of a protection composition formulated as a 2-component composition comprising formulation (component) comprising the at least one active component A, a so liquid carrier and, if appropriate, one or more surfactants, and a second comp comprising at least one further active component B, and optionally at least on 25 C, and a solid or liquid carrier and, if appropriate, and/or one or more surfacta where additionally both components may also comprise further auxiliaries cus for crop protection compositions.

The compositions to be used according to the invention are suitable as herbic 30 They are suitable as such or as an appropriately formulated composition. The tions according to the invention control vegetation on non-crop areas very effi especially at high rates of application. They act against broad-leafed weeds a weeds in corn crops without causing any significant damage to the crop plant: effect is mainly observed at low rates of application.

35

In the methods and uses according to the invention, it is principally of no important the methods and uses according to the invention, it is principally of no important the methods and uses according to the invention, it is principally of no important the methods and uses according to the invention, it is principally of no important the methods and uses according to the invention, it is principally of no important the invention of the invention whether the active compounds of components A and B are formulated and ac jointly or separately and in which order application is carried out in the case or application.

In crop protection products, it is desirable in principle to increase the specificit reliability of the action of active compounds. In particular, it is desirable for the protection product to control the harmful plants effectively and, at the same tir tolerated by the useful plants in question. It is known that in some cases bette plant compatibility can be achieved by joint application of specifically acting he with organic active compounds, which act as antidotes or antagonists. Owing fact that they can reduce or even prevent damage to the crop plants, they are ferred to as safeners.

10

5

It is therefore a further object of the present invention to provide herbicidal collinos, which are highly active against unwanted harmful plants, and, at the sail the compositions should have good compatibility with useful plants. In addition compositions according to the invention should have a broad spectrum of acti

15

This object is also achieved by the herbicidal active compositions comprising one herbicide A as defined herein and at least one fungicide B as defined her

20

The crop protection compositions comprise an herbicidally effective amount o composition according to the invention, i.e. at least one herbicide A or an agri useful salt thereof and at least one further active compound B, and also auxili tomary for formulating crop protection agents as defined herein.

25

The required application rate of pure active compound composition, i.e. A anc appropriate, C without formulation auxiliaries depends on the composition of t stand, on the development stage of the plants, on the climatic conditions at th use and on the application technique. In general, the application rate of A anc 0.001 to 3 kg/ha, preferably from 0.005 to 2.5 kg/ha and in particular from 0.0 kg/ha of active substance (a.s.).

30

The required application rates of the herbicide A are generally in the range of 0.0005 kg/ha to 2.5 kg/ha and preferably in the range of from 0.005 kg/ha to 2 0.01 kg/ha to 1.5 kg/h of a.s.

35

The required application rates of the fungicide B are generally in the range of 0.0005 kg/ha to 2.5 kg/ha and preferably in the range of from 0.005 kg/ha to 2 0.01 kg/ha to 1.5 kg/h of a.s.

33

The required application rates of the optional safener C are generally in the rafrom 0.0005 kg/ha to 2.5 kg/ha and preferably in the range of from 0.005 kg/h kg/ha or 0.01 kg/ha to 1.5 kg/h of a.s.

The compositions according to the invention are applied to the plants mainly to ing the leaves. Here, the application can be carried out using, for example, we carrier by customary spraying techniques using spray liquor amounts of from to 1000 l/ha (for example from 300 to 400 l/ha). The herbicidal compositions robe applied by the low-volume or the ultra-low-volume method, or in the form corogranules.

Application of the herbicidal compositions according to the present invention of done before, during and/or after, preferably during and/or after, the emergence undesirable plants.

The herbicidal compositions according to the present invention can be applied post-emergence or together with the seed of a crop plant. It is also possible to the compounds and compositions by applying seed, pretreated with a composition the invention, of a crop plant. If the active compounds A and B and, if appropriate less well tolerated by certain crop plants, application techniques may be unwhich the herbicidal compositions are sprayed, with the aid of the spraying ec in such a way that as far as possible they do not come into contact with the lethe sensitive crop plants, while the active compounds reach the leaves of und plants growing underneath, or the bare soil surface (post-directed, lay-by).

