



ADAMA

FullScript™ Introduction



ADAMA

FullScript

FullScript herbicide is a liquid premix that provides growers the confidence and predictability in weed control they want as well as the freedom to rotate crops as they see fit to control resistant weed pressure in



Rice Cropping Solution



ADAMA

Preface™ Postscript™
FullScript™



ADAMA

FullScript Overview



Features:

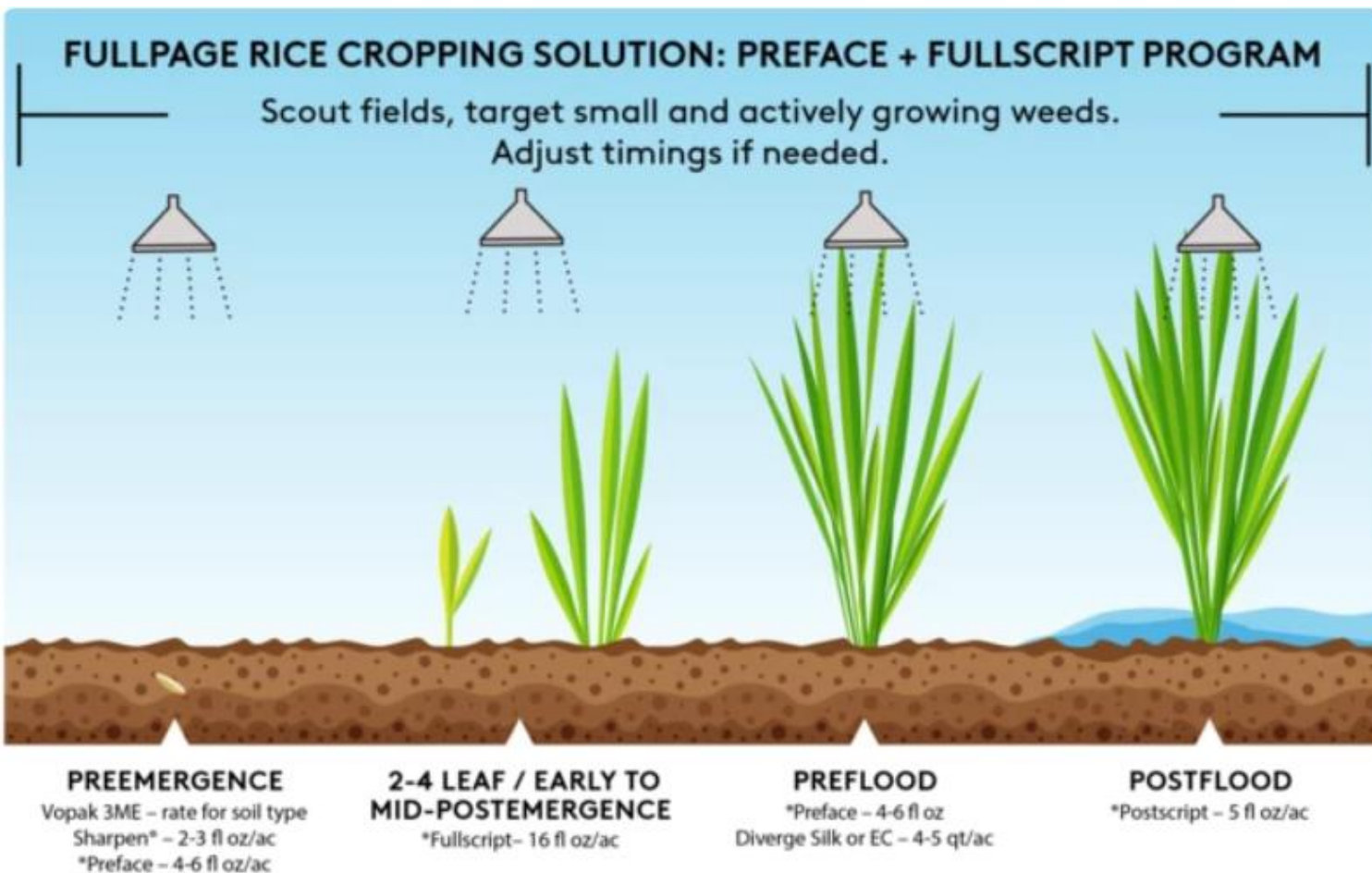
- Control of resistant weeds
- Expansion to broadleaf weed control
- Rotation flexibility
- Early pre-flood application
- Easy-to-handle advanced liquid formulation

Benefits:

- Ease of mind
- Improved ROI
- Trust in performance



ADAMA



*See label restrictions

Application Recommendations

- Application window from 1 leaf rice to PI+14 Days
- Recommended Use rate 16 fl oz per acre
- Seasonal maximum of 20 fl oz per acre
- Apply no more than one application of FullScript in a single use season.



