

**2009 Grass Weed Control in Conventional Rice**

			<b>Common Barnyardgrass 5 Locations Control (%) 14 DAT*</b>	<b>Crabgrass 2 Locations Control (%) 14 DAT</b>
Broadhead™ + NIS	8 oz/A	3-4 leaf	85	93
Broadhead + NIS	12 oz/A	3-4 leaf	88	95
Broadhead + COC	8 oz/A	3-4 leaf	88	94
Broadhead + COC	12 oz/A	3-4 leaf	92	93
Facet® 75 WG + COC	0.67 lb/A	3-4 leaf	89	93

- ALL TREATMENTS ABOVE RECEIVED A BASE PRE TREATMENT OF COMMAND® 3ME AT 11 OZ/A (0.25 LB AI/A).  
\*DAT = DAYS AFTER FINAL APPLICATION OF POST SPRAYS.

**2009 Broadleaf Weed Control in Clearfield® Rice**

			<b>Hemp Sesbania Control (%)*</b>	<b>Morningglory Control (%)*</b>
Newpath® 2L + COC	4 fl oz	1-3 and 3-4 leaf	10	70
Newpath 2L and quinclorac 75 DF + COC	4 fl oz and 10.7 oz	1-3 and 3-4 leaf	55	89
Newpath 2L and Broadhead™ + COC	4 fl oz and 8 oz	1-3 leaf	94	93
Newpath 2L and Broadhead + COC	4 fl oz and 16 oz	1-3 leaf	95	94

- ALL TREATMENTS ABOVE RECEIVED A BASE PRE TREATMENT OF COMMAND 3ME.  
\*ALL FOUR TREATMENTS WERE RATED 14 DAYS AFTER THE 2ND NEWPATH APPLICATIONS TO TREATMENTS 1 AND 2.  
SOURCE: ABOVE DATA AVERAGES SIX 2009 MID-SOUTH DEVELOPMENT TRIALS WITH CONSISTENT PROTOCOL.



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**LETHAL ON BROADLEAF WEEDS AND GRASSES IN RICE.**

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## Cut right to the root of the problem with Broadhead™ herbicide.

Broadhead™ herbicide gives rice growers the most out of postemergence applications by rapidly controlling tough weeds. Its multi-action formula controls weeds that neither Newpath® herbicide nor quinclorac alone control. And it's the perfect fit in conventional and Clearfield® rice programs. Broadhead targets troublesome weeds including barnyardgrass, broadleaf signalgrass, hemp sesbania, joint vetch and morningglories. Improve yields and grain quality with Broadhead.

### Key Advantages:

- Rapid, multi-action control of annual grass and broadleaf weeds in rice
- Safe to young rice plants
- Excellent fit for both conventional and Clearfield rice programs
- Controls key, yield-robbing rice weed species including barnyardgrass, broadleaf signalgrass, hemp sesbania (coffeebean), morningglories, joint vetches, smartweeds and others
- Controls black-seeded weeds escaping Newpath herbicide in Clearfield rice programs
- Non-ALS modes of action for herbicide resistance management

### Grasses Controlled:

- Barnyardgrass
- Broadleaf signalgrass
- Crabgrass
- Junglerice

### Broadleaf Weeds Controlled:

- Hemp sesbania
- Morningglory
- Spreading dayflower
- Eclipta
- Groundcherry
- Joint vetch species
- Pigweeds
- Smartweed
- Water hyssop
- Copperleaf
- Common purslane
- Common cocklebur

### Application Timing:

- Dry-seeded rice
  - Postemergence (2-leaf rice or greater)
- Water-seeded rice
  - Postemergence (2-leaf rice or greater)
- Apply by ground (minimum of 10 GPA) or aircraft (minimum of 5 GPA)
- Control is optimized when applied to actively growing weeds up to 4" in height

### Application Information:

- Conventional rice: Broadhead alone or tank mixed as an early post treatment, following a full rate of Command® 3ME herbicide applied pre or at plant, provides growers with an effective, economical early-season weed control program for conventional rice.
- Clearfield rice: Broadhead herbicide tank mixed with Newpath herbicide following a full rate, pre application of Command 3ME, improves results in a Clearfield program by controlling weeds such as hemp sesbania, that may escape Newpath used alone.
- Apply Broadhead postemergence to small, actively growing weeds less than 2 inches tall at rates between 4.0 and 12.0 oz/A. For larger, actively growing weeds 3 to 4 inches tall, apply Broadhead at rates between 8.0 and 12.0 oz/A.
- For optimum weed control, add NIS 0.25% v/v (1 qt per 100 gal spray solution) or COC at 0.5 to 1.0% v/v (2-4 qts per 100 gal spray solution).
- Broadhead can be tank mixed with other herbicides, fungicides and insecticides. When tank mixing with other herbicides, use the adjuvant recommended by the companion product for optimal weed control. Follow labeled tank-mixing instructions for all products.
- Ground apply Broadhead in minimum of 10 gal/A finished spray. Make applications by aircraft in minimum of 5 gal/A finished spray.
- Read and follow labeled Spray Drift Management guidelines. Also, observe and comply with quinclorac herbicide rules and regulations specific to your state.