15

20

25

30

35

In a further embodiment, the composition to be used according to the inventic applied by treating seed. The treatment of seed comprises essentially all proc familiar to the person skilled in the art (seed dressing, seed coating, seed dus soaking, seed film coating, seed multilayer coating, seed encrusting, seed drip seed pelleting) based on the compounds of the formula I according to the inverthe compositions prepared therefrom. Here, the herbicidal compositions can be diluted or undiluted.

The term seed comprises seed of all types, such as, for example, corns, seed tubers, seedlings and similar forms. Here, preferably, the term seed describes and seeds.

The seed used can be seed of the corn plants mentioned above, but also the transgenic plants or plants obtained by customary breeding methods.

PCT/EP2013/053944

The rates of application of the active compound are from 0.0001 to 3.0, prefer to 1.0 kg/ha of active substance (a.s.), depending on the control target, the se target plants and the growth stage. To treat the seed, the compounds I are ge employed in amounts of from 0.001 to 10 kg per 100 kg of seed.

5

10

15

20

25

30

35

Moreover, it may be advantageous to apply the compositions of the present ir on their own or jointly in combination with other crop protection agents, for eximith agents for controlling pests or phytopathogenic fungi or bacteria or with g active compounds which regulate growth. Also of interest is the miscibility witl salt solutions which are employed for treating nutritional and trace element decies. Non-phytotoxic oils and oil concentrates can also be added.

The herbicidal effect of the compositions to be used according to the present comprising at least an herbicide A and a fungicide B, and optionally one or moreover. C, on the growth of undersirable plants and the safening action on crop demonstrated by the following greenhouse experiments:

The culture containers used were plastic pots containing loamy sand with apply 3.0% of humus as substrate. The seeds of the test plants were sown separeach species.

For the pre-emergence treatment, the active compounds, suspended or emulwater, were applied directly after sowing by means of finely distributing nozzle containers were irrigated gently to promote germination and growth and subscovered with transparent plastic hoods until the plants had rooted. This cover uniform germination of the test plants unless this was adversely affected by the compounds.

For the post-emergence treatment, the test plants were grown to a plant heigl 3 to 15 cm, depending on the plant habit, and only then treated with the active pounds which had been suspended or emulsified in water. To this end, the test were either sown directly, and grown in the same containers, or they were first separately as seedlings and transplanted into the test containers a few days preatment.

Depending on the species, the plants were kept at 10 - 25°C and 20 - 35°C, rely. The test period extended over 2 to 4 weeks. During this time, the plants we and their response to the individual treatments was evaluated.

Evaluation was carried out using a scale from 0 to 100. 100 means no emerging the plants, or complete destruction of at least the above-ground parts, and 0 r damage or normal course of growth. Good herbicidal activity is given at value least 70, and very good herbicidal activity is given at values of at least 85.

The respective stated components A and B, and if appropriate, C were formul 10% by weight strength emulsion concentrate and, with addition of the amour vent system, introduced into the spray liquor used for applying the active com the examples, the solvent used was water.

The test period extended over 20 and 21 days, respectively. During this time, were tended, and their reaction to the treatment with active compound was m

10 In the examples below, using the method of S. R. Colby (1967) "Calculating s and antagonistic responses of herbicide combinations", Weeds 15, p. 22ff., th E, which is expected if the activity of the individual active compounds is only ε was calculated.

15
$$E = X + Y - (X \cdot Y/100)$$

where

X = percent activity using active compound A at an application rate a;

Y = percent activity using active compound B at an application rate b;

E = expected activity (in %) by A + B at application rates a + b.

20

25

30

5

If the value found experimentally is higher than the value E calculated accordi Colby, a synergistic effect is present.