ADAMA

FULLPAGE RICE CROPPING SOLUTION: POSTSCRIPT + FULLSCRIPT PROGRAM

Scout fields, target small and actively growing weeds.
Adjust timings if needed.



PREEMERGENCE

Vopak 3ME – rate for soil type
Sharpen – 2-3 fl oz/ac

2-4 LEAF / EARLY TO MID-POSTEMERGENCE

*Fullscript – 16 fl oz/ac

PREFLOOD

*Postscript – 5 fl oz
Diverge Silk or EC – 4-5 qt/ac
Prowl – 1 qt/ac

POSTFLOOD

*Postscript – 5 fl oz/ac

*See label restrictions

Rotational Flexibility

Go with application program of Postscript & FullScript to allow for flexibility to rotate to Max-Ace Rice or other crop



Regional Focus



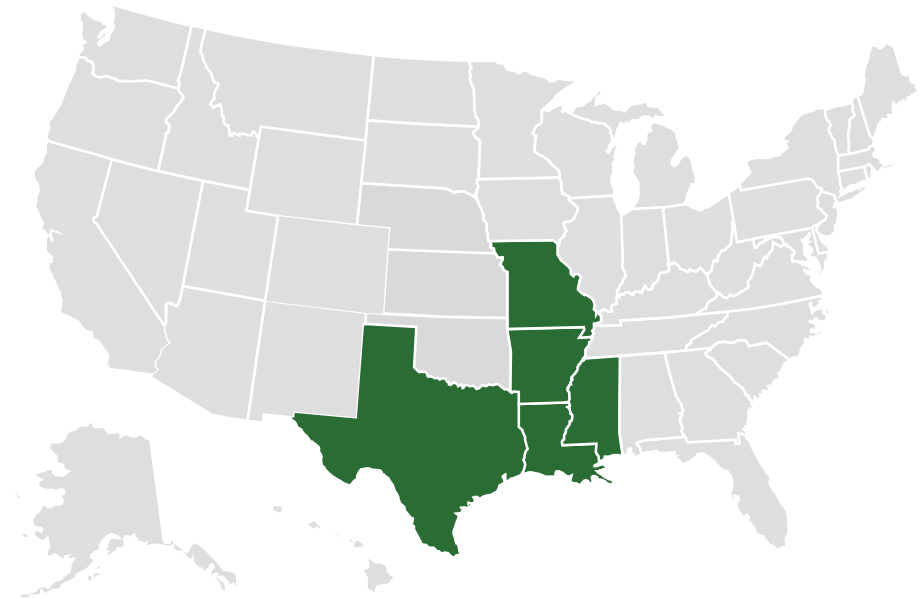
FullScript™

Herbicide for **FULL** PAGE™ Rice

Imazamox	Group 2	Herbicide
Quinclorac	Group 4	Herbicide

FullScript™ it designed to be a foundational companion to Preface and Postscript on FullPage rice from RiceTec.

This fits in the MS Delta rice production



Product Data

- Breakdown of Component Rates by FullScript Rate.

FullScript Rate (fl oz/Acre)	Postscript Rate (fl oz/Acre)	Zurax L Rate (fl oz/Acre)
12	3.6	24
13	3.9	26
14	4.2	28
15	4.5	30
16	4.8	32
17	5.1	34
18	5.4	36
19	5.7	38
20	6	40



Best Management Practices for Highcard Herbicide

Jason Meier
Product Development
ADAMA



2022 Experiences and Learnings



- First year commercial scale launch.
- Overall, very successful.
- Some areas of concern identified across the region.
 - Highcard performance was affected in some areas by several factors.
 - Environmental Conditions
 - Grass Size
 - Tank-mixes/antagonism
 - Weedy/Red Rice emergence
 - Some of these factors were compounded and led to greater issues/concerns.



