

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4070451

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES ALAN MORRIS	12/19/2014
JUTTA ELISABETH BOEHMER	12/22/2014
TIMOTHY ROBERT DESSON	12/19/2014
CLAIRE JANET RUSSELL	12/19/2014
ALAN JOSEPH HENNESSY	12/19/2014
MATTHEW BRIAN HOTSON	01/05/2015
RAVINDRA SONAWANE	01/05/2015
MANGALA PHADTE	01/05/2015
JAKE GOODWIN-TINDALL	02/04/2015
RECEIVING PARTY DATA	
Name:	SYNGENTA LIMITED
Street Address:	EUROPEAN REGIONAL CENTRE
Internal Address:	PRIESTLEY ROAD, SURREY RESEARCH PARK
City:	GUILDFORD, SURREY
State/Country:	UNITED KINGDOM
Postal Code:	GU2 7YH
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15107777
CORRESPONDENCE DATA	
Fax Number:	(336)632-6757
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	336.632-2238
Email:	global.patent@syngenta.com
Correspondent Name:	JAMES CUEVA
Address Line 1:	410 SWING ROAD
Address Line 4:	GREENSBORO, NORTH CAROLINA 27409
ATTORNEY DOCKET NUMBER:	80401-US-REG-ORG-P-1

NAME OF SUBMITTER:	ANDREA N. FULL
SIGNATURE:	/Andrea N. Full/
DATE SIGNED:	09/27/2016
<p>Total Attachments: 45</p> <p>source=WWA#page1.tif</p> <p>source=WWA#page2.tif</p> <p>source=WWA#page3.tif</p> <p>source=WWA#page4.tif</p> <p>source=WWA#page5.tif</p> <p>source=WWA#page6.tif</p> <p>source=WWA#page7.tif</p> <p>source=WWA#page8.tif</p> <p>source=WWA#page9.tif</p> <p>source=WWA#page10.tif</p> <p>source=WWA#page11.tif</p> <p>source=WWA#page12.tif</p> <p>source=WWA#page13.tif</p> <p>source=WWA#page14.tif</p> <p>source=WWA#page15.tif</p> <p>source=WWA#page16.tif</p> <p>source=WWA#page17.tif</p> <p>source=WWA#page18.tif</p> <p>source=WWA#page19.tif</p> <p>source=WWA#page20.tif</p> <p>source=WWA#page21.tif</p> <p>source=WWA#page22.tif</p> <p>source=WWA#page23.tif</p> <p>source=WWA#page24.tif</p> <p>source=WWA#page25.tif</p> <p>source=WWA#page26.tif</p> <p>source=WWA#page27.tif</p> <p>source=WWA#page28.tif</p> <p>source=WWA#page29.tif</p> <p>source=WWA#page30.tif</p> <p>source=WWA#page31.tif</p> <p>source=WWA#page32.tif</p> <p>source=WWA#page33.tif</p> <p>source=WWA#page34.tif</p> <p>source=WWA#page35.tif</p> <p>source=WWA#page36.tif</p> <p>source=WWA#page37.tif</p> <p>source=WWA#page38.tif</p> <p>source=WWA#page39.tif</p> <p>source=WWA#page40.tif</p> <p>source=WWA#page41.tif</p> <p>source=WWA#page42.tif</p> <p>source=WWA#page43.tif</p>	

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BE IT KNOWN that I, STEPHEN DAVID FINN of 31 Amersham Hill Drive
High Wycombe Buckinghamshire United Kingdom a duly authorised Notary
Public

CERTIFY that:

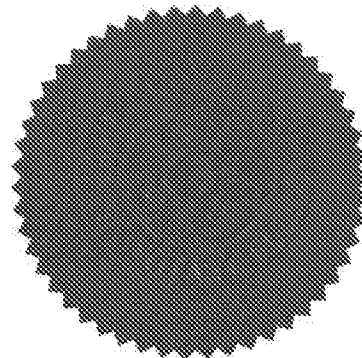
- 1 the Inventors' signatures set and subscribed to the foot of the
Assignment annexed hereto are genuine being that of the inventors
James Alan Morris, Jutta Elisabeth Boehmer, Timothy Robert Desson,
Claire Janet Russell, Alan Joseph Hennessy, Mathew Brian Hotson,
whose identities I the Notary attest, and
- 2 the signatures set and subscribed at the foot of the hereunto annexed
document on behalf of Syngenta Participations AG are genuine having
been subscribed thereto by Clare Dowling and Carole Kernott whose
identities I the Notary also attest and that they are authorised acting
jointly to act in this matter by Syngenta Participations AG as its duly
appointed Attorney.

