

SUMMARY

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STUDY TITLE

Event Sorting and Selection Process for the Development of DAS-444Ø6-6

DATA REQUIREMENTS

Not Applicable

AUTHOR(S)

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STUDY COMPLETED ON

April 19, 2011

PERFORMING LABORATORY

Regulatory Sciences and Government Affairs—Indianapolis Lab  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, Indiana 46268-1054

LABORATORY STUDY ID

110325

## Event Sorting and Selection Process for the Development of DAS-444Ø6-6

### SUMMARY

This report summarizes the event sorting and selection process for the development of the soybean event DAS-444Ø6-6.

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Not Applicable

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Compound: DAS-44406-6

Title: Event Sorting and Selection Process for the Development of DAS-44406-6

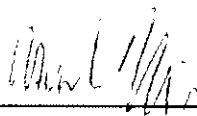
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Company: Dow AgroSciences LLC

Company Agent: Mark Krieger

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Date: 21 April 2011

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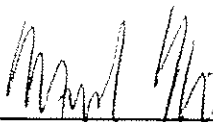
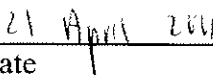
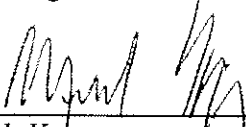


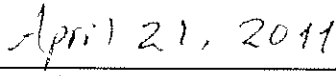
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Study Initiation Date: 02/06/2008

This report represents data generated after the effective date of the EPA FIFRA Good Laboratory Practice Standards.

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Title 40 Code of Federal Regulations Part 160  
FEDERAL REGISTER, August 17, 1989

Organisation for Economic Co-Operation and Development  
ENV/MC/CHEM(98)17, Paris January 26, 1998

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## QUALITY ASSURANCE STATEMENT

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Title: Event Sorting and Selection Process for the Development of DAS-44406-6


Study Initiation Date: 02/06/2008

Study Completion Date: 04/19/2011

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## **NON-GLP STUDY**

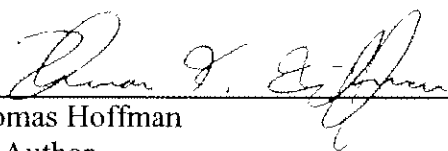
SIGNATURE PAGE



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April 21, 2011

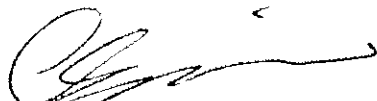
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Thomas Hoffman  
Co-Author  
Dow AgroSciences LLC

4/19/2011

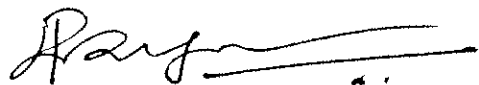
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Dow AgroSciences LLC

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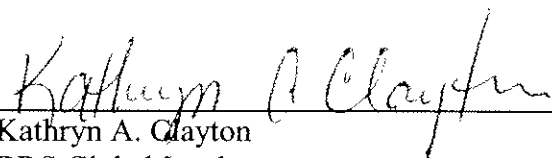
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Principal Analyst: Lei Han  
(Principle Investigator)

Analysts: Thomas Hoffman



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## Event Sorting and Selection Process for the Development of DAS-444Ø6-6

### ABSTRACT

This report summarizes the event sorting and selection process for the development of the soybean event DAS-444Ø6-6.

## EVENT SORTING AND SELECTION PROCESS FOR THE DEVELOPMENT OF THE SOYBEAN EVENT DAS-444Ø6-6

Following the introduction of the *aad-12*, *2mepsps* and *pat* gene cassettes, carried by pDAB8264, into soybean line Maverick (*Glycine max*) via *Agrobacterium*-mediated transformation (Zhuang and Pareddy, 2011), transformed plants were regenerated on media containing glufosinate herbicide. The regenerated T0 plants were subject to molecular characterization and phenotypic assessment. Specifically, the T0 plants were analyzed for the lack of vector backbone, presence of the genes of interest, gene copy number as well as tolerance to glufosinate based on leaf painting. T0 plants that met the desired criteria were carried forward for self pollination to produce the subsequent generations of transformed plants. Molecular characterization and phenotypic evaluation of the subsequent generations were carried out during the event sorting and selection process. DAS-444Ø6-6 was selected as the lead commercial candidate based on the outcome of the comprehensive evaluation studies. Figure 1 outlines the event sorting and selection process for the development of the soybean event DAS-444Ø6-6.