Highcard™



2023 Best Management Practices



- **It is important to remember that the MaxAce rice system with Highcard herbicide is designed for the control of weedy rice and red rice infestations.**
 - **Grass control is observed with Highcard herbicide, however, in fields with heavy grass and weedy/red rice pressure additional control measures for grasses will be required.**
 - **Highcard herbicide has no effects on broadleaf weeds and therefore broadleaf weed control will also need to be addressed separately.**
- Two applications of Highcard herbicide are required (31 fl oz. max per year). It is essential to start with a clean, weed free field.
- Tillage or an effective burndown application should be utilized to remove weeds before planting followed by an herbicide program.



Highcard™



2023 Best Management Practices



- Use a residual herbicide Preemergence or Delayed Preemergence.
- Target 1-3 leaf grasses and weedy/red rice.
 - Control of 4+ leaf grass weeds will require timely, sequential applications or a separate grass herbicide application between Highcard applications.
- Make timely applications.
 - If the Highcard application gets delayed, make a standard application for grass control and follow up with Highcard as soon as possible for weedy/red rice control.



Highcard™



Highcard Herbicide Programs



- **Pre-Emergence:**

- Command plus Sharpen (add glyphosate if weeds are present),

Or

- **Delayed Pre-Emergence:** (Following a preemergence burndown)

- Prowl or Command plus Zurax L or Facet L (add adjuvant as recommended for products used)

- **Early Post (2-3 leaf rice):**

- Highcard at 13 - 15.5 fl oz plus at least 1% COC.
 - *If cool, wet, and/or cloudy conditions are present 5-7 days before application, use the 13 fl oz. rate.
 - Another residual grass herbicide is recommended at this timing. A broadleaf tank-mix partner can be added at this timing according to the reference chart that follows.



Highcard™



Highcard Herbicide Programs



- **Preflood:**

- Highcard 15.5 fl oz plus at least 1% COC (If 13 fl oz was used in first application, up to 18 fl oz can be used in the second application).
 - Tank-mixing should be avoided with this application.
- ***If grass pressure is severe or drought conditions are present, a separate grass herbicide application is recommended before applying Highcard herbicide for weedy/red rice control.**

- **Postflood:**

- Highcard can be applied postflood if the preflood application is missed. Applications need to be made before the PI rice growth stage.



Highcard™



Highcard Tank-Mix Partners



- **Broadleaf tank-mix partners:** A broadleaf herbicide can be tank mixed with Highcard if needed; however, it is highly recommended to do so in the first application only.

Recommended	Acceptable	Not Recommended
Basagran®	Strada®	Regiment® + Permit Plus®
Zurax L or Facet® L	Loyant®	Zurax L + Permit Plus®
Gambit®	Regiment®	Zurax L + Gambit®
Permit Plus®	Command®	Propanil
Prowl® EC or H2O		Bolero®
		Grandstand®

* If more than one herbicide is needed for tank-mixing with Highcard, make the Highcard application first, then follow with the broadleaf application 24-48 hours later.

- **Adjuvants:** A high-quality crop oil concentrate is recommended with Highcard herbicide. Other surfactants and/or adjuvants can be used but may increase risk of crop response.



Highcard™



Highcard Symptomology

- Highcard is an ACCase inhibitor and results are not typically observed until 7-14 days after application. Grass weeds and weedy rice will turn yellow or reddish purple and the tissues at the growing point will become necrotic. New leaves will be easily pulled out from the main stem and will be necrotic at the base.



- There is potential for crop response in the form of white streaks or blotches on the Max-Ace rice leaves after applications of Highcard herbicide during periods of stress due to cloudy, cool, and/or wet conditions around the time of application. These are cosmetic and will usually dissipate within a few days.

