



# PLACEHOLDER<sup>™</sup>

VaporGrip<sup>®</sup>Xtra  
AGENT

Volatility Reducing Agent



# PLACEHOLDER™

## VaporGrip® Xtra

### AGENT

**PLACEHOLDER™, a VaporGrip Xtra Agent is Now Approved by Bayer, Syngenta and BASF**

## What is a Volatility Reducing Agent?

A Volatility Reducing Agent (VRA) is a tank mix adjuvant that delivers additional VaporGrip® Technology to spray solutions for further reduction of potential dicamba volatility.

## Why is a VRA adjuvant required by the EPA for Dicamba?

When dicamba is used as a herbicide there is the risk of drift into unwanted areas. The volatility of dicamba under certain circumstances increases this risk and can be mitigated by adding an adjuvant with VRA technology that decrease the volatility.

There are several factors that contribute to the volatility of dicamba. At a lower pH, the dicamba salt converts easily to dicamba acid. Dicamba acid is the volatile form which increases volatility of the herbicide solution.

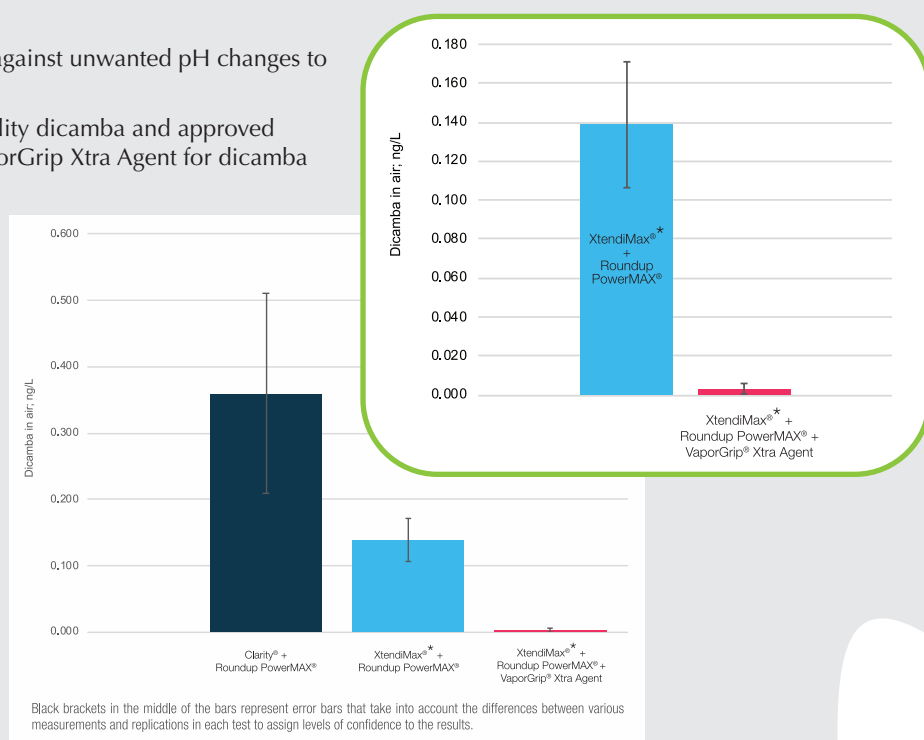
The formation of dicamba acid is influenced by a number of factors:

- The type dicamba (First generation vs later generation)
- Other tank-mix partners
- Overall solution pH

PLACEHOLDER, a VaporGrip Xtra Agent buffers against unwanted pH changes to prevent dicamba acid formation.

It is important to only utilize approved low-volatility dicamba and approved tank-mix partners such as PLACEHOLDER, a VaporGrip Xtra Agent for dicamba applications.

**Humidome\*\*** studies measuring the air concentration of dicamba demonstrate that VaporGrip® Xtra Agent provides additional volatility reduction.



## PLACEHOLDER, a VaporGrip Xtra Agent has been tested!

PLACEHOLDER, a VaporGrip Xtra Agent has been tested! PLACEHOLDER, a VaporGrip Xtra Agent has been thoroughly tested\* in field trials by Bayer and US academic weed scientists and has been approved by Bayer, Syngenta, and BASF for use with their products XtendiMax®, Tavium®, and Engenia®.

PLACEHOLDER, a VaporGrip Xtra Agent performance has been validated through low-tunnel trials conducted in cooperation with US Academic Weed Scientists across key soybean growing areas.

**If you have any questions about PLACEHOLDER, a VaporGrip Xtra Agent or availability, contact your SSM.**

\*\* Gavlick, W.K., D.R. Wright, A. MacInnes, J.W. Hemminghaus, J.K. Webb, V.I. Yermolenka, W. Su. 2016. A method to Determine the Relative Volatility of Auxin Herbicide Formulations, Pesticide Formulation and Delivery Systems: 35th Volume, ASTM STP1587. pp 24-32G. R. Goss, Ed. ASTM International, West Conshohocken, PA.

## QUALITY ASSURANCE

*Exacto® products are manufactured with pride at our production facility in Sharon, Wisconsin. Each batch is inspected by our Quality Assurance Team to ensure it meets our high standards.*

© 2021 Exacto®, Inc.