SIGNED and sealed at 31 Amersham Hill Drive aforesaid on 23rd February
2015



Stephen David Finn
Notary Public
England and Wales

Protocol No. 9319//



**ASSIGNMENT –
PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

MORRIS, James Alan
Syngenta Limited
Jealott's Hill International Research Centre
Bracknell
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RG42 6EY
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Citizenship: Great Britain
Country of Residence: Great Britain

BOEHMER, Jutta Elisabeth
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Great Britain
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Country of Residence: Great Britain

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Corlim, Ilhas
403 110
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GOODWIN-TINDALL, Jake
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Berkshire
RG42 6EY
Great Britain
Citizenship: Great Britain
Country of Residence: Great Britain

PHADTE, Mangala
Syngenta Biosciences Pvt.Limited,
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Citizenship: India
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SYNGENTA LIMITED, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, GU2 7YH, Great Britain AND

SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries and including members of the Patent Cooperation Treaty (PCT) in and to

(1) all inventions and discoveries described in Syngenta Patent Family **80401**

including those described in **HERBICIDAL COMPOUNDS**, and including, but not limited to, the following filings:

Country / Application Number / Filing Date
IN/3737/DEL/2013/23 Dec 2013

(2) said invention and provisional and/or priority application and in and to any and all subsequent patent applications which claim the benefit of priority from said provisional and/or priority application including regular utility, continuations, and continuations-in-part, or divisions thereof;

(3) said invention in and to any said patent application for United States Letters Patent(s) and foreign countries relating to all patent application(s) filed in respect of the invention, including all divisional, renewal, substitute, reissues, continuation, non-provisional(s), International Patent Application(s);

(4) all national phase patent applications of said International Patent Application(s);

(5) all continuations (including continuation-in-parts, Convention applications, divisions of all of said patent application(s) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(5) hereinafter referred to collectively as "patent applications");

- (6) all patents that are granted on any of said patent applications;
- (7) all registrations and confirmations of and importation certificates based on one or more of said patents;
- (8) all substitutes, reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and on said patents;
- (9) every priority right and right to claim priority that is or may be predicated upon or arise from said inventions, said patent applications and said patents;

said Assignee being hereby authorized to file patent applications in any or all countries to any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under any international patent treaty (e.g. Patent Cooperation Treaty, Paris Convention, etc.) or otherwise; all Patent Offices (U.S. and foreign) being hereby authorized to issue or transfer all said patents to said Assignee in accordance herewith;

this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will to all acts reasonably serving to ensure that the said inventions, patent applications and patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of any Patent and Trademark Office for recordation of this Assignment.

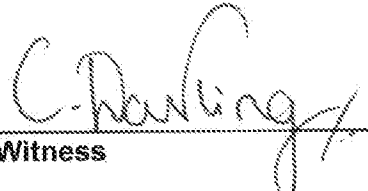
Syngenta Reference: 80401-WO-REG-ORG-P-1

Inventor's name and signature /
Inventors' names and signatures
& Date of signing

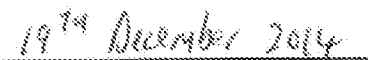


MORRIS, James Alan

Witness' name and signature /
Witnesses' names and signatures
& Date of signing



Witness



Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

J. B. B.
BOEHMER, Jutta Elisabeth

C. Darling
Witness

21st December 2014
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

T. DeSSon
DESSON, Timothy Robert

C. Darling
Witness

10/11/14 December 2014
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

SONAWANE, Ravindra

Witness

Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

Claire Russell
RUSSELL, Claire Janet

C. Dawling
Witness

19th December 2014
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

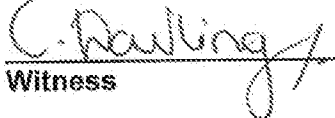
C. Hennessy
HENNESSY, Alan Joseph

Alan Hennessy
Witness

19th December 2014
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1


HOTSON, Matthew Brian


Witness

5th January 2015
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

GOODWIN-TINDALL, Jake

Witness

Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

PHADTE, Mangala

Witness

Date

Applicant's signature/Applicants' signatures

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:


DOWLING, Clare

Title:

Authorised Signatory, Syngenta Participations AG

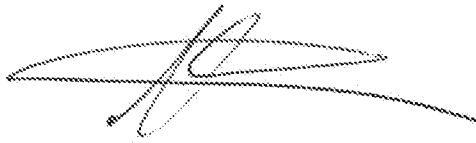
Date:

10 December 2014

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:



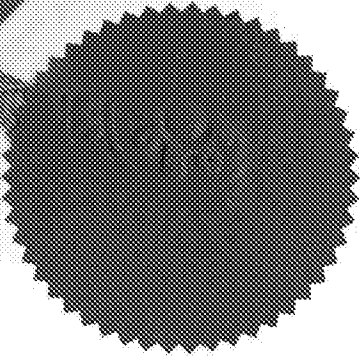
KERNOTT, Carole

Title:

Authorised Signatory, Syngenta Participations AG

Date:


10 December 2014



BE IT KNOWN that I, STEPHEN DAVID FINN of 31 Amersham Hill Drive
High Wycombe Buckinghamshire United Kingdom a duly authorised Notary
Public

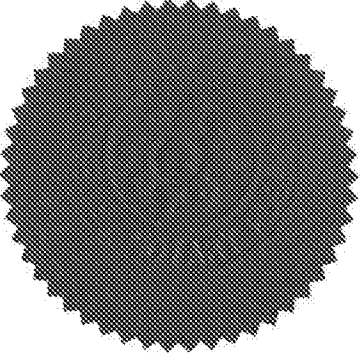
CERTIFY that the signatures set and subscribed at the foot of the hereunto
annexed document on behalf of Syngenta Participations AG are genuine
having been subscribed thereto by Clare Dowling and Carole Kernott whose
identities I the Notary also attest and that they are authorised acting jointly to
act in this matter by Syngenta Participations AG as its duly appointed
Attorney.

SIGNED and sealed at 31 Amersham Hill Drive aforesaid on 23rd February
2015



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England and Wales

Protocol No. 9319/S



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Citizenship: India
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SYNGENTA LIMITED, European Regional Centre, Priestley Road, Surrey Research
Park, Guildford, GU2 7YH, Great Britain AND

SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel,
Switzerland

its successors and assigns, the entire right, title and interest, so far as concerns the
United States and the Territories and Possessions thereof and all foreign countries and
including members of the Patent Cooperation Treaty (PCT) in and to

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to, the following filings:

Country / Application Number / Filing Date
IN/3737/DEL/2013/23 Dec 2013

(2) said invention and provisional and/or priority application and in and to any and all
subsequent patent applications which claim the benefit of priority from said provisional
and/or priority application including regular utility, continuations, and continuations-in-
part, or divisions thereof;

(3) said invention in and to any said patent application for United States Letters
Patent(s) and foreign countries relating to all patent application(s) filed in respect of the
invention, including all divisional, renewal, substitute, reissues, continuation, non-
provisional(s), International Patent Application(s);

(4) all national phase patent applications of said International Patent Application(s);

(5) all continuations (including continuation-in-parts, Convention applications, divisions
of all of said patent application(s) (including further continuations and divisions such as,
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- (9) every priority right and right to claim priority that is or may be predicated upon or arise from said inventions, said patent applications and said patents;

said Assignee being hereby authorized to file patent applications in any or all countries to any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under any international patent treaty (e.g. Patent Cooperation Treaty, Paris Convention, etc.) or otherwise; all Patent Offices (U.S. and foreign) being hereby authorized to issue or transfer all said patents to said Assignee in accordance herewith;

this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will to all acts reasonably serving to ensure that the said inventions, patent applications and patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of any Patent and Trademark Office for recordation of this Assignment.

Syngenta Reference: 80401-WO-REG-ORG-P-1

Inventor's name and signature /
Inventors' names and signatures
& Date of signing

Witness' name and signature /
Witnesses' names and signatures
& Date of signing

MORRIS, James Alan

Witness

Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

BOEHMER, Jutta Elisabeth

Witness

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DESSON, Timothy Robert

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Date

MPhadte
PHADTE, Mangala

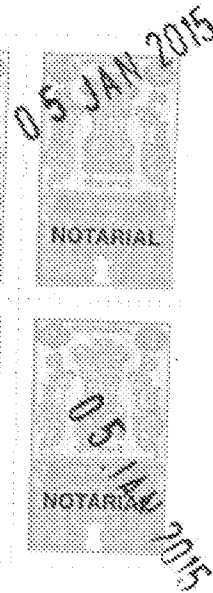
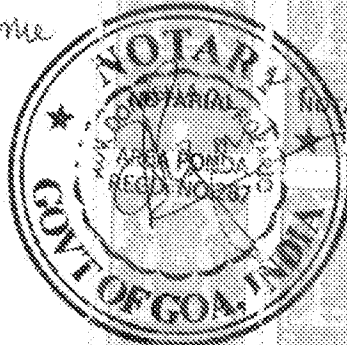
[Signature]
Witness