Max-Ace Rotations



- Max-Ace rice is very sensitive to carryover from Newpath and Preface herbicides.
- If fields have been in Clearfield or FullPage rice systems for two or more consecutive years and Newpath or Preface herbicide has been used, **growers will need to rotate into soybean** or FullPage rice and only use Postscript herbicide for at least two growing seasons before planting Max-Ace rice.
- The Postscript label allows growers to make three, 5 fl oz/ac applications of Postscript per season.
- **Do not plant MaxAce™ or Provisa® rice in the same field for consecutive years!**



Highcard™



Weedy/Red Rice Escapes



- **Do Not let weedy/red rice escapes flower or produce seed.**
 - ACCase tolerant outcrosses have been confirmed in Arkansas and Louisiana!
- **Rouge fields before heading to prevent outcrosses.**
- **Rotate out of rice into soybean or fallow to reduce seed bank.**
- **Manage rice/crawfish rotations to prevent outcrossing.**



Highcard™



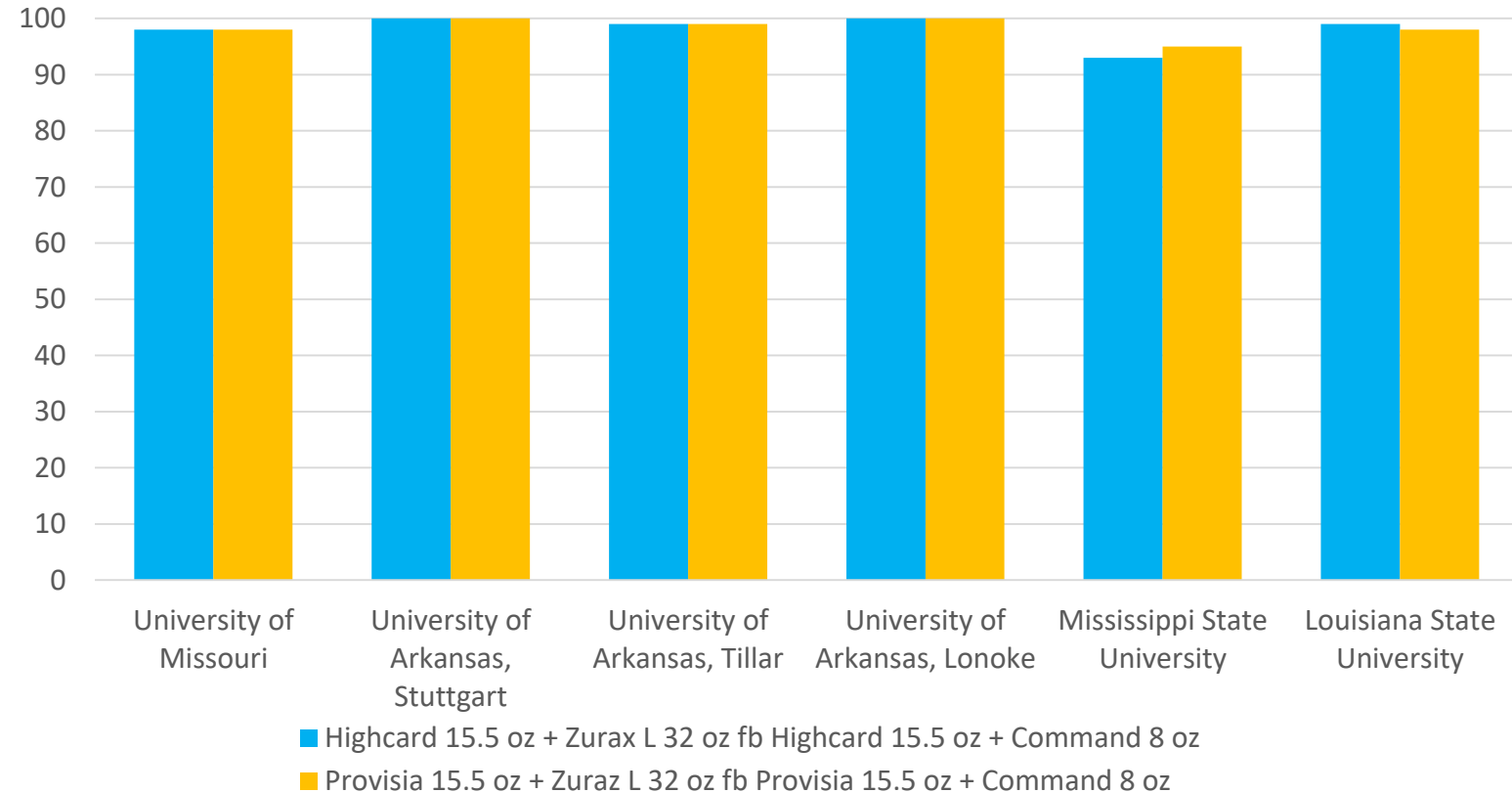
Barnyardgrass (ECHCG) Control

2021 University Trials (ADAMA protocols)



- Command (8-16 oz) plus Sharpen (2 oz) PRE
- COC at 1% v/v was included with all post treatments.