### Restrictions:

- 60 day PHI
- Do not apply more than 12.1 oz/A per season
- Do not apply more than 0.5 lb ai/A quinclorac product per season
- Do not apply more than 0.138 lb ai/A carfentrazone-ethyl product per season
- Do not apply to heading rice



### Studies confirm Broadhead™ herbicide is lethal on broadleaves.

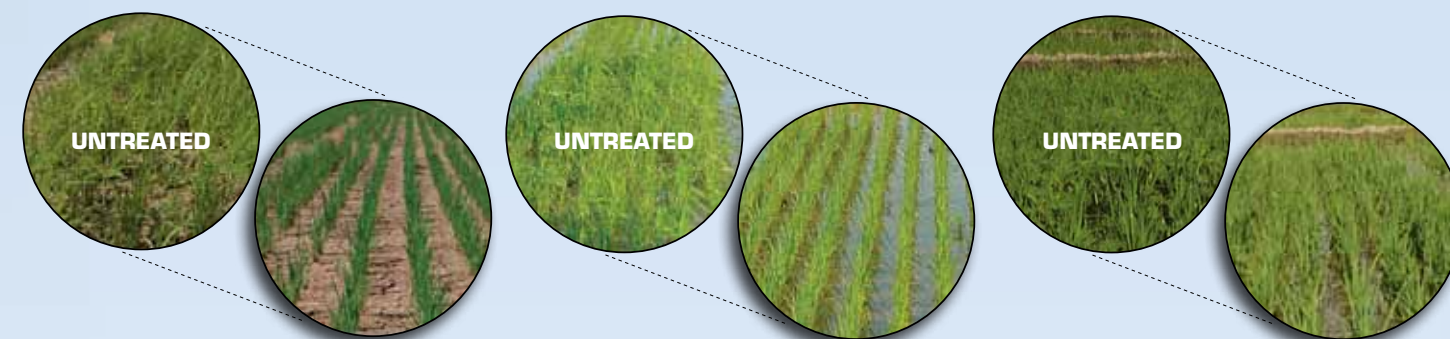
Treatment	University of Arkansas – Rohwer, AR 2009 (Data courtesy Dr. Ken Smith)		University of Arkansas – Lonoke, AR 2009 (Data courtesy Dr. Bob Scott)	
	Hemp Sesbania Control (%) 20 DAT	Morningglory Control (%) 20 DAT	Northern Joint Vetch Control (%) 53 DAT	Smartweed Control (%) 53 DAT
Broadhead™ 8 oz/A + COC 1% v/v	87	91	94	95
Broadhead 10.2 oz/A + COC 1% v/v	98	100	96	91
Facet® 75 DF 10.6 oz/A + COC 1% v/v	78	68	95	79

– ALL OF THE ABOVE APPLICATIONS WERE MADE POSTEMERGENCE TO 2-5 LEAF STAGE RICE. A PREEMERGENCE COMMAND® 3ME HERBICIDE APPLICATION WAS MADE AHEAD OF THE ABOVE TREATMENTS.

Treatment	MSU – Stoneville, MS 2009 (Data courtesy Dr. Jason Bond)		LSU – Crowley, LA 2009 (Data courtesy Dr. Eric Webster)	
	Hemp Sesbania Control (%) 12 DAT	Morningglory Control (%) 12 DAT	Indian Joint Vetch Control (%) 35 DAT	Texasweed Control (%) 35 DAT
Broadhead™ 8 oz/A + COC 1% v/v	96	97	70	90
Broadhead 10.2 oz/A + COC 1% v/v	98	98	65	90
Facet® 75 DF 10.6 oz/A + COC 1% v/v	79	95	80	80

– ALL OF THE ABOVE APPLICATIONS WERE MADE POSTEMERGENCE TO 2-5 LEAF STAGE RICE. A PREEMERGENCE COMMAND 3ME HERBICIDE APPLICATION WAS MADE AHEAD OF THE ABOVE TREATMENTS.

### Lethal Weed Control Results



▶ TREATED WITH COMMAND 3ME AT 10.7 OZ/A FOLLOWED BY BROADHEAD AT 8 OZ/A + COC 1% v/v

▶ TREATED WITH COMMAND 3ME AT 10.7 OZ/A FOLLOWED BY BROADHEAD AT 8 OZ/A + COC 1% v/v

▶ TREATED WITH COMMAND 3ME AT 10.7 OZ/A FOLLOWED BY BROADHEAD AT 8 OZ/A + NIS 0.25% v/v