5th January 2015
Date

EXECUTED BEFORE ME
BY Mangala Phadte

WHICH I ATTEST signed before me

[Signature]
Adv. Ms DONAELLA DO ROZARIO
NOTARY PONDA
3rd, VARADH APPT.,
Nº, CORPORATION BANK
SHANTINAGAR, PONDA, GOA 403 401
Reg No: 652/2015
Place: Ponda
Dated: 5/1/2015



Applicant's signature/Applicants' signatures

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:


DOWLING, Clare

Title:

Authorised Signatory, Syngenta Participations AG

Date:

5 January 2015

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:

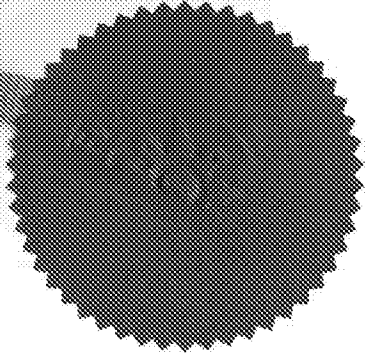

KERNOTT, Carole

Title:

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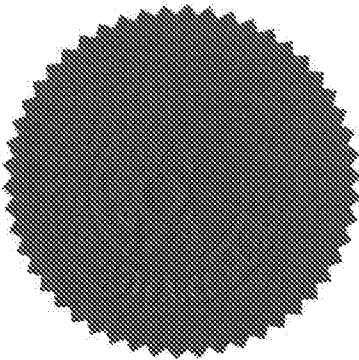
- 1 the Inventor's signature set and subscribed to the foot of the
Assignment annexed hereto is genuine being that of Jake Goodwin-
Tindall whose identity I the Notary attest, and
- 2 the signatures set and subscribed at the foot of the hereunto annexed
document on behalf of Syngenta Participations AG are genuine having
been subscribed thereto by Clare Dowling and Carole Kernott whose
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jointly to act in this matter by Syngenta Participations AG as its duly
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(3) said invention in and to any said patent application for United States Letters Patent(s) and foreign countries relating to all patent application(s) filed in respect of the invention, including all divisional, renewal, substitute, reissues, continuation, non-provisional(s), International Patent Application(s);

(4) all national phase patent applications of said International Patent Application(s);

(5) all continuations (including continuation-in-parts, Convention applications, divisions of all of said patent application(s) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(5) hereinafter referred to collectively as "patent applications");

- (6) all patents that are granted on any of said patent applications;
- (7) all registrations and confirmations of and importation certificates based on one or more of said patents;
- (8) all substitutes, reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and on said patents;
- (9) every priority right and right to claim priority that is or may be predicated upon or arise from said inventions, said patent applications and said patents;

said Assignee being hereby authorized to file patent applications in any or all countries to any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under any international patent treaty (e.g. Patent Cooperation Treaty, Paris Convention, etc.) or otherwise; all Patent Offices (U.S. and foreign) being hereby authorized to issue or transfer all said patents to said Assignee in accordance herewith;

this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will to all acts reasonably serving to ensure that the said inventions, patent applications and patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of any Patent and Trademark Office for recordation of this Assignment.

Inventor's name and signature /
Inventors' names and signatures
& Date of signing

Witness' name and signature /
Witnesses' names and signatures
& Date of signing

MORRIS, James Alan

Witness

Date

Syngenta Reference: 80401-WO-REG-OR

~~BOEHMER, Jutta Elisabeth~~

~~Witness~~

~~Date~~

Syngenta Reference: 80401-WO-REG-ORG-P-1

DESSON, Timothy Robert

Witness

Date

Syngenta Reference: 80401-WO-REG-OR

SONAWANE, Ravindra

Witness

Date

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RUSSELL, Claire Janet

Witness

Date

Syngenta Reference: 80401-WO-REG-OK

HENNESSY, Alan Joseph

Witness

Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

HOTSON, Matthew Brian

Witness

Date


GOODWIN-TINDALL, Jake


Witness
Matt Nodell

FOURTH FEBRUARY 2015
Date

Syngenta Reference: 80401-WO-REG-ORG-P-1

PHADTE, Mangala

Witness

Date

Applicant's signature/Applicants' signatures

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:


DOWLING, Clare

Title:

Authorised Signatory, Syngenta Participations AG


Date:

4 February 2015

SYNGENTA PARTICIPATIONS AG

Signature:

Printed Name:


KERNOTT, Carole

Title:

Authorised Signatory, Syngenta Participations AG

Date:

4 February 2015