In all uses and methods of the present invention the compositions preferably the at least one compound A and the at least one compound B in synergistical tive amounts, i.e. in a weight ratio of A and B such that a synergistic effect take. This means that the relative amount, i.e. the weight ratio of the at least one condition A and the at least one compound B in the composition provides for an increase cidal efficacy on at least one weed which exceeds the additive herbicidal efficient compounds of the composition as calculated from the herbicidal efficacy of the ual compounds at a given application rate. The calculation of the additive efficient be performed e.g. by Colby's formula (Colby, S.R. "Calculating synergistic and nistic responses of herbicide Combinations", Weeds, 15, 20-22, 1967). Syner present if the observed efficacy is greater than the calculated efficacy.

35

To ensure synergism, the at least one compound of the formula A and the at I compound B are preferably present in the compositions of the present inventitotal weight ratio of from 100:1 to 1:100, more preferably from 50:1 to 1:50, ex

WO 2013/127863 PCT/EP2013/053944 36

preferably from 20:1 to 1:20, and in particular from 10:1 to 1:10, e.g. from 5:1 from 3:1 to 1:3 or from 2:1 to 1:2.

Claims

- 1. The use of an agrochemical composition comprising
 - A) at least one herbicide A selected from

5

A.a) acetylCoA carboxylase inhibitors (ACC inhibitors) selected f clethodim, cycloxydim, fenoxaprop, fenoxaprop-P, fluazifop, P, haloxyfop, haloxyfop-P, quizalofop, quizalofop-P, sethoxy tepraloxydim;

10

A.b) acetolactate synthase inhibitors (ALS inhibitors) selected fro rasulam, flumetsulam, foramsulfuron, halosulfuron, iodosulfu osulfuron, primisulfuron, prosulfuron, rimsulfuron, thiencarbatritosulfuron;

٠.

A.c) 4-hydroxyphenylpyruvate-dioxygenase (HPPD inhibitors) se from bicyclopyrone, isoxaflutole, mesotrione, sulcotrione, ter and topramezone;

15

A.d) protoporphyrinogen oxidase (PPO) inhibitors selected from zone-ethyl, flumioxazin, saflufenacil and 1,5-dimethyl-6-thio; (2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2H-benzo[koxazin-6-yl)-1,3,5-triazinane-2,4-dione (CAS 1258836-72-4)

20

- A.e) photosynthetic electron transport inhibitors at the photosyste ceptor site selected from bentazone and bromoxynil; and
- A.f) the auxin transport inhibitor diflufenzopyr;

and their agriculturally acceptable salts esters and amides;

25

and

an

B) at least one fungicide B selected from

30

B.a) inhibitors of complex III at Q_o site selected from azoxystrobir methoxystrobin, coumoxystrobin, dimoxystrobin, enestrobur fenaminstrobin, fenoxystrobin/flufenoxystrobin, fluoxastrobir im-methyl, metominostrobin, picoxystrobin, pyraclostrobin, pstrobin, pyraoxystrobin, trifloxystrobin, 2-[2-(2,5-dimethylphe oxymethyl)phenyl]-3-methoxy-acrylic acid methyl ester, 2-(2 dichlorophenyl)-1-methyl-allylideneaminooxymethyl)-phenyl, methoxyimino-N-methyl-acetamide, pyribencarb and triclopy ricarb/chlorodincarb; and

35

B.b) inhibitors of complex II selected from bixafen, boscalid, carb fluopyram, fluxapyroxad, isopyrazam, penflufen, penthiopyra

sedaxane and 3-difluoromethyl-1-methyl-1H-pyrazole-4-cart id (9-dichloromethylene-1,2,3,4-tetrahydro-1,4-methano-nap 5-yl)-amide;