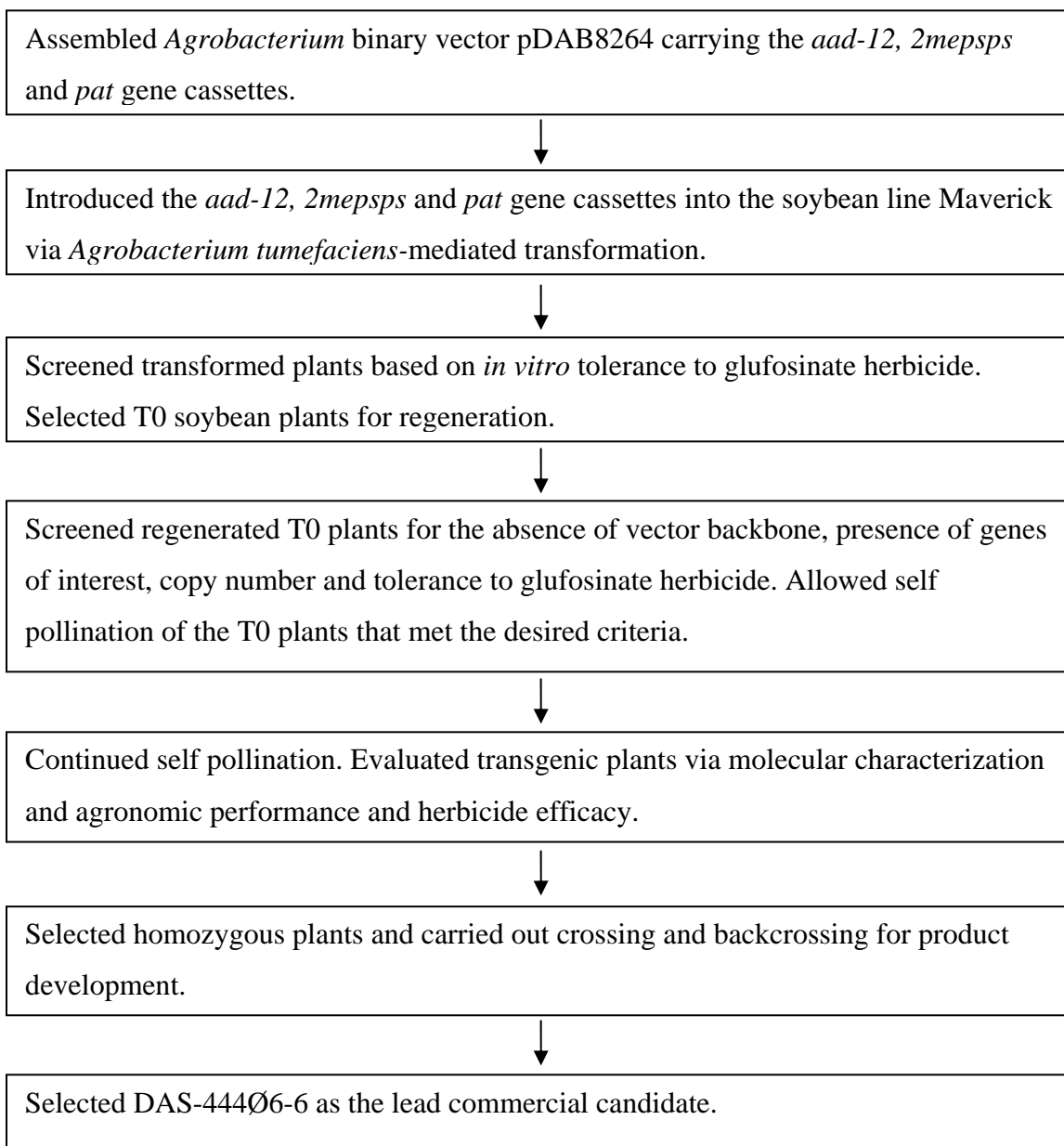


Figure 1. Development Process of DAS-444Ø6-6.

## REFERENCES

Zhuang, M., Pareddy, D., 2011. Transformation Information for Plasmid pDAB8264. Dow AgroSciences LLC. Study ID: 101880.