% Barnyardgrass Control 3-4 Weeks After Preflood Application



Highcard™



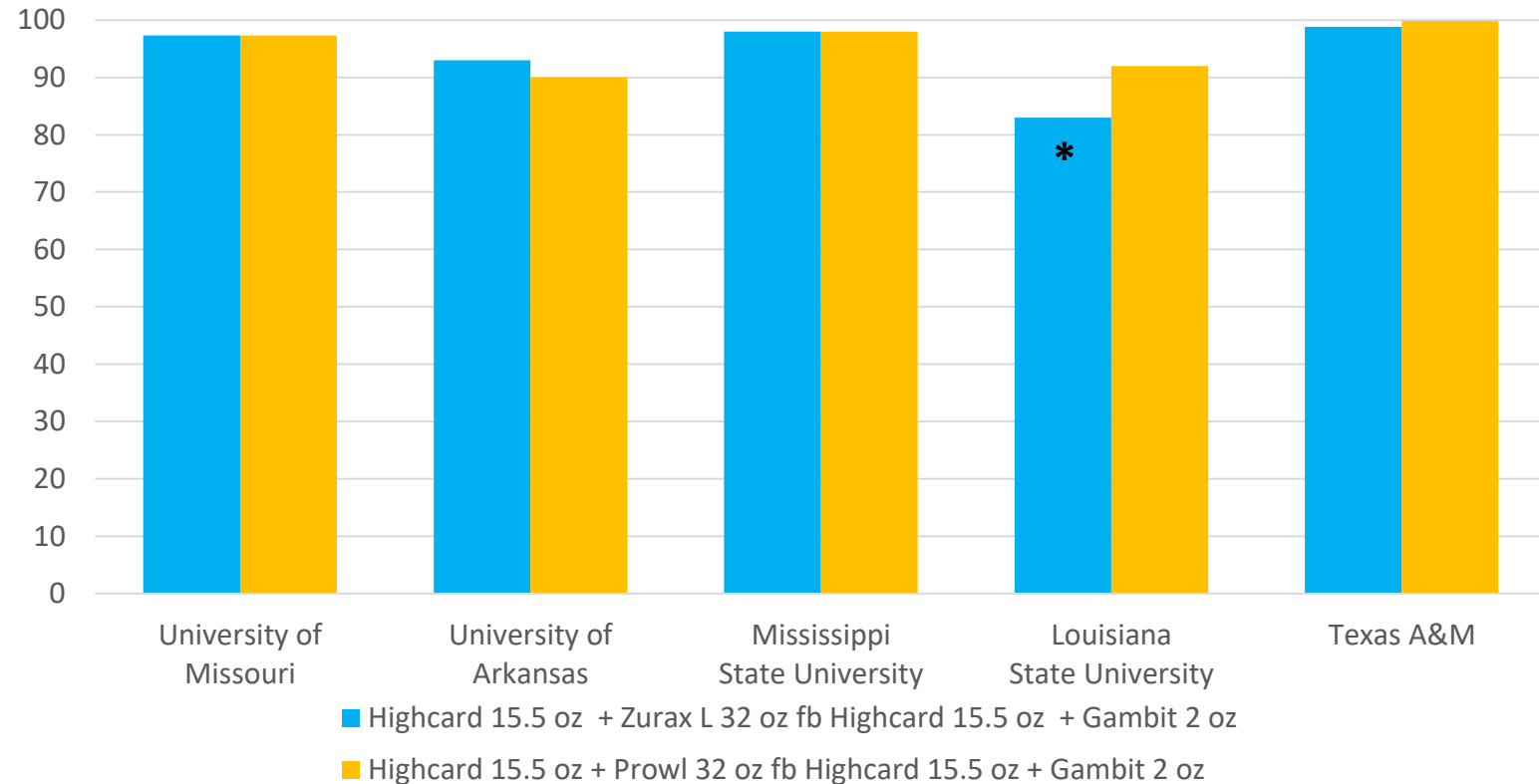
Barnyardgrass (ECHCG) Control

2022 University Trials (ADAMA protocols)



- Command (12.8 oz) plus Sharpen (2 oz) PRE
- COC at 1% v/v was included with all post treatments.

