BASF
New Developments

Louisiana
Agricultural Technology & Management Conference

Rice Technical Update

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New Formulation

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Facet® L
herbicide

- For use on rice
- Enhanced foliar activity versus DF formulation
- Wash-off study suggests increased foliar activity related to increased absorption
- New formulation appears less sensitive to adjuvant concentrations

Facet® L herbicide

Registration & Formulation

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- **EPA REGISTRATION DATE:** May 2011
  - Active Ingredient : Quinclorac Signal Word: Caution
- **FORMULATION:** SL (DMA salt)
  - 1.5 lb ai/gallon
- **Rate Range:**
  - 21 to 42 oz/A
  - Max = 42 oz/A/season
- **PHI =** 40 days
- **REI =** 12 hours
- **Adjuvants:** Performance is improved by adding adjuvants
  - COC at 1 qt/A

Facet® L herbicide

Proposed Weeds & Rates

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- **Target Crop:** Rice
- **Target Weeds**
  - Barnyardgrass
  - Broadleaf Signalgrass
  - Hemp sesbania
  - Jointvetch
  - Entireleaf Morningglory

Facet 75DF conversion to Facet 1.5lb L

0.4lb product /Ac = 25.6 oz product /Ac

0.5lb product /Ac = 32 oz product /Ac

0.67lb product /Ac = 42.9 oz product /Ac

Application Timing and Rates

- Soil applications (10-40 gpa)
- Foliar applications (10-20 gpa by ground; minimum 5 gpa by air)
  - Small weeds (up to 2”) = 25-32 oz/A
  - Larger weeds (up to 3”) = 25-42 oz/A

Improved Weed Control

Facet® L Herbicide (1x)

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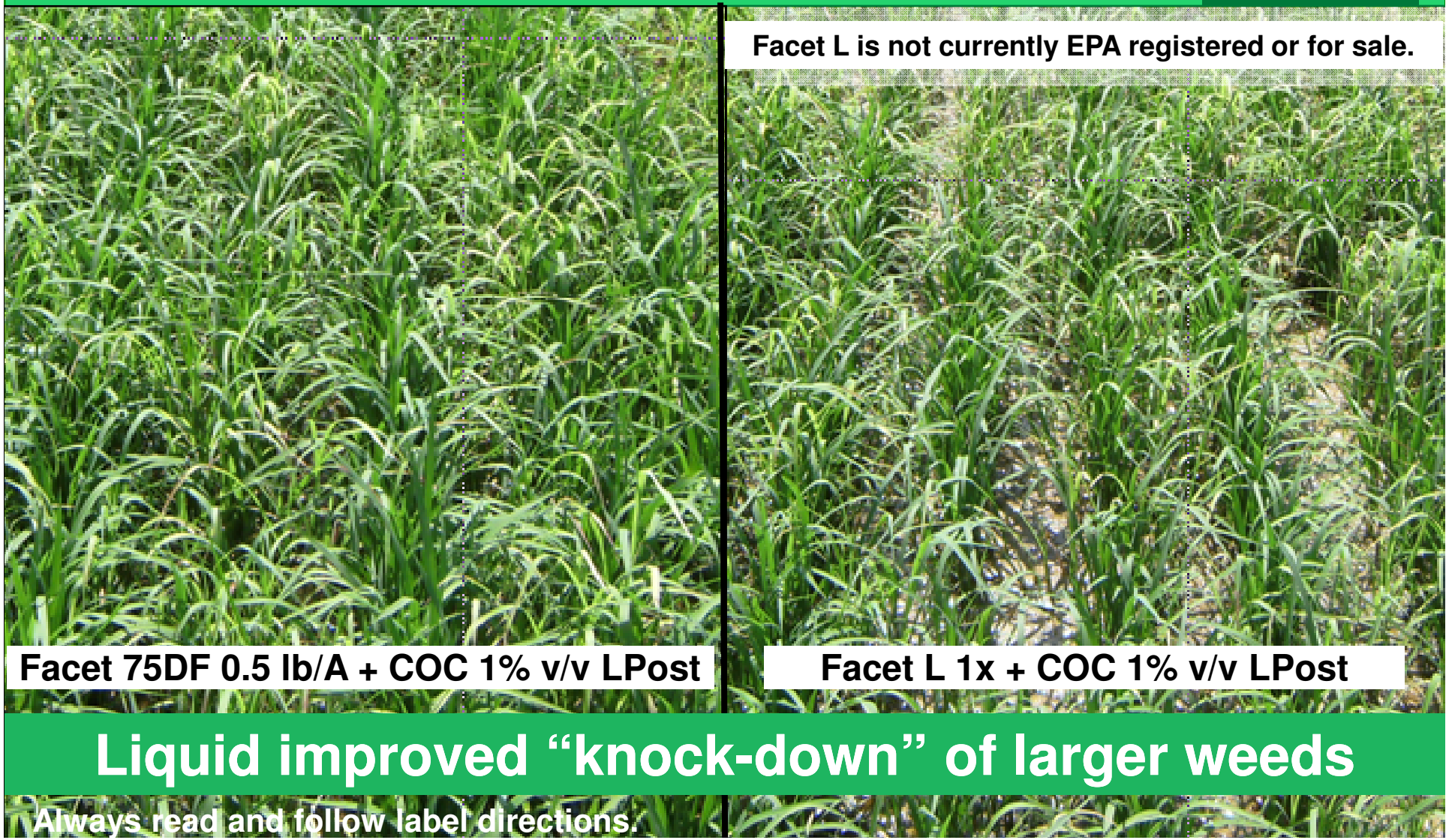
Facet L is not currently EPA registered or for sale.



