

2012



Clearfield rice producers are expected to protect and prolong the usefulness of this technology by following the specific requirements of the current year **Clearfield** Rice Stewardship Grower Agreement, as well as these guidelines to help prevent weed resistance. Always read and follow label directions.

In-Season Clearfield Rice Production

- Purchase new seed (registered or certified) every year from an authorized **Clearfield** seed retailer. This means that saving seed to plant next year's crop is not allowed (NO "brown-bagging" or "bin-running").
- Start clean — utilize a burndown herbicide at planting.
- Plant **Clearfield** rice according to seed company recommendations for best cropping practices.
- Apply a residual herbicide, such as **Prowl® H₂O** herbicide, delayed pre-emergence, to increase grass control.
- Grower may obtain a license to apply an imidazolinone herbicide registered for use on **Clearfield** rice, such as **Newpath®**, **Clearpath®** and **Beyond®**, by purchasing such products.
- After obtaining the applicable license by purchasing the herbicide, apply two applications of **Newpath** herbicide as labeled or one application of **Newpath** followed by one application of **Clearpath** herbicide or vice versa. **Clearpath** may be substituted for only one of the **Newpath** applications but not both. The second application provides residual for extended weed control. **Beyond** herbicide may be applied as the second application after the first application of **Newpath** or **Clearpath**.
 - Water management:
 - Flush within 2 days of first application.
 - Initiate permanent flood within 2 days of second application or as soon as the growth stage of the rice permits.
 - Maintain good soil moisture until permanent flood.
- Maintain weed-free levees and red-rice-free ditches and turnrows.
- Treat with **Beyond** to control escaped red rice at a proper growth stage according to **Beyond** label.
- Rogue for red rice escapes.
- DO NOT ratoon rice crop if red rice is present at harvest, regardless of plans to harvest or utilize as habitat.
- Roll and flush **Clearfield** rice fields after harvest to promote germination of weeds in the fall.
- After frost in the fall, destroy all remaining rice plants.



2012 Clearfield® Rice Stewardship Guidelines

Crop Rotation Following Planting Clearfield Rice

- DO NOT plant **Clearfield** rice in consecutive years in the same field.
- Rotate to another crop such as Roundup Ready® soybeans or corn and use alternate herbicide mode of action for red rice control.
- In rotational crop use a residual herbicide for red rice and grass control, such as **Outlook**® herbicide or Dual Magnum® and Dual II Magnum®. DO NOT use an ALS herbicide as the primary residual herbicide.
- If late germinating red rice is present in a Roundup Ready crop prior to canopy closure, an application of Roundup® is recommended. A non-ALS herbicide should also be used to control red rice and other grasses in soybeans just prior to canopy closure.
- DO NOT grow crawfish following growing **Clearfield** rice (plant non-**Clearfield** rice for use in crawfish fields).
- DO NOT fallow fields following **Clearfield** rice without repeated field tillage or glyphosate treatments to control volunteer red rice.
- DO NOT allow any rice to go to seed in a non-rice year. This includes any fallow or crawfish production fields.
- When practical, cultivate all rotational crops regardless of herbicide program.

Fields with Volunteer Rice with ALS Herbicide Tolerance

- DO NOT plant **Clearfield** rice for at least two years.
- DO NOT allow any **Clearfield** rice to go to seed.
- Plant an alternate crop such as Roundup Ready soybeans or corn for two or more years.
- Use a non-ALS herbicide, such as glyphosate, **Outlook**, Dual Magnum or Dual II Magnum to control red rice or other ALS-resistant weeds.
- Use cultivation to control red rice.
- Rogue all suspect outcrossed plants to prevent seed production.



Clearfield®
Production System for Rice



Clearpath®
Herbicide for **Clearfield**® Rice



Newpath®
Herbicide for **Clearfield**® Rice



Beyond®
Herbicide for **Clearfield**® Rice

Always read and follow label directions.

Clearfield, Clearpath, Newpath, Beyond, Prowl and Outlook are registered trademarks of BASF.
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Clearfield rice technology is protected under one or more of United States patents: 6,943,280, 7,019,196, 7,345,221, 7,495,153 and 7,642,434; and under one or of more of U.S. Plant Variety Protection Act (PVPA) certificates: 200200198, 200500349, 200800166, 200800366, 201000006, 201000007, 201000279, 201000280, and 201100057.

For more information on BASF Crop Protection products, visit www.agproducts.basf.us.