% Control 2-3 Weeks After Preflood Application



Highcard™



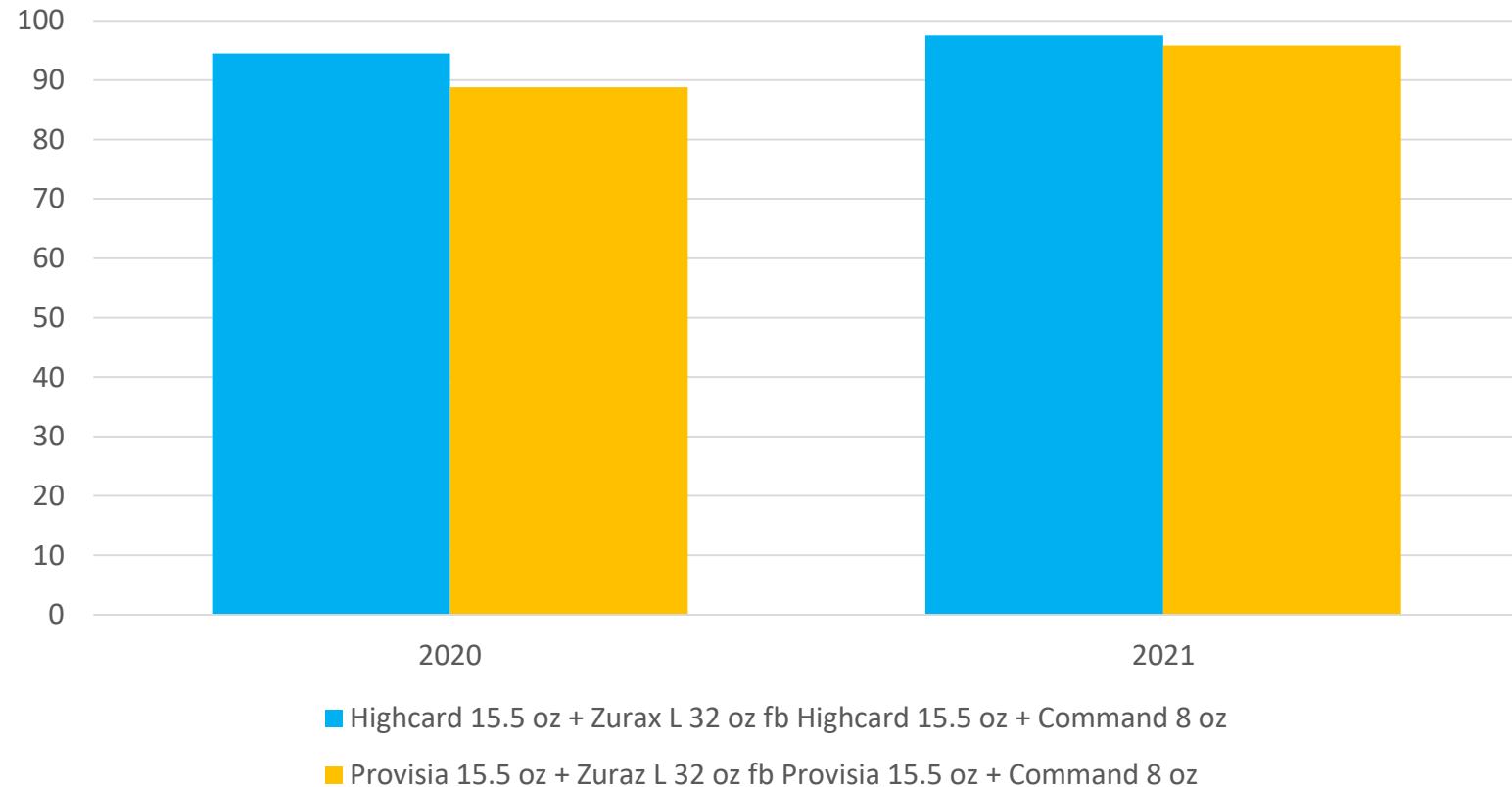
Weedy Rice Control

2020 and 2021 University Trials, Stuttgart (ADAMA protocols)



- Command (12.8 oz) plus Sharpen (2 oz) PRE
- COC at 1% v/v was included with all post treatments.