Facet 75DF 0.5 lb/A + COC 1% v/v LPost

Facet L 1x + COC 1% v/v LPost

Liquid improved “knock-down” of larger weeds

Always read and follow label directions.

BASF future burndown label for Rice

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SHARPEN™
POWERED BY KIXOR® HERBICIDE

- Saflufenacil
- Expected registration spring of 2011.
- Burndown application timing up to 15 days prior to planting.

2011 Label Change

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BEYOND
HERBICIDE | for CLEARFIELD® rice

Rate: 5 - 6 oz/A

- CLEARFIELD rice hybrids: from 4-leaf up to panicle initiation
- CLEARFIELD rice varieties: from 4-leaf up to 2 weeks after panicle initiation

CLEARFIELD®
production system | rice

NOTE: Add COC 1% v/v to all treatments

CLEARFIELD® Rice Herbicide Application Timings:

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CLEARFIELD® production system | rice

Treatment 1:

- Newpath 4-6 oz/A PPI / Pre / EPost ***OR***
- Clearpath 0.5-0.72 lb/A Pre / EPost

Treatment 2: at 4-5 leaf rice followed by permanent flood

- Newpath 4-6 oz ***OR***
- Clearpath 0.5-0.72 lb/A (if not previously applied) ***OR***
- Beyond 5 oz/A ***(New)***

Treatment 3 (if needed):

- Beyond 5-6 oz/A Post
  - Up to panicle initiation on CL rice hybrids
  - Up to 2 weeks after panicle initiation on CL rice varieties

NOTE: Add COC to all postemergence treatments

CLEARFIELD® Rice Herbicide Application Recommendation:

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CLEARFIELD® production system | rice

Treatment 1: at 1 to 2-leaf rice

- Newpath 4-6 oz/A + Prowl 3.3 EC 2 pt

Treatment 2: at 4-5 leaf rice followed by permanent flood

- Clearpath 0.5-0.72 lb/A

Treatment 3 (if needed):

- Beyond 5-6 oz/A Post
  - Up to panicle initiation on CL rice hybrids
  - Up to 2 weeks after panicle initiation on CL rice varieties