- 5 for controlling undesired vegetation in corn cultures.
- The use as claimed in claim 1, where the at least one herbicide A is self from clethodim, cycloxydim, sethoxydim, tepraloxydim, foramsulfuron, n ron, rimsulfuron, bicyclopyrone, isoxaflutole, mesotrione, tembotrione, to zone, flumioxazin, saflufenacil, 1,5-dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-(prop-2-ynyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-7 (CAS 1258836-72-4), bentazone, diflufenzopyr; and their agriculturally a ble salts, esters and amides.
- The use as claimed in claim 2, where the at least one herbicide A is self from clethodim, cycloxydim, sethoxydim, tepraloxydim, nicosulfuron, bic rone, mesotrione, tembotrione, topramezone, flumioxazin, saflufenacil, dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-ynyl)-3,4-dihydro-2-benzo[b][1,4]oxazin-6-yl)-1,3,5-triazinane-2,4-dione (CAS 1258836-72-4 zone; and their agriculturally acceptable salts, esters and amides.
 - 4. The use as claimed in any of the preceding claims, where the at least or cide is selected from azoxystrobin, dimoxystrobin, kresoxim-methyl, picoxystrobin, pyraclostrobin, trifloxystrobin, bixafen, boscalid, carboxin, roxad, isopyrazam, penflufen, penthiopyrad, sedaxane and 3-difluorome methyl-1H-pyrazole-4-carboxylic acid (9-dichloromethylene-1,2,3,4-tetra 1,4-methano-naphthalen-5-yl)-amide.

25

- 5. The use as claimed in claim 4, where the at least one fungicide is select azoxystrobin, dimoxystrobin, kresoxim-methyl, pyraclostrobin, trifloxystrobixafen, boscalid, fluxapyroxad, isopyrazam and 3-difluoromethyl-1-met pyrazole-4-carboxylic acid (9-dichloromethylene-1,2,3,4-tetrahydro-1,4-naphthalen-5-yl)-amide.
- 35 6. The use as claimed in any of the preceding claims, where the at least or cide A and the at least one fungicide B are used in synergistically effect amounts.

39

7. A method for controlling undesired vegetation in corn cultures, which me comprises allowing an effective amount of an agrochemical composition fined in any of claims 1 to 6 to act on the corn plants or parts thereof an environment where the corn cultures grow or are to grow.

5

- 8. The use as claimed in any of claims 1 to 6 or the method as claimed in where the corn plant is an herbicide tolerant plant.
- 9. The use or method as claimed in claim 8, where the corn plant is tolerar herbicides selected from the group of acetylCoA carboxylase inhibitors, tate synthase inhibitors (ALS inhibitors), auxinic herbicides, EPSP synthitors and glutamine synthase inhibitors.
- 10. The use or method as claimed in claim 9, where the acetylCoA carboxyitor is sethoxydim.
 - 11. The use or method as claimed in claim 9, where the acetolactate synthator is selected from imazapic, imazapyr, imazethapyr and their agricultu ceptable salts.

20

30

- 12. The use or method as claimed in claim 9, where the auxinic herbicide is from 2,4-D, dicamba and their agriculturally acceptable salts, esters and
- 13. The use or method as claimed in claim 9, where the EPSP synthase in selected from glyphosate, sulfosate and their agriculturally acceptable s
 - 14. The use or method as claimed in claim 9, where the glutamine synthase is selected from glufosinate, bialafos and their agriculturally acceptable

