



# TARGET: Palmer Amaranth



## THE POWER YOU WANT — THE RESULTS YOU NEED

A small seeded weed that rapidly germinates at shallow soil depths, Palmer amaranth features a capacity to quickly acclimate and thrive in widely varying environmental conditions. Palmer amaranth is a very prolific weed, highly opportunistic and competitive with the genetic ability to quickly develop herbicide resistance. Today, it is rated as one of the most damaging glyphosate-resistant weeds in the southern United States.

### THE POWER YOU WANT – THE RESULTS YOU NEED

Stop Palmer amaranth dead with IMPACT® herbicide. IMPACT takes out the hard to control, glyphosate-resistant weeds as well as tough grass problems, so you can take off a cleaner harvest and higher yields.

### Recommended Tank-Mix on Conventional & Specialty Corn

- IMPACT at 0.75 to 1.0 fl oz/acre
- Atrazine at local use rate (up to 12 inch corn)
- MSO at 1 gal/100 gal
- Nitrogen Fertilizer  
AMS at 8.5 to 17 lb/100 gal of water (or liquid equivalent)  
OR —UAN (28-34%) at 2.5% v/v (3 pt/acre @ 15 gal/acre)
- Target 2 to 4 inch weed height

**IMPACT**  
Herbicide

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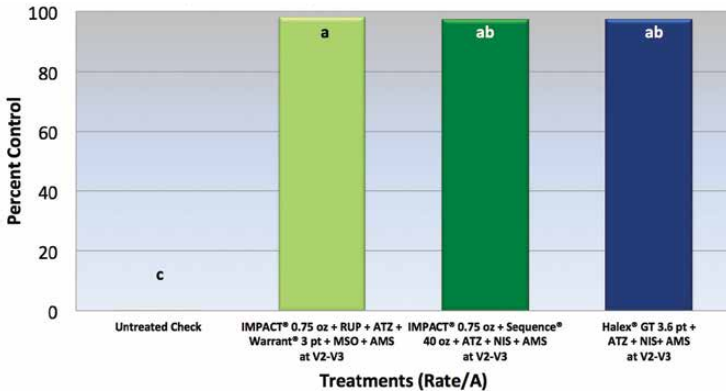


# The Power You Want. The Results You Need.

## Influence of IMPACT® Programs on Weed Control and Yield of Field Corn

### Palmer Amaranth Control (%)

Summary of 9 University Trials across Southern U.S. in 2013



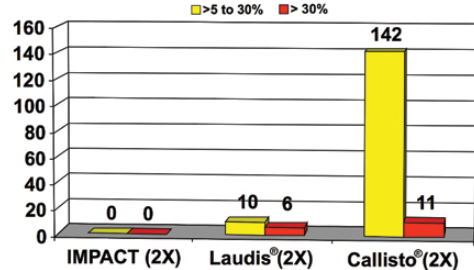
Evaluated 27-56 DA-C. Applied PRE at planting, First E-Post at V2-V3, Second E-Post timing at V3-V4 and 2-4" weeds following PRE. RUP=Roundup PowerMAX® at 22 oz./A; ATZ=Atrazine at 1 qt./A; MSO=Methylated Seed Oil at 0.5 % v/v; AMS=Ammonium Sulfate at 8.5 lbs./100 gal or liquid equivalent. Means followed by same letter do not significantly differ (P=.05, Student-Neuman-Keuls) using ARM across-trial analysis. ©2014 AMVAC Chemical Corporation.



### IMPACT on Palmer Amaranth

### The Standard in Corn Safety®

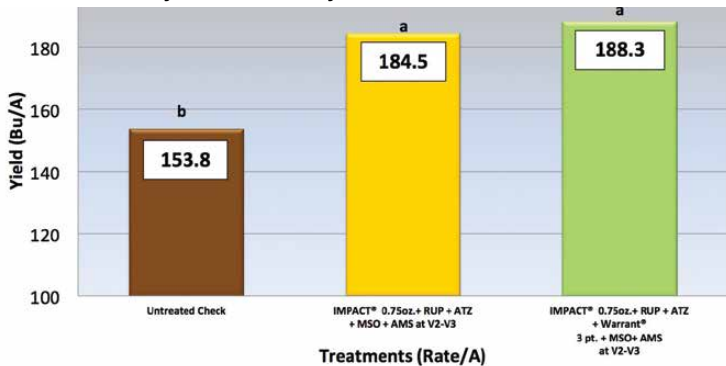
#### Sweet Corn Tolerance Trial



Total Hybrids within crop injury category: % crop injury (7 DAT). Hybrids not included in table had injury ratings of 0-5%. Sweet Corn at V4-V5 stage at application. • IMPACT (2X) = 1.5 fl oz/a • Laudis (2X) = 6 fl oz/a • Callisto (2X) = 6.0 fl oz/a Spray adjuvants = COC (1% v/v) and UAN (2% v/v) with each treatment. Study conducted by University of Illinois, 2009.

### Corn Yield (bushels / acre)

Summary of 9 University Trials across Southern U.S. in 2013



First E-Post at V2-V3, Second E-Post timing at V3-V4 and 2-4" weeds. RUP=Roundup PowerMAX® at 22 oz./A; ATZ=Atrazine at 1 qt./A; MSO=Methylated Seed Oil at 0.5 % v/v; AMS=Ammonium Sulfate at 8.5 lbs./100 gal or liquid equivalent. Means followed by same letter do not significantly differ (P=0.05, Student-Neuman-Keuls) using ARM ST across-trial analysis. Data generated by University and Extension Weed Scientists. ©2014 AMVAC Chemical Corporation.

### THE STANDARD IN CORN SAFETY®

You get the highest margin of crop safety with IMPACT herbicide. It sets the standard for safety in all types of corn: field, seed, distiller and food grade, sweet and pop-corn. IMPACT has proven its safety on the most sensitive specialty hybrids. Keep your corn clean and safe for better harvest and higher yields.

Target Palmer Amaranth, put more IMPACT in your postemergence herbicide program — IMPACT herbicide:



The Power You Want. The Results You Need.

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