NOTE: Add COC to all postemergence treatments

Newpath + Prowl 3.3EC

2010 Newpath + Prowl 3.3EC Rice Trial
LSU Rice Research Station, Crowley, LA

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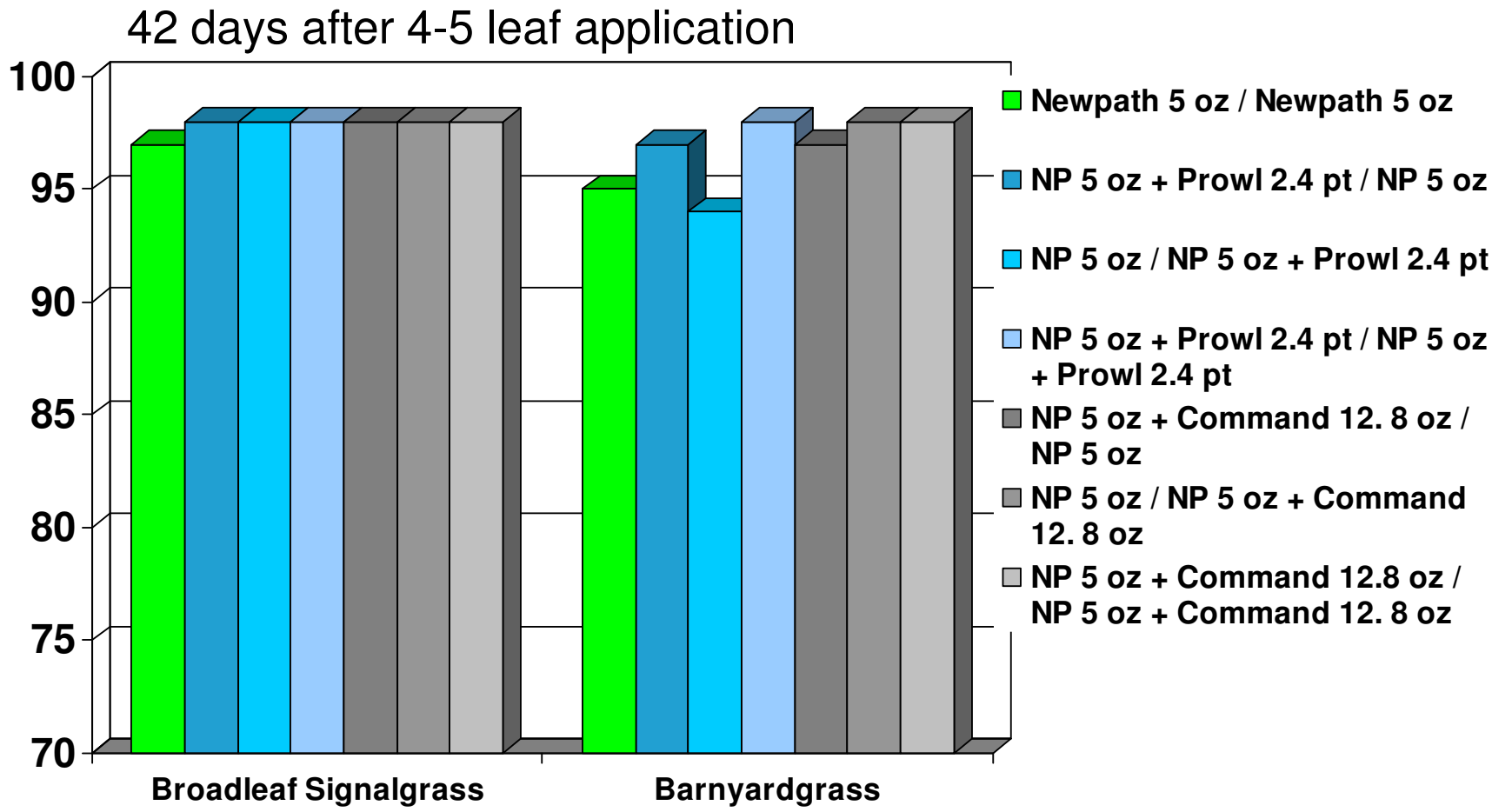

First treatment applied at 1-2 leaf rice; second applied at 4-5 leaf rice
All treatments included Agri-Dex at 1% v/v; Variety CL 131

