



(51) International Patent Classification:

A01N 27/00 (2006.01) A01P 21/00 (2006.01)
A01N 25/00 (2006.01)

(21) International Application Number:

PCT/US2014/016374

(22) International Filing Date:

14 February 2014 (14.02.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/766,184 19 February 2013 (19.02.2013) US

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(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, IR, IS, JP, KE, KG, 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, SA, 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, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))

(54) Title: METHODS FOR INCREASING CROP YIELD

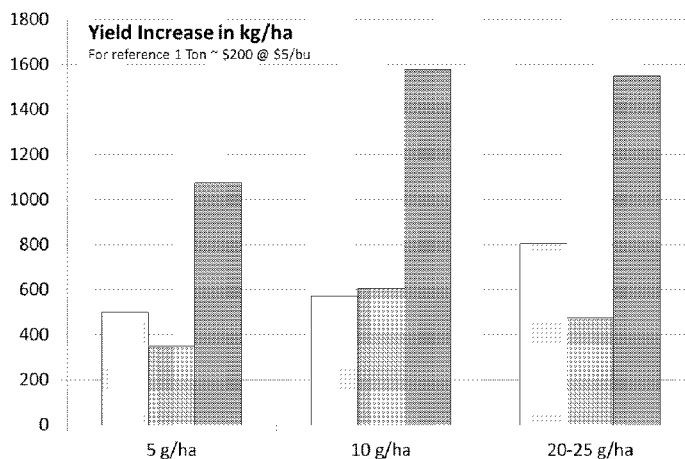


FIG. 1

(57) Abstract: The subject invention is based on unexpected more than additive effect of multiple applications of at least one cyclopropene on crop yield as compared to single applications. Provided are methods of increasing yield of a plant comprising contacting the plant with multiple applications of a cyclopropene. In one aspect, the method comprises (a) contacting the plant with a first composition comprising a cyclopropene; and (b) contacting the plant with a second composition comprising a cyclopropene; thereby increasing the yield of the plant in comparison to a plant not contacted with the first composition and/or the second composition. In another aspect, the method comprises contacting the plant with two or more separate applications of a composition comprising at least one cyclopropene thereby increasing the yield of the plant in comparison to a plant not treated or contacted with two or more separate applications of a composition comprising at least one cyclopropene.