% Weedy Rice Control 3-4 Weeks After Preflood Application



Highcard™



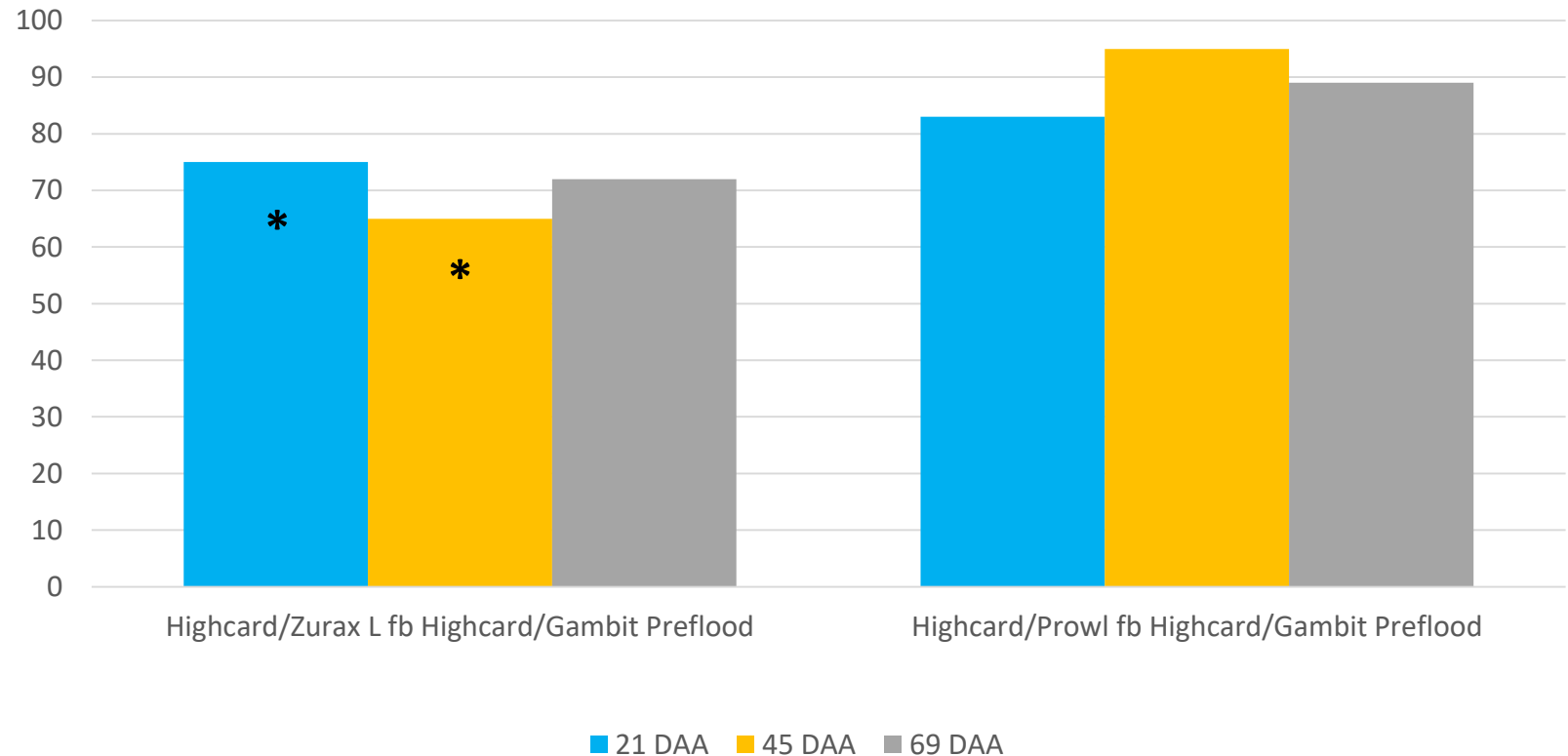
Common Rice (ORYSA) Control

2022 LSU Trial (ADAMA protocol)



- Command (12.8 oz) plus Sharpen (2 oz) PRE
- COC at 1% v/v was included with all post treatments.

% Control after Preflood Application



Highcard™



Thank You!



Jason Meier
Product Development Manager

jason.meier@adama.com

870-308-2132



Highcard™

