

Highcard™ Herbicide Best Management Practices



Highcard™



Better Practices, Better Results

The Max-Ace® Rice Cropping Solution with Highcard herbicide is designed for the control of weedy rice and red rice infestations. Two applications of Highcard herbicide are required (31 fl oz. max per year). It is essential to start with a clean, weed-free field. An example would be tillage or an effective burndown application followed by a standard herbicide program highlighted below.

Application 1

Pre-Emergence

Command® 3ME + Sharpen®
(add glyphosate if weeds are present)

or

Delayed Pre-Emergence

Prowl® H2O or Command 3ME + Zurax™ L or Facet® L
(add adjuvant as recommended for product used)

Application 2

Early Post (2-3 leaf rice)

Highcard at 13-15.5 fl oz + at least 1% COC.

If cool, wet, and/or cloudy conditions are present 5-6 days before applicaiton, use the 13 fl oz rate.

A residual grass herbicide, or a broadleaf tank-mix partner can be added at this timing according to the reference chart on the back.

Application 3

Preflood

Highcard 15.5 fl oz plus at least 1% COC.

If 13 fl oz was used in the first application, up to 18 fl oz can be used in the second application. If grass pressure is severe or drought conditions are present, a separate grass herbicide application is recommended before applying Highcard herbicide for weedy rice control.

or

Postflood

The second Highcard application can be applied Postflood instead of Preflood if desired. Applications need to be made before the PI rice growth stage.

Broadleaf Tank-Mix Partners

Highcard herbicide has no effects on broadleaf weeds, and therefore, broadleaf weed control will need to be addressed separately. During the first application of Highcard, a broadleaf herbicide can be used as a tank-mix partner. 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. For best practices, do not use a tank-mix partner during a second Highcard application.

Recommended

- Basagran® (sodium bentazon)
- Zurax L or Facet L (quinclorac)
- Gambit® (halosulfuron and prosulfuron)
- Permit Plus® (halosulfuron-methyl and thifensulfuron-methyl)
- Prowl EC or H2O (pendimethalin)

Not Recommended

- Regiment® + Permit Plus
- Zurax L + Permit Plus
- Zurax L + Gambit
- Propanil
- Bolero® 8 EC
- Grandstand® R

For all other herbicides not listed, check with your ADAMA rep or crop consultant.

Adjuvants

A crop oil concentrate is required with Highcard. Other surfactants and/or adjuvants can be used but may increase risk of crop response.

Highcard Symptomology

As an ACCase inhibitor, Highcard has specific characteristics that growers should be aware of when using the Max-Ace system:

- Results on target grasses are not typically observable until 7-14 days after application
- Target grass tissue will turn yellow or reddish purple and become necrotic
- New leaves will be easily pulled from the main stem

Additionally, it is common to see banding or white streaks in the crop, especially when applications take place during cloudy, cool or wet conditions. This is normal and short-lived, cosmetic changes do not inhibit the health of the crop.



Control Escapes

Do not let weedy/red rice escapes flower or produce seed. This will lead to ACCase outcrosses and resistance in target grasses. Best practices to prevent this include:

- Rouge fields before heading to prevent outcrosses
- Rotate out of rice into soybean or fallow to reduce seed bank
- Manage volunteer rice in crawfish rotations

Max-Ace Rotations

Rotation of Max-Ace rice is required for best practices. Planting Max-Ace rice in back-to-back seasons can result in the herbicide-tolerant trait being transferred to target grasses and, ultimately, the loss of the technology. Refer to the rotation guidelines to the right or follow a rotation plan that works best for your farm.

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