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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 October 2009 (15.10.2009)

PCT

(10) International Publication Number
WO 2009/126370 A1

(51) **International Patent Classification**:
A01N 43/04 (2006.01)

(21) **International Application Number**:
PCT/US2009/034484

(22) **International Filing Date**:
19 February 2009 (19.02.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/123,389 8 April 2008 (08.04.2008) US

(71) **Applicant** *(for all designated States except US)*: **BAYER CROPSCIENCE LP** [US/US]; Patent Department, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **REES, Richard** [US/US]; 2427 Scenic View Lane, Chapel Hill, NC 27516 (US). **HANRAHAN, Richard, K.** [US/US]; 100 East Palisade Avenue, C-42, Englewood, NJ 07631 (US). **VANDENBERG, Ed** [CA/CA]; 135 Milson Crescent, Guelph, Ontario, N1C 1G5 (CA).

(74) **Agent**: **PROKOPETZ, Andrew, T.**; Bayer CropScience LP, Patent Department 2 T.W. Alexander Drive, Research Triangle Park, NC 27709 (US).

(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, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, 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))*

WO 2009/126370 A1

(54) **Title**: COMPOSITION AND SYSTEM FOR TURF MAINTENANCE

(57) **Abstract**: The present invention provides an agricultural composition comprising a plant growth regulator and a pigment that provides reduced phytotoxicity as compared to an equivalent application of the plant growth regulator alone. The composition can further include a fungicide. A system for turf management as well as methods for enhancing turf are also provided.