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— 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))

[Continued on next page]

(54) Title: METHOD AND FERTILIZER COMPOSITIONS FOR TREATING A PLANT AND PLANT GROWTH MEDIUM

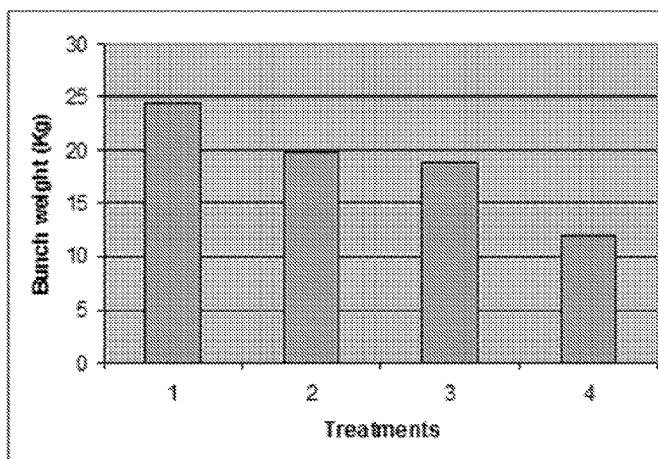


FIG. 1

(57) Abstract: Disclosed herein is a method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant; wherein the plant comprises one or more of a date palm, a citrus plant, a fig plant, a mango plant, or an olive plant; wherein the fertilizer composition comprises nitrogen, phosphorus, and potassium (NPK) in various grades, including in the range of about 10-24:5-12:10-24.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A01N59/00 A01N59/26 A01N59/02 A01P21/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01N

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)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	H. Dialami ET AL: "INCREASING YIELD AND FRUIT QUALITY OF 'SAYER' DATE PALM WITH APPLICATION OF OPTIMUM LEVELS OF NITROGEN, PHOSPHORUS AND POTASSIUM", 31 December 2010 (2010-12-31), pages 45-51, XP055252224, Retrieved from the Internet: URL:http://www.iraqi-datepalms.net/Uploadfile/MagazineDatePalms68.pdf [retrieved on 2016-02-22]	1-6,8-12
Y	Materials and methods; page 46 pages 50-51; tables 3, 4 ----- -/-	7,13-16



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"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

"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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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2015/059854

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:

1. ☐ 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

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable 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.:

1-16(partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the 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.

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2015/059854

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	J Saleh: "Decreasing the Intensity of Date Bunch Wilt and Dry Disorder (DBWD) by Using Balanced Proportions of Nutrient Elements", J. Agr. Sci. Tech, 12 July 2009 (2009-07-12), pages 323-329, XP055252880, Retrieved from the Internet: URL: http://jast.modares.ac.ir/pdf_4314_6d0c58f443bea61c6c3902bd16bbbbd8.htm [retrieved on 2016-02-25]	1-16
Y	pages 326-327; tables 2, 3 -----	7,13-16
X	M. M. IBRAHIM ET AL: "Effect of NPK and biofertilizer on date palm trees grown in Siwa Oasis, Egypt", SOIL USE AND MANAGEMENT, vol. 29, no. 3, 14 March 2013 (2013-03-14) , pages 315-321, XP055251542, GB	1-6,8-12
Y	ISSN: 0266-0032, DOI: 10.1111/sum.12042 abstract tables 2-5 -----	7,13-16

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-16(partially)

A method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant, wherein the fertilizer composition comprises nitrogen, phosphate, and potassium in a range of 1.5-2.5:1:1.5-2.5 and wherein the plant is a date palm.

2. claims: 1-16(partially)

A method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant, wherein the fertilizer composition comprises nitrogen, phosphate, and potassium in a range of 1.5-2.5:1:1.5-2.5 and wherein the plant is a citrus plant.

3. claims: 1-16(partially)

A method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant, wherein the fertilizer composition comprises nitrogen, phosphate, and potassium in a range of 1.5-2.5:1:1.5-2.5 and wherein the plant is a fig plant.

4. claims: 1-16(partially)

A method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant, wherein the fertilizer composition comprises nitrogen, phosphate, and potassium in a range of 1.5-2.5:1:1.5-2.5 and wherein the plant is a mango plant.

5. claims: 1-16(partially)

A method for treating a plant comprising contacting a fertilizer composition with soil proximate to the plant, wherein the fertilizer composition comprises nitrogen, phosphate, and potassium in a range of 1.5-2.5:1:1.5-2.5 and wherein the plant is an olive plant.
