Title (en)

METHODS OF IMPROVING THE YIELD OF 2,4-D RESISTANT CROP PLANTS

Title (de)

VERFAHREN ZUR ERHÖHUNG DES ERTRAGS VON 2,4-D-RESISTENTEN NUTZPFLANZEN

Title (fr)

MÉTHODES AMÉLIORANT LE RENDEMENT DE PLANTS CULTIVÉS RÉSISTANTS AU 2,4-D

Publication

EP 2870249 A2 20150513 (EN)

Application

EP 13799831 A 20130607

Priority

- US 201261656546 P 20120607
- US 2013044717 W 20130607

Abstract (en)

[origin: WO2013185036A2] This invention is related to methods for improving plant height and/or yield of crop plants which are resistant to herbicide 2,4-D by treating the plants with 2,4-D at application rates which are not harmful to the plants. In particular, provided is a method using 2,4-D application to increase yield of crop plants which express AAD-12 gene for 2,4-D resistance. The method provided is of particular interest for the treatment of crops plants including maize, soybean, spring and winter oil seed rape (canola), sugar beet, wheat, sunflower, barley, and rice.

IPC 8 full level

A01N 39/04 (2006.01); **C12N 15/82** (2006.01)

CPC (source: CN EP KR RU)

A01G 7/06 (2013.01 - CN); **A01N 37/10** (2013.01 - KR); **A01N 39/02** (2013.01 - KR); **A01N 39/04** (2013.01 - CN EP); **A01N 57/20** (2013.01 - CN); **C12N 9/0069** (2013.01 - CN); **C12N 9/0071** (2013.01 - CN); **C12N 15/8274** (2013.01 - CN EP KR); **C12N 15/8275** (2013.01 - CN); A01N 37/10 (2013.01 - RU); C12N 15/82 (2013.01 - RU); Y02A 40/10 (2017.12 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013185036 A2 20131212; **WO 2013185036 A3 20150326**; AP 2014008144 A0 20141231; AR 091383 A1 20150128; AU 2013271455 A1 20150115; AU 2013271455 B2 20160929; BR 102013013974 A2 20150623; CA 2876144 A1 20131212; CL 2014003302 A1 20150227; CN 105472970 A 20160406; CN 105472970 B 20190201; CO 7151490 A2 20141229; EP 2870249 A2 20150513; EP 2870249 A4 20160302; HK 1206063 A1 20151231; HK 1219020 A1 20170324; IL 235993 A0 20150129; IN 10378DEN2014 A 20150814; JP 2015525218 A 20150903; JP 6175497 B2 20170802; KR 20150023643 A 20150305; MX 2014014960 A 20150706; MX 349380 B 20170726; NZ 702504 A 20161125; PH 12014502734 A1 20150202; RU 2014154063 A 20160727; RU 2628504 C2 20170817; TW 201410148 A 20140316; UA 113882 C2 20170327; UY 34850 A 20140131; ZA 201409115 B 20160831

DOCDB simple family (application)

US 2013044717 W 20130607; AP 2014008144 A 20130607; AR P130102019 A 20130607; AU 2013271455 A 20130607; BR 102013013974 A 20130606; CA 2876144 A 20130607; CL 2014003302 A 20141203; CN 201380041924 A 20130607; CO 14266617 A 20141203; EP 13799831 A 20130607; HK 15106705 A 20150714; HK 16107027 A 20160617; IL 23599314 A 20141130; IN 10378DEN2014 A 20141205; JP 2015516244 A 20130607; KR 20157000202 A 20130607; MX 2014014960 A 20130607; NZ 70250413 A 20130607; PH 12014502734 A 20141205; RU 2014154063 A 20130607; TW 102119723 A 20130604; UA A201500081 A 20130607; UY 34850 A 20130606; ZA 201409115 A 20141211