



BROADHEAD.
HERBICIDE

FMC

Broadhead
Herbicide

Broadhead Herbicide



- New pre-emergent soil applied / post-emergent pre-flood rice herbicide for control of tough grass and broadleaf weeds of rice.
- Registered U.S. EPA September 23, 2009.
- Crop segment: MidSouth rice.
- Unique combination of 2 long-trusted and valuable weed control tools.
 - carfentrazone (Aim)
 - quinclorac (Facet, Quinstar)
- carfentrazone/quinclorac premix
 - F7275
 - 1:16.7 ratio
 - 70 DF formulation



Broadhead Herbicide



Application Timing:

- Dry-seeded rice
 - Pre-emergent
 - Delayed pre-emergence (prior to crop emergence)
 - Post-emergence (2-leaf rice or greater)
- Water-seeded rice
 - Post-emergence (2-leaf rice or greater)
- Ground (minimum of 10 GPA) or air (minimum of 5 GPA)



Broadhead Herbicide



Pre-emergent Soil Application:

- Apply before, during or after planting but prior to rice emergence in dry-seeded production
- Do not apply pre-emergent in water-seeded system
- Moist soil is required for activation
- Weed control reduced under dry soil conditions
- Rates based on soil texture



Broadhead Herbicide

Pre-emergence Use Rates



Pre-emergence application rates per soil type in dry-seeded rice culture

Soil Texture	BROADHEAD (lb ai/a)	BROADHEAD (oz. product per acre)
Sand or loamy sand	DO NOT USE	
Sandy loam	0.175 – 0.35	4.0 to 8.0
Loam, silt loam, silt, or sand clay or sandy clay loam	0.35 – 0.47	8.0 to 10.7
Silty clay loam, clay loam, clay loam or clay	0.47 – 0.53	10.7 to 12.1
Do not use pre-emergence in water-seeded rice systems		



Broadhead Herbicide



Post-emergent Pre-flood Application:

- Use rates range of 4.0 – 12.1 oz/a
- Rate based on weed size
 - Target weeds less than 2 inches tall: 4.0 – 12.1 oz/a
 - Target weeds 3-4 inches tall: 8.0-12.1 oz/a
- Apply to rice at 2 leaf stage or larger but prior to flooding
- Adjuvant requirement
 - NIS 0.25% v/v (1 qt per 100 gallon spray solution)
 - COC at 0.5 to 1.0 % v/v (2-4 qts per 100 gallon spray solution)



Broadhead Weed Control



- **BROADLEAVES**

- Cocklebur, common
- Purslane, common
- Cutleaf ground-cherry
- Eclipta
- Sesbania, hemp
- Copperleaf, Hophornbeam
- Jointvetch species
- Morningglory species
- Smartweed, Pennsylvania
- Pigweed species
- Redweed
- Spreading dayflower
- Water hyssopp

- **GRASSES**

- Barnyardgrass
- Broadleaf signalgrass
- Junglerice
- Large crabgrass





Broadhead Herbicide Advantages

- Rapid, dual-action control of annual grass and broadleaf weeds in rice.
- Safe to young rice plants.
- Excellent fit in for both conventional and Clearfield® Rice production systems.
- Control of key, yield-robbing rice weed species including barnyardgrass, broadleaf signalgrass, hemp sesbania (coffeebean), morningglories, jointvetches, smartweeds and others.
- Controls black seeded weeds escaping NewPath® Herbicide; hemp sesbania, jointvetches and others; in Clearfield® Rice programs.
- For herbicide resistance product rotation: 2 non-ALS modes of action.



BROADHEAD.
HERBICIDE

FMC



Broadhead Herbicide



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 product per season**
- **Do not apply to heading rice**





BROADHEAD.
HERBICIDE

FMC

Broadhead

Herbicide



***Command 3 ME @ 10.7 oz/a
PRE
followed by
Broadhead 70 DF @ 8.0 oz/a
Early-Post***