Trial ID: Webster C10-23

2010 Newpath + Prowl 3.3EC Rice Trial
LSU Rice Research Station, Crowley, LA

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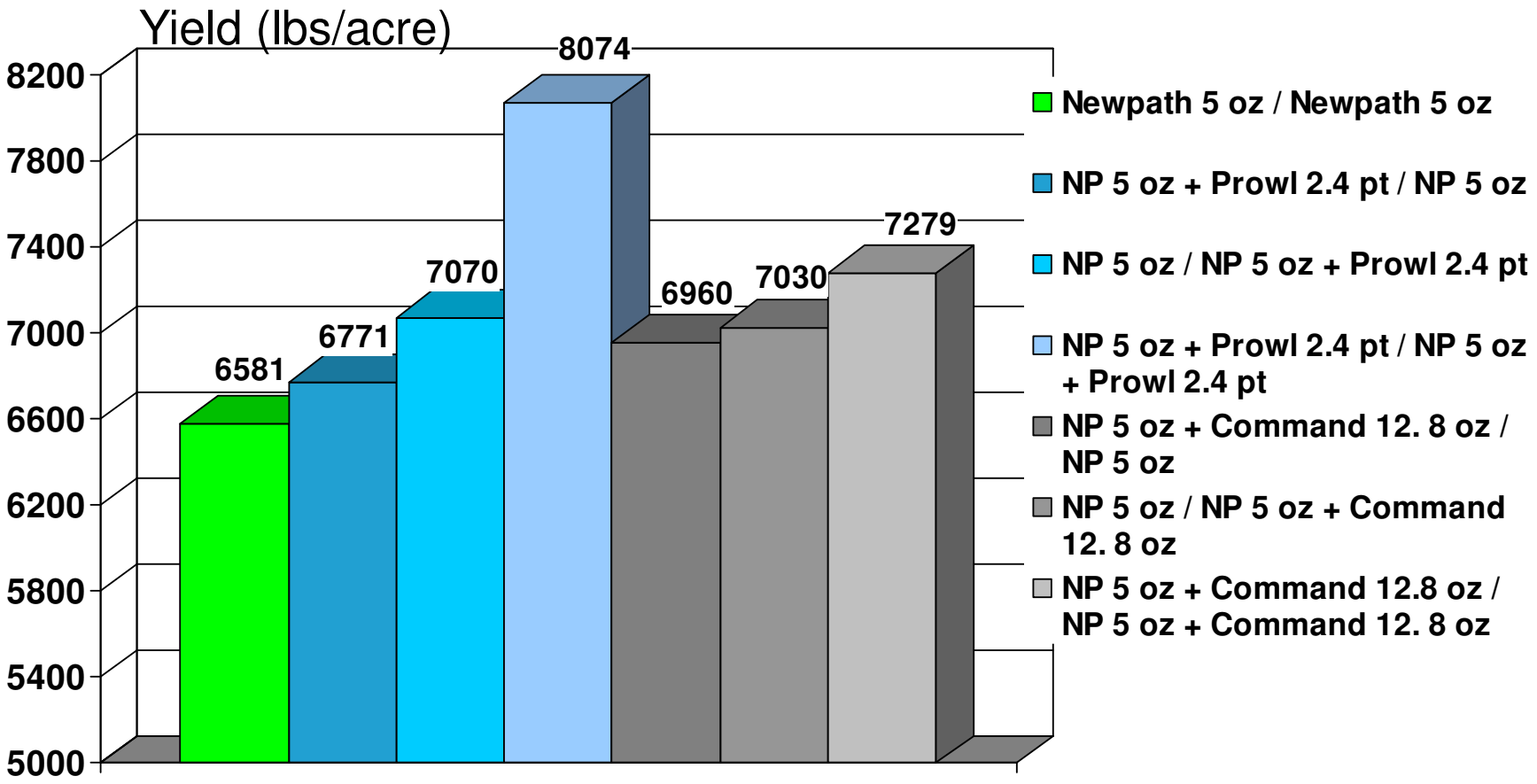

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Red Rice Control Programs
LSU Rice Research Station, Crowley LA

