



Strategies to Mitigate Weed Resistance to Herbicides: U.S. Market Analysis and Opportunities

Base Year: 2020

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This report is a comprehensive analysis examining U.S. crop protection manufacturers' efforts to mitigate herbicide resistance by combining two or more herbicides, GMO crops, and new modes of herbicidal action.



Regional Coverage: United States

SCOPE

- › Detailed profiles of major research-based manufacturers' combination herbicide products
- › Strategies for the development of combination herbicides by leading suppliers
- › Review of stacked herbicide crop gene resistance and herbicides containing multiple modes of action
- › Review of new herbicide modes of action in development
- › Identification of which combinations of modes of action have been most successful
- › Identification of the potential for new combinations that could be successful
- › How the repeated use of glyphosate over many years has led to widespread resistance of critical weeds to glyphosate

Includes company profiles

TABLE OF CONTENTS

Introduction

Executive Summary

An overview of key findings

Summary of strategies to mitigate weed resistance to herbicides

- Background: history of herbicide resistance
- Key resistance problems
- Stacked gene technologies
- Combinations of herbicides with different modes of action
- New herbicide modes of action
- Future opportunities

History of weed resistance:

- Causes of weed resistance
- Herbicide modes of action
- Key resistant weeds
- Regional resistance problems
- Impact of glyphosate

Combination herbicide database



Stacked resistant gene technology

- Glyphosate/dicamba
 - Technology
 - Introduction: drift problems/regulatory action
- Glyphosate/2,4-D
 - Technology
 - Introduction: acceptance
 - Future
- Additional technologies in development
- How gene technology will impact herbicide sales

Combination herbicides

- Strategies for developing combination herbicides
- Key markets
- Key actives
- Key modes of action
- Company strategies: FMC, Bayer, BASF, Corteva, Syngenta, UPL, Nufarm, Albaugh, Valent,
- Combination herbicide crop protection sales and product details:
 - Key products
 - Marketing strategies
 - Key markets

New herbicide modes of action

- New herbicides in registration
- Herbicides in development

Future opportunities to manage herbicide resistance

- GMO strategies
- Combination herbicides
- New modes of action

REPORT BENEFITS

This report will provide marketing managers with a reliable assessment of the overall weed resistance market opportunities and strategies to address the market. It will also help subscribers:

Develop business strategies by understanding the trends and developments that are driving the U.S. weed resistance market

Improve their perspective of the 2020 market situation and show how events may unfold over the next five years

Understand the impact of herbicide resistance and seed technology on company product portfolios along with key combination herbicides

METHODOLOGY

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