INTERNATIONAL SEARCH REPORT

International application No PCT/EP2013/053944

	FICATION OF SUBJECT MATTER A01N61/00 A01P3/00 A01P13/0	00 A01P21/00	
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC	
	SEARCHED		
A01N	ocumentation searched (classification system followed by classification	on symbols)	
Documenta	tion searched other than minimum documentation to the extent that s	uch documents are included in the fields sea	arched
Electronic d	lata base consulted during the international search (name of data base	se and, where practicable, search terms use	ed)
EPO-In	ternal, BIOSIS, CHEM ABS Data, WPI	Data	
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.
A	US 2010/317520 A1 (IKEDA HAJIME AL) 16 December 2010 (2010-12-16 claims 1,2,7-19,21 examples 16,59,76; tables 13-18,22-25,28-31		1-14
А	DE 199 15 013 A1 (NOVARTIS AG [C 26 August 1999 (1999-08-26) page 2, lines 3-6,18-30 page 30, line 30 claims 1,7,25,26	H])	1-14
А	EP 0 614 607 A1 (ZENECA LTD [GB] 14 September 1994 (1994-09-14) page 2, lines 12-15,19-23 claims 1-5 example 1)	1-14
Furti	her documents are listed in the continuation of Box C.	X See patent family annex.	
"A" docume to be control of the cont	ent which may throw doubts on priority claim(s) or which is o establish the publication date of another citation or other al reason (as specified) ent referring to an oral disclosure, use, exhibition or other	"T" later document published after the inter date and not in conflict with the applicate the principle or theory underlying the in "X" document of particular relevance; the classifiered novel or cannot be considered novel or cannot be considered when the document is taken alon "Y" document of particular relevance; the classifiered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	ation but cited to understand invention laimed invention cannot be ered to involve an inventive e laimed invention cannot be o when the document is a documents, such combination
the pri	ority date claimed	"&" document member of the same patent f	•
	actual completion of the international search O April 2013	Date of mailing of the international sear	rch report
Name and r	mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Marie, Gérald	

International application No. PCT/EP2013/053944

INTERNATIONAL SEARCH REPORT

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searohable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-14(partially) Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the
payment of a protest payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14(partially)

The claimed subject-matter wherein the at least one herbicide A is selected from acetylCoA carboxylase inhibitors (ACC inhibitors) selected from clethodim, cycloxydim, fenoxaprop, fenoxaprop-P, fluazifop, fluazifop-P, haloxyfop, haloxyfop-P, quizalofop, quizalofop-P, sethoxydim and tepraloxydim and their agriculturally acceptable salts, esters and amides.

2. claims: 1-14(partially)

The claimed subject-matter wherein the at least one herbicide A is selected from acetolactate synthase inhibitors (ALS inhibitors) selected from florasulam, flumetsulam, foramsulfuron, halosulfuron, iodosulfuron, nicosulfuron, primisulfuron, prosulfuron, rimsulfuron, thiencarbazone and tritosulfuron and their agriculturally acceptable salts, esters and amides.

3. claims: 1-14(partially)

The claimed subject-matter wherein the at least one herbicide A is selected from 4-hydroxyphenylpyruvate-dioxygenase (HPPD inhibitors) selected from bicyclopyrone, isoxaflutole, mesotrione, sulcotrione, tembotrione and topramezone and their agriculturally acceptable salts, esters and amides.

4. claims: 1-14(partially)

The claimed subject-matter wherein the at least one herbicide A is selected from protoporphyrinogen oxidase (PPO) inhibitors selected from carfentrazone-ethyl, flumioxazin, saflufenacil and 1,5-dimethyl-6-thioxo-3-(2,2,7-trifluoro-3-oxo-4-(prop-2-yny 1)-3,4-dihydro-2H-benzo[b][1,4]-oxazin-6-yl)-1,3,5-triazinan e-2,4-dione (CAS 1258836-72-4) and their agriculturally acceptable salts, esters and amides.

5. claims: 1-14(partially)

The claimed subject-matter wherein the at least one herbicide A is selected from photosynthetic electron transport inhibitors at the photosystem II receptor site selected from bentazone and bromoxynil and their agriculturally acceptable salts, esters and amides.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

6. claims: 1, 2, 4-14(all partially)

The claimed subject-matter wherein the at least one herbicide A is the auxin transport inhibitor diflufenzopyr and its agriculturally acceptable salts, esters and amides.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2013/053944

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2010317520	A1	16-12-2010	NONE		
DE 19915013	Α1	26-08-1999	NONE		
EP 0614607	A1	14-09-1994	DE DE DK EP	69411297 D1 69411297 T2 0614607 T3 0614607 A1	06-08-1998 05-11-1998 12-04-1999 14-09-1994