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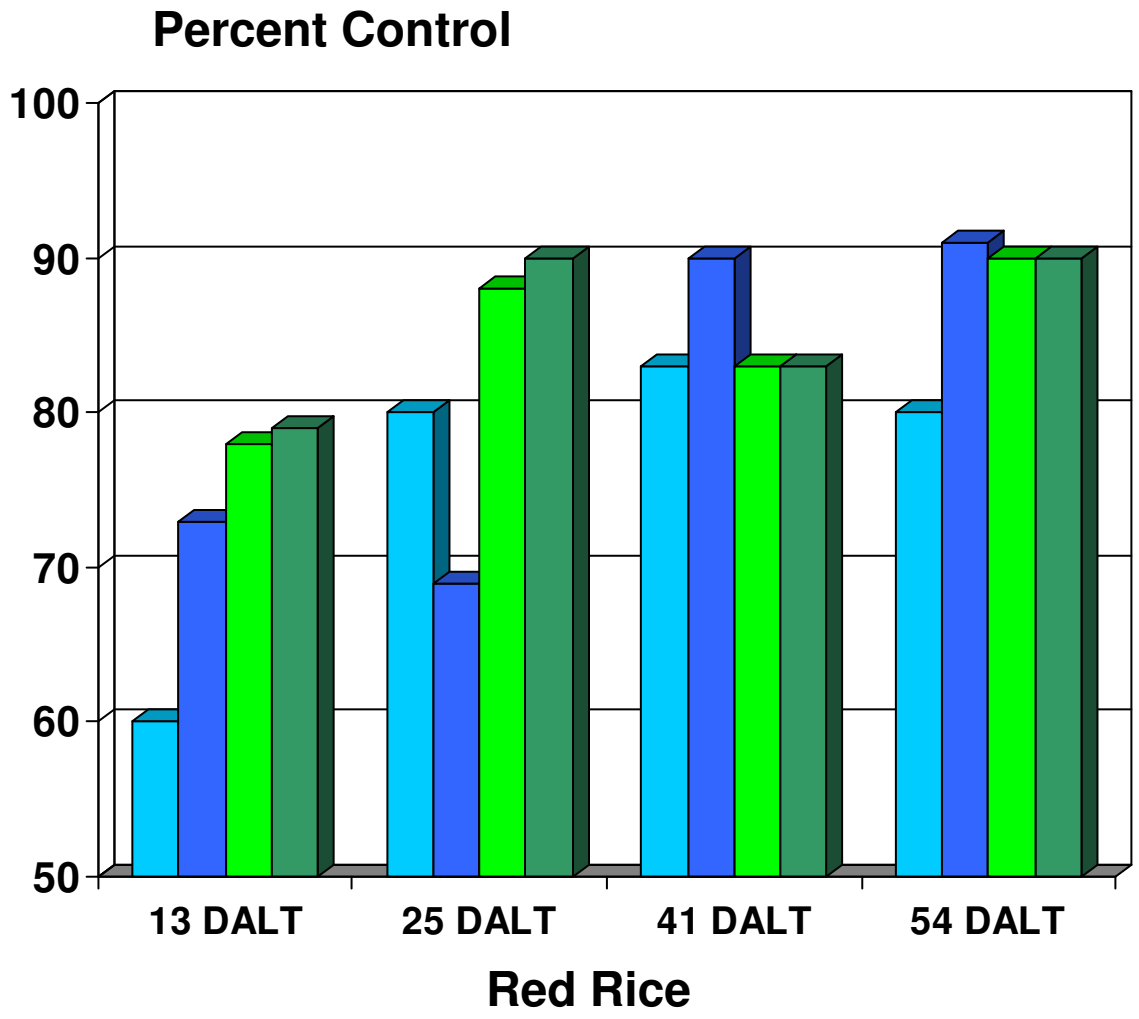

Treatment* & Rate per Acre

- Newpath 4 oz VEPost fb Newpath 4 oz MPost
- Newpath 6 oz VEPost fb Newpath 6 oz MPost
- Newpath 4 oz VEPost fb Beyond 5 oz MPost
- Newpath 6 oz VEPost fb Beyond 5 oz MPost

*All treatments included COC 1% v/v

BEYOND® HERBICIDE for CLEARFIELD® rice

Dr. Eric Webster, LSU - Trial:C07-05

Field Observations

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Water Volume

Newpath	10 gl
Clearpath	10 gl
Facet	10 gl

Adjuvant

Newpath / Beyond – 1 pt. Crop Oil

Clearpath – 1 qt. Crop Oil

Tank Mixes

EC's Enhance Performance

Residual Tank Mixes

Newpath Rates

4 oz. Marginal / Perfect Conditions

6 oz. Better weed control / Makes up for "Real World" Situations

The Value of CLEARFIELD® Rice

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CLEARFIELD rice varieties and hybrids:

- Provide an efficient means of weed control
- Allow for control of red rice and other weeds with Newpath, Clearpath and Beyond herbicides
- Have excellent yields
- Have excellent quality
- Have excellent return on investment

The Technology Must be Protected!

CLEARFIELD®
production system | rice

Volunteer Clearfield Rice

Outcrossed Red Rice

ALS Inhibitor Herbicides in Rice

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Tradename	Common Name	Herbicide Family
Beyond	imazamox	Imidazolinone
Grasp	penoxsulam	Sulfonamide
Halomax	halosulfuron	Sulfonylurea
Londax	bensulfuron	Sulfonylurea
Newpath	imazethapyr	Imidazolinone
Permit	halosulfuron	Sulfonylurea
Regiment	bispyribac-sodium	Sulfonylurea
Strada	orthosulfamuron	Sulfonylurea
Pre-Mix Herbicides		
Clearpath	imazethapyr + quinclorac	Imidazolinone + Quinaline carboxylic acid
Grasp Xtra	penoxsulam + triclopyr	Sulfonamide + Pyridine carboxylic acid
Rebel EX	penoxsulam + cyhalophop	Sulfonamide + Aryloxyphenoxyproprionae

CLEARFIELD®
production system | rice
You have the power
to stop red rice.
Use it wisely.
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Follow the CLEARFIELD Rice Stewardship Guidelines
www.agproducts.basf.us/edu/clearfield

Thank You

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www.planthealtheducation.com

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