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(54) Title: FORMULATIONS OF METAL AND ASCORBIC ACID COMPLEXES, THEIR OBTAINING AND USE

(57) Abstract: The object of the invention is a formulation of metal and ascorbic acid complexes of the general formula $MO(OH)_z(Asc)_x \cdot yH_2O$, in a solid form, where: M is a metal that is titanium or vanadium; Asc represents $C_6H_7O_6$; x is an integer from 1 to 4; y is an integer from 0 to 5; z is 0 or 1; molar ratio of M to Asc is from 1:1 to 1:4, with one or more agriculturally acceptable substances selected from excipients, carriers, other active agents. The object of the invention is also a method for obtaining these formulations and the use thereof. The object of the invention is also the use of the complex as described above, for the preparation of formulations used in the cultivation of plants.



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A. CLASSIFICATION OF SUBJECT MATTER					
INV.	A01N43/08	A01N63/00	A01N59/16	A01P3/00	A01P7/00
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B. FIELDS SEARCHED
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	pages 11-12; claims 1, 5, 11, 13, 14-16; example 3	15,24
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A	page 3, lines 1-14; claim 3 page 3, line 23 - page 4, line 3 page 12, lines 3-12	15,24
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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A	paragraphs [0021] - [0030]; claims 19-20; examples 1-5	15,24
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